0001515156-24-00017410-Q Arq, Inc. 20241107202411070645180645180645180 0 0001515156-24-000174 10-Q 77 20240930 20241107 20241107 Arq, Inc. 0001515156 2890 275472457 1231 10-Q 34 001-37822 241433029 8051 E. MAPLEWOOD AVE., STE 210 GREENWOOD VILLAGE CO 80111 720-598-3500 8051 E. MAPLEWOOD AVE., STE 210 GREENWOOD VILLAGE CO 80111 Advanced Emissions Solutions, Inc. 20110311 10-Q 1 ades-20240930.htm 10-Q ades-20240930000151515612/31false2024Q3http://fasb.org/us-gaap/2024#OtherAssetsNoncurrenthttp://fasb.org/us-gaap/2024#OtherAssetsNoncurrenthttp://fasb.org/us-gaap/2024#OtherLiabilitiesCurrenthttp://fasb.org/us-gaap/2024#OtherLiabilitiesCurrenthttp://fasb.org/us-gaap/2024#OtherLiabilitiesNoncurrenthttp://fasb.org/us-gaap/2024#OtherLiabilitiesNoncurrenthttp://fasb.org/us-gaap/2024#OtherLiabilitiesCurrenthttp://fasb.org/us-gaap/2024#OtherLiabilitiesCurrenthttp://fasb.org/us-gaap/2024#OtherLiabilitiesNoncurrenthttp://fasb.org/us-gaap/2024#OtherLiabilitiesNoncurrenthttp://fasb.org/us-gaap/2024#OtherLiabilitiesNoncurrentxbrli:sharesiso4217:USDiso4217:USDxbrli:sharesxbrli:pureades:debtInstrumentiso4217:CADxbrli:shares000151515620240-01-012024-09-30000151515620240-11-0500001515156200240-09-30000151515620230-12-31000151515620240-07-012023-09-30000151515620230-07-012023-09-30000151515620230-01-012023-09-30000151515620230us-gaap:CommonStockMember2023-12-310001515156us-gaap:TreasuryStockCommonMember2023-12-310001515156us-gaap:AdditionalPaidInCapitalMember2023-12-310001515156us-gaap:RetainedEarningsMember2023-12-310001515156us-gaap:CommonStockMember2024-01-012024-03-310001515156us-gaap:AdditionalPaidInCapitalMember2024-01-012024-03-310001515156200240-01-012024-03-310001515156us-gaap:RetainedEarningsMember2024-01-012024-03-310001515156us-gaap:CommonStockMember2024-03-310001515156us-gaap:TreasuryStockCommonMember2024-03-310001515156us-gaap:AdditionalPaidInCapitalMember2024-03-310001515156us-gaap:RetainedEarningsMember2024-03-310001515156200240-03-310001515156us-gaap:CommonStockMember2024-04-012024-06-300001515156us-gaap:AdditionalPaidInCapitalMember2024-04-012024-06-300001515156200240-04-012024-06-300001515156us-gaap:RetainedEarningsMember2024-04-012024-06-300001515156us-gaap:CommonStockMember2024-06-300001515156us-gaap:TreasuryStockCommonMember2024-06-300001515156us-gaap:AdditionalPaidInCapitalMember2024-06-300001515156us-gaap:RetainedEarningsMember2024-06-300001515156200240-06-300001515156us-gaap:CommonStockMember2024-07-012024-09-300001515156us-gaap:AdditionalPaidInCapitalMember2024-07-012024-09-300001515156us-gaap:RetainedEarningsMember2024-07-012024-09-300001515156us-gaap:CommonStockMember2024-09-300001515156us-gaap:TreasuryStockCommonMember2024-09-300001515156us-gaap:AdditionalPaidInCapitalMember2024-09-300001515156us-gaap:RetainedEarningsMember2024-09-300001515156us-gaap:CommonStockMember2022-12-310001515156us-gaap:TreasuryStockCommonMember2022-12-310001515156us-gaap:AdditionalPaidInCapitalMember2022-12-310001515156us-gaap:RetainedEarningsMember2022-12-310001515156200222-12-310001515156us-gaap:CommonStockMember2023-01-012023-03-310001515156us-gaap:AdditionalPaidInCapitalMember2023-01-012023-03-310001515156200223-01-012023-03-310001515156us-gaap:RetainedEarningsMember2023-01-012023-03-310001515156us-gaap:CommonStockMember2023-03-310001515156us-gaap:TreasuryStockCommonMember2023-03-310001515156us-gaap:AdditionalPaidInCapitalMember2023-03-310001515156us-gaap:RetainedEarningsMember2023-03-310001515156200223-03-310001515156us-gaap:CommonStockMember2023-04-012023-06-300001515156us-gaap:AdditionalPaidInCapitalMember2023-04-012023-06-300001515156200223-04-012023-06-300001515156us-gaap:RetainedEarningsMember2023-04-012023-06-300001515156us-gaap:CommonStockMember2023-06-300001515156us-gaap:TreasuryStockCommonMember2023-06-300001515156us-gaap:AdditionalPaidInCapitalMember2023-06-300001515156us-gaap:RetainedEarningsMember2023-06-300001515156200223-06-300001515156us-gaap:CommonStockMember2023-07-012023-09-300001515156us-gaap:AdditionalPaidInCapitalMember2023-07-012023-09-300001515156us-gaap:RetainedEarningsMember2023-07-012023-09-300001515156us-gaap:CommonStockMember2023-09-300001515156us-gaap:TreasuryStockCommonMember2023-09-300001515156us-gaap:AdditionalPaidInCapitalMember2023-09-300001515156us-gaap:RetainedEarningsMember2023-09-300001515156200223-09-300001515156ades:PublicOfferingsMember2024-01-012024-09-300001515156ades:PublicOfferingsMember2023-01-012023-09-300001515156us-gaap:RelatedPartyMember2024-01-012024-09-300001515156us-gaap:RelatedPartyMember2023-01-012023-09-300001515156ades:ArqLimitedMember2023-02-280001515156ades:ArqLimitedMember2023-02-012023-02-010001515156ades:ArqLimitedMemberus-gaap:CommonStockMember2023-02-012023-02-010001515156ades:ArqLimitedMemberus-gaap:PreferredStockMember2023-02-012023-02-010001515156200223-02-010001515156ades:ArqLimitedMemberus-gaap:CommonStockMember2023-02-010001515156ades:ArqLimitedMemberus-gaap:PreferredStockMember2023-02-010001515156ades:ArqLimitedMember2023-02-010001515156ades:ArqLimitedMemberus-gaap:DevelopedTechnologyRightsMember2023-02-012023-02-010001515156ades:ArqLimitedMemberus-gaap:SeriesAPreferredStockMember2023-02-012023-02-010001515156us-gaap:SeriesAPreferredStockMember2023-03-312023-03-310001515156200223-04-212023-04-210001515156ades:ArqLimitedMemberus-gaap:SeriesAPreferredStockMember2023-02-010001515156us-gaap:CommonStockMember2023-02-012023-02-010001515156ades:ArqLimitedMember2023-07-012023-09-300001515156country:CAus-gaap:GeographicConcentrationRiskMemberus-gaap:RevenueFromContractWithCustomerMember2024-07-012024-09-300001515156country:CAus-gaap:GeographicConcentrationRiskMemberus-gaap:RevenueFromContractWithCustomerMember2024-01-012024-09-300001515156country:CAus-gaap:GeographicConcentrationRiskMemberus-gaap:RevenueFromContractWithCustomerMember2023-07-012023-09-300001515156country:CAus-gaap:GeographicConcentrationRiskMemberus-gaap:RevenueFromContractWithCustomerMember2023-01-012023-09-300001515156us-gaap:TradeAccountsReceivableMember2024-09-300001515156us-gaap:TradeAccountsReceivableMember2023-12-310001515156ades:UnbilledReceivablesMember2024-09-300001515156ades:UnbilledReceivablesMember2023-12-310001515156ades:SeniorTermLoanMember2024-09-300001515156ades:SeniorTermLoanMember2023-12-310001515156ades:CTBLoanDueJanuary2036Member2024-09-300001515156ades:CTBLoanDueJanuary2036Member2023-12-310001515156us-gaap:SecuredDebtMember2023-02-012023-02-010001515156us-gaap:SecuredDebtMember2023-02-010001515156ades:CFGlobalCreditLPMember2023-02-010001515156us-gaap:CommonStockMember2024-03-292024-03-290001515156us-gaap:SecuredDebtMemberus-gaap:SecuredOvernightFinancingRateSofrMember2023-02-012023-02-010001515156us-gaap:SecuredDebtMemberus-gaap:BaseRateMember2023-02-012023-02-010001515156ades:Between1And36MothsMemberus-gaap:SecuredDebtMember2023-02-012023-02-010001515156ades:Between37MonthsAndMaturityDateMemberus-gaap:SecuredDebtMember2023-02-012023-02-010001515156us-gaap:SecuredDebtMemberus-gaap:SecuredOvernightFinancingRateSofrMemberades:AdjustedTermSOFRForAnInterestPeriodOfOneMonthInEffectOnTheThirdUSGovernmentSecuritiesBusinessDayMember2023-02-012023-02-010001515156ades:AdjustedTermSOFRForAnInterestPeriodOfOneMonthInEffectOnTheThirdUSGovernmentSecuritiesBusinessDayMemberus-gaap:SecuredDebtMember2023-02-012023-02-010001515156ades:BeginningMarch312023Memberus-gaap:SecuredDebtMember2023-02-010001515156ades:FiscalYear2024Memberus-gaap:SecuredDebtMember2023-02-010001515156ades:FiscalYear2025AndThereafterMemberus-gaap:SecuredDebtMember2023-02-010001515156us-gaap:SecuredDebtMember2023-02-010001515156us-gaap:SecuredDebtMember2023-02-012023-02-010001515156ades:ArqLimitedMemberus-gaap:SecuredDebtMember2023-02-010001515156ades:PromissoryNotesMember2021-01-270001515156ades:ArqLimitedMemberades:PromissoryNoteAMemberus-gaap:SecuredDebtMember2021-01-270001515156ades:ArqLimitedMemberades:PromissoryNoteBMemberus-gaap:SecuredDebtMember2021-01-270001515156ades:ArqLimitedMemberus-gaap:SecuredDebtMemberades:ThroughJanuary2026Member2021-01-270001515156ades:ArqLimitedMemberus-gaap:SecuredDebtMemberus-gaap:PrimeRateMemberades:AfterJanuary2026Member2021-01-270001515156ades:ArqLimitedMemberus-gaap:SecuredDebtMember2021-01-272021-01-270001515156ades:ArqLimitedMemberus-gaap:SecuredDebtMemberades:PenaltyYear2024Member2024-09-300001515156ades:ArqLimitedMemberus-gaap:SecuredDebtMemberades:PenaltyYear2025Member2024-09-300001515156ades:ArqLimitedMemberus-gaap:SecuredDebtMemberades:PenaltyYear2026Member2024-09-300001515156ades:ArqLimitedMemberus-gaap:SecuredDebtMember2023-06-020001515156ades:ArqLimitedMemberus-gaap:SecuredDebtMember2024-01-012024-09-300001515156ades:ConsumablesMember2024-07-012024-09-300001515156ades:ConsumablesMember2024-01-012024-09-300001515156us-gaap:GeneralAndAdministrativeExpenseMember2024-07-012024-09-300001515156us-gaap:GeneralAndAdministrativeExpenseMember2024-01-012024-09-300001515156ades:ConsumablesMember2023-07-012023-09-300001515156ades:ConsumablesMember2023-01-012023-09-300001515156us-gaap:SellingGeneralAndAdministrativeExpensesMember2023-07-012023-09-300001515156us-gaap:SellingGeneralAndAdministrativeExpensesMember2023-01-012023-09-300001515156ades:FiveForksMineMember2024-09-300001515156ades:CorbinFacilitiesMember2024-09-300001515156ades:WestVirginiaMine4Member2024-09-300001515156ades:DeliveriesInFirstQuarter2025Membersrt:MinimumMember2024-01-012024-01-310001515156ades:DeliveriesInFirstQuarter2025Membersrt:MaximumMember2024-01-012024-01-310001515156ades:TinuumGroupLLCMember2024-09-300001515156ades:TinuumGroupLLCMember2024-01-012024-03-310001515156ades:TinuumGroupLLCMember2024-01-012024-09-300001515156ades:HighviewEnterprisesLimitedMember2023-12-310001515156ades:HighviewEnterprisesLimitedMember2024-09-300001515162023-01-012023-12-310001515156ades:CorbinAROMember2024-01-012024-03-310001515156ades:Mine4Member2024-01-012024-03-310001515156us-gaap:DisposalGroupDisposedOfBySaleNotDiscontinuedOperationsMemberades:MarshallMineMember2024-01-012024-03-310001515156ades:TinuumGroupLLCMember2023-12-310001515156ades:TinuumGroupLLCMember2024-09-300001515156ades:TinuumGroupLLCMember2024-07-012024-09-300001515156ades:TinuumGroupLLCMember2023-07-012023-09-300001515156ades:TinuumGroupLLCMember2023-01-012023-09-300001515156us-gaap:CostOfSalesMemberades:TinuumGroupLLCMember2024-07-012024-09-300001515156us-gaap:CostOfSalesMemberades:TinuumGroupLLCMember2024-01-012024-09-300001515156us-gaap:CostOfSalesMemberades:TinuumGroupLLCMember2023-07-012023-09-300001515156us-gaap:CostOfSalesMemberades:TinuumGroupLLCMember2023-01-012023-09-300001515156us-gaap:CommonStockMember2024-04-012024-04-300001515156ades:SecuritiesPurchaseAgreementMember2024-05-012024-05-310001515156ades:SecuritiesPurchaseAgreementMember2024-05-310001515156ades:OriginalAmountMember2024-09-012024-09-300001515156ades:AdditionalOptionMember2024-09-012024-09-300001515162024-09-012024-09-300001515156us-gaap:OverAllotmentOptionMember2024-09-012024-09-300001515156srt:MaximumMember2017-05-050001515156us-gaap:RestrictedStockMember2024-07-012024-09-300001515156us-gaap:RestrictedStockMember2023-07-012023-09-300001515156us-gaap:RestrictedStockMember2024-01-012024-09-300001515156us-gaap:RestrictedStockMember2023-01-012023-09-300001515156us-gaap:PerformanceSharesMember2024-07-012024-09-300001515156us-gaap:PerformanceSharesMember2023-07-012023-09-300001515156us-gaap:PerformanceSharesMember2024-01-012024-09-300001515156us-gaap:PerformanceSharesMember2023-01-012023-09-300001515156us-gaap:EmployeeStockOptionMember2024-07-012024-09-300001515156us-gaap:EmployeeStockOptionMember2023-07-012023-09-300001515156us-gaap:EmployeeStockOptionMember2024-01-012024-09-300001515156us-gaap:EmployeeStockOptionMember2023-01-012023-09-300001515156us-gaap:RestrictedStockMember2024-09-300001515156us-gaap:PerformanceSharesMember2024-09-300001515156us-gaap:EmployeeStockOptionMember2024-09-300001515156us-gaap:RestrictedStockMember2023-12-310001515156us-gaap:PerformanceSharesMember2023-12-310001515156us-gaap:PerformanceSharesMemberades:IssuedUponVestingOfPSUsMember2024-01-012024-09-300001515156us-gaap:PerformanceSharesMemberades:IssuedUponVestingOfPSUsMember2024-07-012024-09-300001515156us-gaap:EmployeeStockOptionMembersrt:MaximumMember2024-01-012024-09-300001515156us-gaap:EmployeeStockOptionMember2023-12-310001515156ades:BeforeOutOfPeriodStateIncomeTaxExpenseMember2024-07-012024-09-300001515156ades:BeforeOutOfPeriodStateIncomeTaxExpenseMember2024-01-012024-09-300001515156ades:MarshallMineMember2023-03-270001515156ades:MarshallMineMember2023-01-012023-09-30United StatesSECURITIES AND EXCHANGE COMMISSIONWashington, D.C. 20549_____Â FORM 10-Q Â _____Â Â â˜’QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934For the quarterly period ended September 30, 2024 orÂ ☐TRANSITION REPORT PURSUANT TO 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934For the transition period from to Commission File Number: 001-37822 _____Â Â ARQ, INC. (Exact name of registrant as specified in its charter)_____Â Â Â DelawareÂ 27-5472457(State or other jurisdiction ofincorporation or organization)(I.R.S. EmployerIdentification No.)8051 E. Maplewood Ave., Ste. 210, Greenwood Village, CO80111 (Address of principal executive offices)(Zip Code)(720) 598-3500 (Registrantâ€™s telephone number, including area code)Not Applicable(Former name, former address and former fiscal year, if changed since last report)_____Â Securities registered pursuant to Section 12(b) of the Act: Title of each classÂ Trading SymbolName of each exchange on which registeredCommon stock, par value $0.001 per shareÂ ARQNasdaq Global MarketIndicate by check mark whether the registrant (1)Â has filed all reports required to be filed by SectionÂ 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2)Â has been subject to such filing requirements for the past 90 days.Â Â Â Â YesÂ Â â˜’Â Â Â NoÂ Â â˜Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (Â§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files).Â Â Â Â Â YesÂ Â â˜’Â Â Â Â Â NoÂ Â â˜Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act. LargeÂ acceleratedÂ filerÂ Â☐Â Â Accelerated filerÂ Â☐Non-accelerated filerÂ Â☒Â Â SmallerÂ reportingÂ companyÂ Â☒Emerging growth companyÂ☐If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.Â Â☐Â Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).YesÂ Â Â☐Â Â Â Â NoÂ Â Â☒Â As of NovemberÂ 5, 2024, there were 42,032,086 outstanding shares of Arq, Inc. common stock, par value $0.001 per share.INDEXÂ PAGEPART I. - FINANCIAL INFORMATIONItem 1.Financial Statements (unaudited):Condensed Consolidated Balance Sheets as of September 30, 2024 and December 31, 20231Condensed Consolidated Statements of Operations for the Three and Nine Months Ended September 30, 2024 and September 30, 20232Condensed Consolidated Statements of Changes in Stockholders' Equity for the Three and Nine Months Ended September 30, 2024 and September 30, 20233Condensed Consolidated Statements of Cash Flows for the Nine Months Ended September 30, 2024 and September 30, 20235Notes to Condensed Consolidated Financial Statements6Item 2.Management's Discussion and Analysis of Financial Condition and Results of Operations22Item 3. Quantitative and Qualitative Disclosures About Market Risk31Item 4. Controls and Procedures32PART II. - OTHER INFORMATIONItem 1. Legal Proceedings33Item 1a. Risk Factors33Item 2.Unregistered Sales of Equity Securities and Use of Proceeds33Item 4. Mine Safety Disclosures33Item 5. Other Information33Item 6.Exhibits34Signatures35Part I. â€“ FINANCIAL INFORMATIONItemÂ 1. Condensed Consolidated Financial StatementsArq, Inc. and SubsidiariesCondensed Consolidated Balance Sheets(Unaudited)As of(in thousands, except share data)September 30, 2024December 31, 2023ASSETSCurrent assets:Cash$48,662Â $45,361Â Receivables, net16,590Â 16,192Â Inventories, net18,487Â 19,693Â Prepaid expenses and other current assets3,530Â 5,215Â Total current assets87,269Â 86,461Â Restricted cash, long-term8,718Â 8,792Â Property, plant and equipment, net of accumulated depreciation of $25,146 and $19,293, respectively139,137Â 94,649Â Other long-term assets, net44,841Â 45,600Â Total Assets$279,965Â $235,502Â LIABILITIES AND STOCKHOLDERSâ€™ EQUITYCurrent liabilities:Accounts payable and accrued expenses$20,191Â $14,603Â Current portion of debt obligations2,324Â 2,653Â Other current liabilities7,671Â 5,792Â Total current liabilities30,186Â 23,048Â Long-term debt obligations, net of current portion17,634Â 18,274Â Other long-term liabilities14,029Â 15,780Â Total Liabilities61,849Â 57,102Â Commitments and contingencies (Note 7)Stockholdersâ€™ equity:Preferred stock: par value of $0.001 per share, 50,000,000 shares authorized, none issued or outstanding â€”Â â€”Â Common stock: par value of $0.001 per share, 100,000,000 shares authorized, 46,652,061 and 37,791,084 shares issued, and 42,033,915 and 33,172,938 shares outstanding at SeptemberÂ 30, 2024 and December 31, 2023, respectively47Â 38Â Treasury stock, at cost: 4,618,146 and 4,618,146 shares as of SeptemberÂ 30, 2024 and December 31, 2023, respectively(47,692)(47,692)Additional paid-in capital197,988Â 154,511Â Retained earnings67,773Â 71,543Â Total Stockholdersâ€™ Equity218,116Â 178,400Â Total Liabilities and Stockholdersâ€™ Equity$279,965Â $235,502Â See Notes to the Condensed Consolidated Financial Statements1Arq, Inc. and SubsidiariesCondensed Consolidated Statements of Operations(Unaudited)Â Three Months Ended September 30,Nine Months Ended September 30,(in thousands, except per share data)2024202320242023Revenue$34,774Â $29,829Â $81,919Â $71,079Â Cost of revenue, exclusive of depreciation and amortization21,339Â 20,707Â 52,279Â 53,218Â Operating

expenses:Selling, general and administrative8,058Â 8,297Â 22,735Â 27,574Â Research and development787Â 639Â 3,341Â 2,145Â Depreciation, amortization, depletion and accretion2,716Â 2,711Â 6,090Â 7,276Â Gain on sale of assets(154)â€”Â (154)(2,695)Total operating expenses11,407Â 11,647Â 32,012Â 34,300Â Operating income (loss)2,028Â (2,525)(2,372)(16,439)Other (expense) income:Earnings from equity method investments127Â 412Â 127Â 1,512Â Interest expense(806)(787)(2,426)(2,155)Other268Â 725Â 931Â 1,510Â Total other (expense) income (411)350Â (1,368)867Â Income (loss) before income taxes1,617Â (2,175)(3,740)(15,572)Income tax (expense) benefitâ€”Â â€”Â (30)33Â Net income (loss)$1,617Â $(2,175)$(3,770)$(15,539)Income (loss) per common share (Note 1):Basic$0.04Â (0.07)(0.11)$(0.56)Diluted$0.04Â (0.07)(0.11)$(0.56)Weighted-average number of common shares outstanding:Basic36,124Â 31,807Â 34,085Â 27,894Â Diluted37,442Â 31,807Â 34,085Â 27,894Â See Notes to the Condensed Consolidated Financial Statements.2Arq, Inc. and SubsidiariesCondensed Consolidated Statements of Changes in Stockholders' Equity(Unaudited)Common StockTreasury Stock(Amounts in thousands, except share data)SharesAmountSharesAmountAdditional Paid-in CapitalRetained EarningsTotalÂ Stockholdersâ€™EquityBalances, January 1, 202437,791,084Â $38Â (4,618,146)$(47,692)$154,511Â $71,543Â $178,400Â Stock-based compensation81,253Â â€”Â â€”Â â€”Â 782Â â€”Â 782Â Repurchase of common shares to satisfy minimum tax withholdings(104,163)â€”Â â€”Â â€”Â (599)â€”Â (599)Exercise of warrant, net324,955Â â€”Â â€”Â â€”Â â€”Â â€”Â Net lossâ€”Â â€”Â â€”Â â€”Â (3,419)(3,419)Balances, March 31, 202438,093,129Â $38Â (4,618,146)$(47,692)$154,694Â $68,124Â $175,164Â Stock-based compensation(43,566)â€”Â â€”Â â€”Â 653Â â€”Â 653Â Issuance of common stock related to private placement transaction, net of offering costs2,142,858Â 2Â â€”Â â€”Â 14,949Â â€”Â 14,951Â Issuance of common stock to related party422,221Â 1Â â€”Â â€”Â 799Â â€”Â 800Â Net lossâ€”Â â€”Â â€”Â â€”Â (1,968)(1,968)Balances, June 30, 202440,614,642Â $41Â (4,618,146)$(47,692)$171,095Â $66,156Â $189,600Â Stock-based compensation580,826Â 1Â â€”Â â€”Â 749Â â€”Â 750Â Issuance of common stock in public offering, net of offering costs5,485,500Â 5Â â€”Â â€”Â 26,654Â â€”Â 26,659Â Repurchase of common shares to satisfy minimum tax withholdings(28,907)â€”Â â€”Â â€”Â (510)â€”Â (510)Net incomeâ€”Â â€”Â â€”Â â€”Â 1,617Â 1,617Â Balances, September 30, 202446,652,061Â $47Â (4,618,146)$(47,692)$197,988Â $67,773Â $218,116Â 3Arq, Inc. and SubsidiariesCondensed Consolidated Statements of Changes in Stockholders' Equity(Unaudited)Common StockTreasury Stock(Amounts in thousands, except share data)SharesAmountSharesAmountAdditional Paid-in CapitalRetained EarningsTotalÂ Stockholdersâ€™EquityBalances, January 1, 202323,788,319Â $24Â (4,618,146)$(47,692)$103,698Â $83,949Â $139,979Â Stock-based compensation483,242Â â€”Â â€”Â â€”Â 563Â â€”Â 563Â Issuance of common stock pursuant to Arq Acquisition, net of offering costs3,814,864Â 4Â â€”Â â€”Â 15,216Â â€”Â 15,220Â Issuance of warrantâ€”Â â€”Â â€”Â â€”Â 826Â â€”Â 826Â Repurchase of common shares to satisfy minimum tax withholdings(74,104)â€”Â â€”Â â€”Â (146)â€”Â (146)Preferred stock dividends declared on redeemable preferred stockâ€”Â â€”Â â€”Â â€”Â (157)(157)Net lossâ€”Â â€”Â â€”Â â€”Â (7,508)(7,508)Balances, March 31, 202331,854,636Â $32Â (4,618,146)$(47,692)$132,590Â $76,284Â $161,214Â Stock-based compensation(16,430)â€”Â â€”Â â€”Â 545Â â€”Â 545Â Issuance of common stock upon conversion of preferred stock5,362,926Â 5Â â€”Â â€”Â 18,921Â â€”Â 18,926Â Repurchase of common shares to satisfy minimum tax withholdings(6,973)â€”Â â€”Â â€”Â (14)â€”Â (14)Net lossâ€”Â â€”Â â€”Â â€”Â (5,856)(5,856)Balances, June 30, 202337,194,159Â $37Â (4,618,146)$(47,692)$152,042Â $70,428Â $174,815Â Stock-based compensation105,244Â â€”Â â€”Â â€”Â 702Â â€”Â 702Â Issuance of common stock to related party527,779Â 1Â â€”Â â€”Â 999Â â€”Â 1,000Â Repurchase of common shares to satisfy minimum tax withholdings(28,129)â€”Â â€”Â â€”Â (48)â€”Â (48)Net lossâ€”Â â€”Â â€”Â â€”Â (2,175)(2,175)Balances, September 30, 202337,799,053Â $38Â (4,618,146)$(47,692)$153,695Â $68,253Â $174,294Â See Notes to the Condensed Consolidated Financial Statements.4Arq, Inc. and SubsidiariesCondensed Consolidated Statements of Cash Flows(Unaudited)Nine Months Ended September 30,(in thousands)20242023Cash flows from operating activitiesNet loss$(3,770)$(15,539)Adjustments to reconcile net loss to net cash provided by (used in) operating activities:Depreciation, amortization, depletion and accretion6,090Â 7,276Â Stock-based compensation expense2,185Â 1,810Â Operating lease expense1,518Â 2,061Â Amortization of debt discount and debt issuance costs450Â 395Â Gain on sale of assets(154)(2,695)Earnings from equity method investments(127)(1,512)Other non-cash items, net(113)â€”Â Changes in operating assets and liabilities:Receivables and related party receivables(399)(359)Prepaid expenses and other assets1,812Â 3,595Â Inventories, net2,486Â (811)Other long-term assets, net(1,366)(3,646)Accounts payable and accrued expenses(2,611)(12,033)Other current liabilities1,467Â 148Â Operating lease liabilities(1,255)(140)Other long-term liabilities(945)305Â Net cash provided by (used in) operating activities5,268Â (21,145)Cash flows from investing activitiesAcquisition of property, plant, equipment, and intangible assets, net(42,210)(17,008)Acquisition of mine development costs(167)(1,856)Proceeds from sale of property and equipment150Â â€”Â Distributions from equity method investees in excess of cumulative earnings127Â 1,512Â Cash and restricted cash acquired in business acquisitionâ€”Â 2,225Â Payment for disposal of Marshall Mine, LLCâ€”Â (2,177)Net cash used in investing activities(42,100)(17,304)Cash flows from financing activitiesNet proceeds from common stock issued in public offering26,659Â â€”Â Net proceeds from common stock issued in private placement transactions14,951Â 15,220Â Repurchase of common stock to satisfy tax withholdings(1,109)(208)Principal payments on finance lease obligations(838)(855)Net proceeds from common stock issued to related party800Â 1,000Â Principal payments on notes payable(404)(341)Net proceeds from CFG Loan, related party, net of discount and issuance costsâ€”Â 8,522Â Net cash provided by financing activities40,059Â 23,338Â Increase (decrease) in Cash and Restricted Cash3,227Â (15,111)Cash and Restricted Cash, beginning of period54,153Â 76,432Â Cash and Restricted Cash, end of period$57,380Â $61,321Â Supplemental disclosure of non-cash investing and financing activities:Change in accrued purchases for property and equipment$8,199Â $255Â Purchase of property and equipment through note payable$258Â $â€”Â Equity issued as consideration for acquisition of business$â€”Â $31,206Â Paid-in-kind dividend on Series A Preferred Stock$â€”Â $157Â See Notes to the Condensed Consolidated Financial Statements.5Arq, Inc. and SubsidiariesNotes to Condensed Consolidated Financial Statements(Unaudited)Note 1 - Organization and Basis of PresentationArq, Inc. ("Arq" or the "Company"), is an environmental technology company that is principally engaged in the sale of consumable air, water, and soil treatment solutions including activated carbon ("AC") and chemical technologies. The Company's proprietary AC products enable customers to reduce air, water, and soil contaminants, including mercury, per and polyfluoroalkyl substances ("PFAS") and other pollutants, to help our customers meet the challenges of existing and pending air quality and water regulations. The Company manufactures and sells AC and other chemicals used to capture and remove contaminants for coal-fired power generation, industrial, municipal water and air, water, and soil treatment and remediation markets (collectively, the advanced purification technologies or "APT" market).The Companyâ€™s primary products are comprised of AC, which is produced from a variety of carbonaceous raw materials. The Companyâ€™s AC products include both powdered activated carbon ("PAC") and granular activated carbon ("GAC"). Additionally, the Company owns the Five Forks Mine, a lignite mine that currently supplies the primary raw material for the manufacturing of the Companyâ€™s products.The Company, formerly known as Advanced Emissions Solutions, Inc., is a Delaware corporation with its principal office located in Greenwood Village, Colorado, manufacturing, mining and logistics operations located in Louisiana and coal waste recovery and manufacturing operations located in Kentucky. In February 2023, the Company acquired 100% of the equity of the subsidiaries of Arq Limited (the "Arq Acquisition," and hereafter the Arq Limited subsidiaries are referred to as "Legacy Arq") to secure access to a feedstock, a manufacturing facility and certain patented processes as a means to manufacture additional GAC products for sale into the APT and other markets. With the Arq Acquisition, the Company now controls bituminous coal waste reserves and owns a manufacturing facility, both located in Corbin, Kentucky (the "Corbin Facility"), and a process to recover and purify the bituminous coal waste for sale or further conversion to GAC products. Using the Corbin Facility's manufacturing process, the Company is converting bituminous coal waste into a purified, microfine carbon powder known as Arq powderTM ("Arq Powder"). See further discussion of the Arq Acquisition in Note 2.Basis of PresentationThe accompanying Condensed Consolidated Financial Statements of Arq are unaudited and have been prepared in conformity with accounting principles generally accepted in the United States ("U.S. GAAP") and with Article 10 of Regulation S-X of the Securities and Exchange Commission. In compliance with those instructions, certain information and footnote disclosures normally included in annual consolidated financial statements prepared in accordance with U.S. GAAP have been condensed or omitted. The unaudited Condensed Consolidated Financial Statements of Arq in this quarterly report ("Quarterly Report") are presented on a consolidated basis and include Arq and its wholly-owned subsidiaries (collectively, the "Company"). Also included within the unaudited Condensed Consolidated Financial Statements are the Company's unconsolidated equity investments, Tinuum Group and Tinuum Services, which are accounted for under the equity method of accounting, and Highview Enterprises Limited (the "Highview Investment"), which is accounted for in accordance with U.S. GAAP applicable to equity investments that do not qualify for the equity method of accounting. Results of operations and cash flows for the interim periods are not necessarily indicative of the results that may be expected for the entire year. All significant intercompany transactions and accounts were eliminated in consolidation for all periods presented in this Quarterly Report.In the opinion of management, these Condensed Consolidated Financial Statements include all normal and recurring adjustments considered necessary for a fair presentation of the results of operations, financial position, stockholders' equity and cash flows for the interim periods presented. These Condensed Consolidated Financial Statements should be read in conjunction with the Companyâ€™s Annual Report on Form 10-K for the year ended DecemberÂ 31, 2023 (the "2023 Form 10-K"). Significant accounting policies disclosed therein have not changed.Earnings (Loss) Per ShareBasic earnings (loss) per share is computed using the weighted-average number of shares of the Company's common stock outstanding during the reporting period. Diluted earnings (loss) per share is computed in a manner consistent with that of basic earnings per share, while considering other potentially dilutive securities. For the three and nine months ended SeptemberÂ 30, 2024 and SeptemberÂ 30, 2023, potentially dilutive securities consist of unvested restricted stock awards ("RSAs"), stock options and contingent performance stock units ("PSUs"). 6Arq, Inc. and SubsidiariesNotes to Condensed Consolidated Financial Statements(Unaudited)The following table sets forth the calculations of basic and diluted loss per share: Â Three Months Ended September 30,Nine Months Ended September 30,(in thousands, except per share amounts)20242023202420232023Net income (loss)$1,617Â $(2,175)$(3,770)$(15,539)Less: Dividends declared on redeemable preferred stockâ€”Â â€”Â â€”Â 157Â Income (loss) attributable to common stockholders$1,617Â $(2,175)$(3,770)$(15,696)Basic weighted-average common shares outstanding36,124Â 31,807Â 34,085Â 27,894Â Add: dilutive effect of equity instruments1,318Â â€”Â â€”Â â€”Â Diluted weighted-average shares outstanding37,442Â 31,807Â 34,085Â 27,894Â Earnings (loss) per share - basic$0.04Â (0.07)(0.11)$(0.56)Earnings (loss) per share - diluted$0.04Â (0.07)(0.11)$(0.56)For the three and nine months ended SeptemberÂ 30, 2024 and 2023, potentially dilutive securities of 0.3 million and 2.3 million and 2.5 million and 1.4 million shares of common stock, respectively, are outstanding but are not included in the calculation of diluted net loss per share because the effect would be anti-dilutive. Use of EstimatesThe preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the amounts reported in the financial statements and accompanying notes. There have been no changes in the Company's critical accounting estimates from those that were disclosed in the 2023 Form 10-K. Actual results could differ from these estimates.Fair value measurementsThe carrying amounts of our cash, restricted cash, accounts receivable, accounts payable and other current liabilities approximate fair value as recorded due to the short-term nature of these instruments. SeasonalityThe timing of the sale of consumable products is dependent upon several factors. Power generation is weather dependent, with electricity and steam production varying in response to heating and cooling demands. As a result, the Company's revenue is generally higher in our first and third fiscal quarters during the warmer and colder months of the year, respectively. Abnormally high and low temperatures during the summer and winter months, respectively, may significantly increase coal consumption for electricity generation and cause increased impurities within various municipalities' water sources, and thus increase the demand for the Company's products. Additionally, power generating units routinely schedule maintenance outages in the spring and/or fall depending on the operation of their boilers. During the period in which an outage may occur, which may range from one week to over a month, the Company's product sales may decrease.Also, the Company's revenue and sales volumes are highly dependent upon the level of coal consumption at coal-fired power plants, which in turn is significantly affected by the prices of competing power generation sources, such as natural gas and renewables. During periods of low natural gas prices, natural gas provides a competitive alternative to coal-fired power generation and therefore, coal consumption for power generation may be reduced, which in turn reduces the demand for the Company's products. In contrast, during periods of higher prices for competing power generation sources, coal consumption generally increases, which generally increases demand for the Company's products.In the sale of water purification products, demand is driven largely from municipal water treatment facilities. Depending on weather conditions and other environmental factors, the summer months historically have the highest demand for the Company's products used in water treatment. One of the major uses for PAC is for the treatment of taste and odor episodes caused by increased degradation of organic contaminants and natural materials in water that occurs during the summer months. Additionally, the rainy season generally results in more demand from water municipalities due to rain run-offs and contaminant dilution.ReclassificationsCertain balances have been reclassified from the prior year to conform to the current year presentation. Such reclassifications had no effect on the Companyâ€™s results of operations or financial position in any of the periods presented.7Arq, Inc. and SubsidiariesNotes to Condensed Consolidated Financial Statements(Unaudited)New Accounting StandardsIn November 2023, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update 2023-07, Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures ("ASU 2023-07"). ASU 2023-07 is intended to improve reportable segment disclosures and to enhance disclosures of reportable segment expenses. This ASU is effective for annual reporting periods beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024. Early adoption is permitted. ASU 2023-07 is required to be applied retrospectively to all prior periods presented in the financial statements. Because the amendments do not change the methodology for the identification of operating segments, the aggregation of those operating segments or the application of the quantitative thresholds to determine reportable segments, we do not expect the guidance to have a material effect on our financial position or results of operations. In December 2023, the FASB issued Accounting Standards Update 2023-09, Income Taxes (Topic 740): Improvements to Income Tax Disclosures. ("ASU 2023-09"). ASU 2023-09 requires entities to disclose: (1) consistent categories and greater disaggregation of information in the rate reconciliation and (2) the disaggregation of income taxes paid by jurisdiction. This update also makes several other changes to the income tax disclosure requirements. For public entities, the amendments in ASU 2023-09 are effective for fiscal years beginning after December 15, 2024, with early adoption permitted, and is required to be applied prospectively, but retrospective application is permitted. The Company is currently evaluating the impact of ASU 2023-09 on its income tax disclosures.Note 2 - Arq AcquisitionOn FebruaryÂ 1, 2023 (the "Acquisition Date"), the Company entered into a securities purchase agreement (the "Purchase Agreement") with Arq Limited ("Arq Ltd.") to acquire 100% of the equity of Legacy Arq in exchange for consideration (the "Purchase Consideration") totaling $31.2 million, and consisting of (i) 3,814,864 shares of the Company's common stock and (ii) 5,294,462 shares of the Company's Series A Convertible Preferred Stock, par value $0.001 per share (the "Series A Preferred Stock" or the "Preferred Shares"). The Company accounted for the Arq Acquisition as an acquisition of a business, and the total Purchase Consideration of $31.2 million was allocated to the acquired assets and assumed liabilities of Legacy Arq based on their estimated fair values as of the Acquisition Date. The Purchase Consideration was comprised of the fair values as of the Acquisition Date of 3,814,864 shares of the Company's common stock, valued at $12.4 million, and 5,294,462 Preferred Shares, valued at $18.8 million. The Company also incurred $8.7 million in acquisition-related costs, which were expensed as incurred during fiscal years 2022 and 2023 and included in the "Selling, general and administrative" line item in the Statements of Operations for those years. Legacy Arq's principal location is in Corbin, Kentucky where it operates the Corbin Facility, which processes bituminous coal waste into Arq Powder. Arq Powder can be used in high value applications, such as for a raw material to produce GAC products or as an additive in other applications. With the completion of the Arq Acquisition, the Company intends to use Arq Powder as a feedstock to produce high-quality AC for use in water and air purification markets. The Company expects to begin using Arq Powder to produce GAC products during the first quarter of 2025.8Arq, Inc. and SubsidiariesNotes to Condensed Consolidated Financial Statements(Unaudited)The following table provides the final purchase price allocation to the assets acquired and liabilities assumed as of the Acquisition Date: (in thousands)Purchase Price AllocationFair value of assets acquired:Cash$1,411Â Prepaid expenses and other current assets2,229Â Restricted cash, long-term814Â Property, plant and equipment, net39,159Â Other long-term assets, net11,717Â Amount attributable to assets acquired55,330Â Fair Value of liabilities assumed:Accounts payable and accrued expenses9,806Â Current portion of long-term debt494Â Other current liabilities103Â Long-term debt, net of current portion9,199Â Other long-term liabilities4,523Â Amount attributable to liabilities assumed24,125Â Net assets acquired$31,205Â The following represents the intangible asset identified as part of the Arq Acquisition and which is included in "Other long-term-assets, net" in the table above:(in thousands)AmountWeighted Average Useful Life (years)Developed technology$7,700Â 20Series A Preferred StockIn connection with the issuance of the Series A Preferred Stock pursuant to the

Purchase Agreement, the Company filed the Certificate of Designations of Preferred Stock for the Series A Preferred Stock (the "Certificate of Designations") with the Secretary of State of the State of Delaware. Under the Certificate of Designations, 8.9 million preferred shares were designated as Series A Preferred Stock.Of the total Preferred Shares issued in the Arq Acquisition, 833,914 were held in escrow (the "Escrow Shares") based on a contingent redemption feature. The fair value of the Preferred Shares issued was determined to be $3.46 per Preferred Share on the Acquisition Date plus the value of the contingent redemption feature related to the Escrow Shares. The Escrow Shares were converted into shares of the Company's common stock (the "Escrow Common Shares") on the Conversion Date, as defined below.Pursuant to the terms of the Series A Preferred Stock, on March 31, 2023, the Company declared a dividend of 68,464 Series A paid-in kind shares (the "PIK Dividend") with respect to the accrued dividends on the Preferred Shares for the first quarter of 2023. The PIK Dividend was recorded at the estimated fair value of $0.2 million as of March 31, 2023 and was paid on AprilÂ 21, 2023.On June 13, 2023 (the "Conversion Date"), the Company's stockholders approved the conversion of all of the outstanding shares of Series A Preferred Stock, including the Escrow Shares, and the corresponding issuance of shares of the Company's common stock. Upon such approval, each outstanding share of Series A Preferred Stock was automatically converted into the number of shares of the Company's common stock described below. Each share of Series A Preferred Stock was deemed to have an original issue price of $4.00 per share (the "Original Issue Amount"). The number of shares of the Company's common stock issued upon conversion of each share of Series A Preferred Stock was equal to the product of (i) the sum of (A) the Original Issue Amount plus (B) an amount equal to the cumulative amount of the accrued and unpaid dividends on such share at such time divided by (ii) the Original Issue Amount, subject to adjustment.9Arq, Inc. and SubsidiariesNotes to Condensed Consolidated Financial Statements(Unaudited)The Escrow Common Shares were withheld pending a determination by the United States Internal Revenue Service (the "IRS") that no tax withholding was required by Arq Ltd. on the Purchase Consideration issued to Arq Ltd. (the "Arq Ltd. Tax Liability"). The Company estimated the fair value of the potential Arq Ltd. Tax Liability at $3.3 million. In the event that the IRS determined that no withholding was required by Arq Ltd., all of the Escrow Common Shares would be released and delivered to Arq Ltd. In the event that the IRS determined that any amount of withholding was required by Arq Ltd., the Company agreed to redeem a sufficient number of Escrow Common Shares to fund the required payment to the IRS, and that number of Escrow Common Shares would be returned to the Company. In April 2024, the Company received notice from Arq Ltd. that the IRS had approved its filing for no tax withholding on the Purchase Consideration. Accordingly, in April 2024, the Company instructed its stock transfer agent to release the Escrow Common Shares to the Arq Ltd. stockholders. Equity FinancingOn FebruaryÂ 1, 2023, and pursuant to the Arq Acquisition, the Company entered into Subscription Agreements (the "Subscription Agreements") with certain persons (the "Subscribers"), which included existing shareholders of Arq Ltd., three of which were appointed to the Company's Board of Directors (the "Board"), pursuant to which the Subscribers subscribed for and purchased shares of the Company's common stock for an aggregate purchase price of $15.4 million and at a price per share of $4.00 (such transaction, the "PIPE Investment").Unaudited Pro Forma Financial InformationThe following represents the pro forma effects for the nine months ended SeptemberÂ 30, 2023 of the Arq Acquisition as if it had occurred on January 1, 2023. The pro forma net loss for the period presented has been calculated after applying the Companyâ€™s accounting policies in effect for that period. In addition, pro forma net loss includes: (1) a decrease in depreciation and amortization of $0.2Â million resulting from fair value adjustments to Property, plant, equipment; (2) an increase in amortization of $0.1Â million resulting from fair value adjustments to intangible assets; and (3) increases to interest expense of $0.2Â million for: (a) the issuance of the CFG Loan (as defined below) including stated interest and the amortization of the CFG Loan's discount and issuance costs and (b) amortization of debt discount related to a fair value adjustment to the CTB Loan (as defined below), which was assumed by the Company on the Acquisition Date; together with the income tax effects on (1) through (3). Since Legacy Arq had no revenues for the nine months ended SeptemberÂ 30, 2023, pro forma revenues are the same as the Company's reported revenues for that period.(in thousands)Nine Months Ended September 30, 2023Revenues$71,079Â Net loss$(12,100)Note 3 - RevenueFor the three and nine months ended SeptemberÂ 30, 2024 and 2023, all material performance obligations related to revenue recognized were satisfied at a point in time. For the three and nine months ended SeptemberÂ 30, 2024, approximately 5% and 7%, respectively, of total revenue was generated in Canada, and all other revenues were generated in the U.S. For the three and nine months ended SeptemberÂ 30, 2023, 7% and 8%, respectively, of total revenue was generated in Canada, and all other revenues were generated in the U.S.Trade receivables Trade receivables represent an unconditional right to consideration in exchange for goods or services transferred to a customer. The Company invoices its customers in accordance with the terms of the contract. Credit terms are generally net 30 - 45 days from the date of invoice. The timing between the satisfaction of performance obligations and when payment is due from the customer is generally not significant. Contract assetsContract assets are comprised of unbilled receivables from customers and are included in Receivables, net in the Consolidated Balance Sheets. Unbilled receivables represent a conditional right to consideration in exchange for goods or services transferred to a customer. 10Arq, Inc. and SubsidiariesNotes to Condensed Consolidated Financial Statements(Unaudited)The following table shows the components of the Company's Receivables, net:As of(in thousands)September 30, 2024December 31, 2023Trade and other receivables, net$16,465Â $11,330Â Unbilled receivables125Â 4,862Â Receivables, net$16,590Â $16,192Â Contract liabilitiesContract liabilities are comprised of deferred revenue, which represents an obligation to transfer goods or services to a customer for which the Company has received consideration from the customer and, if deliverable within one year or less, are included in "Other current liabilities" in the Condensed Consolidated Balance Sheets and, if deliverable outside of one year, are included in "Other long-term liabilities" in the Condensed Consolidated Balance Sheets.Note 4 - Inventories, netThe following table summarizes the Company's inventories as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023:As of(in thousands)September 30, 2024December 31, 2023Product inventory, net$11,498Â $9,524Â Raw material inventory6,989Â 10,169Â Total inventories, net$18,487Â $19,693Â Note 5 - Debt ObligationsAs of(in thousands)September 30, 2024December 31, 2023CFG Loan due February 2027, related party$10,000Â $10,000Â CTB Loan due January 20369,123Â 9,527Â Finance lease obligations2,192Â 3,465Â Other258Â â€”Â 21,573Â 22,992Â Unamortized debt discounts(623)(815)Unamortized debt issuance costs(992)(1,250)19,958Â 20,927Â Less: Current maturities(2,324)(2,653)Total long-term debt obligations$17,634Â $18,274Â CFG LoanAs required under the Purchase Agreement, and on FebruaryÂ 1, 2023 (the "Closing Date"), the Company, as borrower, certain of its subsidiaries, as guarantors, and CF Global ("CFG"), a related party, as administrative agent and lender, entered into a term loan (the "CFG Loan") in the amount of $10.0 million, less original issue discount ("OID") of $0.2 million, upon execution of a Term Loan and Security Agreement (the "CFG Loan Agreement"). The Company received net cash proceeds of $8.5 million after deducting the OID and debt issuance costs of $1.3 million. One of the Company's directors is a principal with CFG.The CFG Loan Agreement also required the issuance of a warrant (the "Warrant") to CFG to purchase 325,457 shares of the Company's common stock at an exercise price of $0.01 per share. The Warrant had a term of 7 years and contained a cashless exercise provision. On March 29, 2024, CFG exercised the warrant in full and the Company issued CFG 324,955 shares of its common stock, net of shares representing the exercise price of the warrant.The CFG Loan matures on February 1, 2027 and bears interest at a rate equal to either (a) Adjusted Term SOFR (subject to a 1.00% floor and a cap of 2.00%) plus a margin of 9.00% paid in cash and 5.00% paid in kind or (b) Base Rate (as defined in the CFG Loan Agreement) plus a margin of 8.00% paid in cash and 5.00% paid in kind, which interest on the CFG Loan in each case shall be payable (or capitalized, in the case of in kind interest) quarterly in arrears. 11Arq, Inc. and SubsidiariesNotes to Condensed Consolidated Financial Statements(Unaudited)The Company may prepay the CFG Loan at any time subject to the following prepayment premium: (i) prior to the twelve month anniversary of the Closing Date, the Make-Whole Amount (as defined below), (ii) thereafter but prior to the thirty-six month anniversary of the Closing Date, 2.00% of the outstanding principal amount of the CFG Loan being repaid or prepaid or (iii) thereafter until the maturity date, 1.00% of the outstanding principal amount of the CFG Loan being repaid or prepaid. The "Make-Whole Amount," with respect to any repayment or prepayment, is (i) an amount equal to all required interest payable (except for currently accrued and unpaid interest) on the aggregate principal amount of the CFG Loan subject to such prepayment or repayment from the date of such prepayment or repayment through but excluding the date that is the first anniversary of the Closing Date calculated using an interest rate equal to (x) Adjusted Term SOFR for an interest period of one month in effect on the third U.S. Government Securities Business Day prior to such prepayment or repayment plus (y) 14.00% per annum and assuming all interest was paid in cash, plus (ii) a prepayment premium of 2.00% on the aggregate principal amount of the CFG Loan subject to such prepayment or repayment.The CFG Loan is secured by substantially all of the assets of the Company and its subsidiaries (including those acquired in the Acquisition, but excluding those pledged as collateral (the "CTB Loan Assets") under the CTB Loan, as defined and described below), subject to customary exceptions. The CFG Loan Agreement includes, among others, the following covenants: (1) a minimum unrestricted balance of $5.0Â million as of the end of each fiscal quarter; (2) (x) as of December 31, 2024, for the fiscal year then ended, the Company must have a minimum annual revenue, on a consolidated basis, of $85.0Â million and (y) for any fiscal year thereafter, the Company must have a minimum annual revenue, on a consolidated basis, of $100.0Â million; (3) (x) as of December 31, 2024, for the fiscal year then ended, the Company must have a minimum Consolidated EBITDA of $3.0Â million and (y) for any fiscal year thereafter, the Company must have a minimum Consolidated EBITDA of $16.0Â million; and (4) during a period including a LTV Trigger Event (as defined in the CFG Loan Agreement), the Company must not exceed a loan to value ratio of 0.40:1.00 (based on the consolidated total assets of the Company and its subsidiaries, but excluding the CTB Loan Assets).The Company allocated the cash proceeds of the CFG Loan to both the CFG Loan and the Warrant based on their relative fair values. The amount allocated to the Warrant was recorded as a debt discount and is amortized to interest expense over the term of the CFG Loan. The standalone fair value of the CFG Loan was based on a comparison of borrowings and associated credit ratings consistent with those of the Company. As the Warrant was exercisable for $0.01 per share, the fair value was deemed to be equal to the fair value of the underlying shares, and accordingly, the fair value of the Warrant was determined as the number of shares issuable from the exercise of the Warrant (based on 1.0% of post-transaction fully diluted share capital, as defined in the Purchase Agreement) multiplied by the closing share price of the Company's common stock on the Acquisition Date.CTB LoanUpon completion of the Arq Acquisition, the Company assumed a term loan (the "CTB Loan") held by certain Arq subsidiaries as set out in the CTB Loan (the "Arq Subsidiaries") with a financial institution ("CTB") in the principal amount of $10.0 million. The Company recorded the CTB Loan on the Acquisition Date at its estimated fair value of $9.7 million, with the difference of $0.3 million between the estimated fair value and the principal amount recorded as a debt discount and recognized as interest expense over the term of the CTB Loan.The CTB Loan was originally entered into on January 27, 2021 and is comprised of two promissory notes (the "Notes"): (1) "Note A" in the principal amount of $8.0 million, which is guaranteed by the U.S. Department of Agriculture; and (2) "Note B" in the principal amount of $2.0 million. The Notes mature on January 27, 2036 and bear interest at 6.0% per annum through January 2026 and at the prime rate plus 2.75% thereafter. The Company is required to make combined interest and principal payments monthly in the fixed amount of $0.1 million. Interest is computed and payable on the outstanding principal as of the end of the prior month and the balance of the fixed monthly payment amount is applied to the outstanding principal. The Notes carry a prepayment penalty of 3.0% of the outstanding principal if paid prior to January 27, 2024, 2.0% of the outstanding principal if paid prior to January 27, 2025 and 1.0% of the outstanding principal if paid prior to January 27, 2026. Thereafter, the Notes may be prepaid without penalty.On June 2, 2023 (the "Amendment Date"), certain of the Arq Subsidiaries, which included Corbin Project LLC, Arq Projects Holding Company LLC, Arq St. Rose LLC, Arq Corbin LLC and Arq Corbin Land LLC (collectively, the "Borrowers") and CTB entered into a loan modification agreement (the "CTB Loan Modification Agreement") to the CTB Loan, as amended by that certain letter agreement by and among CTB and Borrowers dated January 21, 2022, and as otherwise amended, modified and/or extended by the parties from time to time (collectively, the "CTB Loan Agreement"). As consideration for CTB entering into the CTB Loan Modification Agreement, the Borrowers agreed to pay a fee of $50,000 plus additional fees incurred by CTB and were required to deposit an additional $0.7 million into a deposit account (the "Interest Reserve Account" as defined in the CTB Loan Agreement), where the Interest Reserve Account is held as collateral by CTB. The Borrowers may withdraw funds from the Interest Reserve Account beginning one year from the Amendment Date, subject to restrictions as stated in the CTB Loan Modification Agreement.12Arq, Inc. and SubsidiariesNotes to Condensed Consolidated Financial Statements(Unaudited)The CTB Loan Modification Agreement clarified and modified certain terms under the CTB Loan Agreement. The principal clarifications and modifications in effect are as follows:â€¢The Borrowers are not entitled to any further disbursements of proceeds under those promissory notes described in the CTB Loan Modification Agreement;â€¢CTB agreed to waive certain required financial covenants required as of December 31, 2023; andâ€¢CTB is authorized to amend and/or amend and restate its then-current security instruments to include additional collateral represented by the Borrowers' acquisition of any equipment or other fixed and/or operating assets in which CTB does not then hold a lien or security interest.The CTB Loan is secured by substantially all assets of the Borrowers and includes among others, the following covenants with respect to the Borrowers, which are tested annually (Capitalized terms are defined in the CTB Loan Agreement): (a) Total Indebtedness to Net Worth greater than 4 to 1; (b) Balance Sheet Equity greater than or equal to 20% of the book value of all assets of the Borrowers; (c) (i) net income plus interest, taxes, depreciation and amortization divided by (ii) interest expense plus current maturities on long-term debt greater than or equal to 1.25 to 1. The carrying values of both the CFG Loan and the CTB Loan approximate their fair values as both instruments bear interest at rates indexed to market rates for similar instruments.Note 6 - Leases The Company's operating and finance lease right-of-use ("ROU") assets and liabilities as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023 consisted of the following items (in thousands):As ofLeasesSeptember 30, 2024December 31, 2023Operating LeasesOperating lease right-of-use assets, net of accumulated amortization (1)$9,331Â $10,592Â Operating lease obligations, current$1,991Â $1,944Â Long-term operating lease obligations7,569Â 8,870Â Total operating lease obligation$9,560Â $10,814Â Finance LeasesFinance lease right-of-use assets, net of accumulated amortization (2)$975Â $1,694Â Finance lease obligations, current$1,699Â $2,131Â Long-term finance lease obligations493Â 1,334Â Total finance lease obligations$2,192Â $3,465Â (1) Operating lease ROU assets are reported net of accumulated amortization of $4.0 million and $5.1 million as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023, respectively. (2) Finance lease ROU assets are reported net of accumulated amortization of $3.0 million and $2.7 million as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023, respectively.Operating leasesROU assets under operating leases and operating lease liabilities are included in the "Other long-term assets" and "Other current liabilities" and "Other long-term liabilities" line items, respectively, in the Condensed Consolidated Balance Sheets as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023. Lease expense for operating leases for the three and nine months ended SeptemberÂ 30, 2024 was $1.3 million and $4.0 million, respectively, of which $0.9 million and $2.9 million, respectively, is included in the "Cost of revenue, exclusive of depreciation and amortization" line item, and $0.4 million and $1.1 million, respectively, is included in the "Selling, general and administrative" line item in the Condensed Consolidated Statements of Operations for those periods. 13Arq, Inc. and SubsidiariesNotes to Condensed Consolidated Financial Statements(Unaudited)Lease expense for operating leases for the three and nine months ended SeptemberÂ 30, 2023 was $1.6 million and $4.3 million, respectively, of which $1.2 million and $3.4 million, respectively, is included in the "Cost of revenue, exclusive of depreciation and amortization" line item, and $0.4 million and $0.9 million, respectively, is included in the "Selling, general and administrative" line item in the Condensed Consolidated Statements of Operations for those periods.Finance leasesROU assets under finance leases are included in the "Property, plant and equipment" line item in the Condensed Consolidated Balance Sheets as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023. Interest expense related to finance lease obligations and amortization of ROU assets under finance leases are included in the "Interest expense" and "Depreciation, amortization, depletion and accretion" line items, respectively, in the Condensed Consolidated Statements of Operations for the three and nine months ended SeptemberÂ 30, 2024 and 2023.Lease financial information as of and for the three and nine months ended SeptemberÂ 30, 2024 and 2023 is provided in the following table:Three Months Ended September 30,Nine Months Ended September 30,(in thousands)20242023202420232023Finance lease cost:Amortization of right-of-use assets$46Â $215Â $466Â $661Â Interest on lease liabilities50Â 59Â 149Â 190Â Operating lease cost773Â 1,000Â 2,448Â 3,017Â Short-term lease cost437Â 481Â 1,220Â 1,132Â Variable lease cost (1)104Â 81Â 313Â 145Â Total lease cost$1,410Â $1,836Â $4,596Â $5,145Â Other Information:Cash paid for amounts included in the measurement of lease liabilities:Operating cash flows for finance leases$149Â $190Â Operating cash flows for operating leases$1,512Â $2,087Â Financing cash flows for finance leases$838Â $855Â Right-of-use assets obtained in exchange for new finance lease liabilities$â€”Â $â€”Â Right-of-use assets obtained in exchange for new operating lease liabilities$257Â $1,947Â Weighted-average remaining lease term - finance leases1.2 years2.1 yearsWeighted-average remaining lease term - operating leases7.4 years7.8 yearsWeighted-average discount rate - finance leases6.4Â %5.9Â %Weighted-average discount rate - operating leases12.4Â %12.7Â %(1) Primarily includes common area maintenance, property taxes and insurance payable to lessors.Note 7 - Commitments and ContingenciesSurety Bonds and Restricted CashAs the owner of the Five Forks Mine, the Company is required to post a surety bond with a regulatory commission related to performance requirements associated with the Five Forks Mine. As of SeptemberÂ 30, 2024, the amount of this surety bond was $7.5 million. The Company leases land adjacent to the Corbin Facility and is required to post surety bonds with a regulatory commission for reclamation. As of SeptemberÂ 30, 2024, the amount of these surety bonds was $3.0 million.The Company holds permits for an abandoned mine in West Virginia ("Mine 4") and is required to post a surety bond with a regulatory

commission for reclamation. As of SeptemberÂ 30, 2024, the amount of this surety bond was $0.7Â million.14Arq, Inc. and SubsidiariesNotes to Condensed Consolidated Financial Statements(Unaudited)As of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023, the Company posted cash collateral of $8.5 million and $8.5 million, respectively, as required by the Company's surety bond providers, which is reported as long-term restricted cash in the Condensed Consolidated Balance Sheets. As of SeptemberÂ 30, 2024, the Company holds a deposit of $0.4Â million with a third party for collateral as required under a bonding arrangement for Mine 4. This deposit is included in "Other long-term assets, net" in the Condensed Consolidated Balance Sheet as of SeptemberÂ 30, 2024. The Company has a customer supply agreement that requires the Company to post a performance bond in an amount equal to the annual contract value of $3.7 million. As of SeptemberÂ 30, 2024, the remaining commitment under this customer contract, which expires on December 31, 2024, was approximately $1.3 million.Red River Plant Construction ContractIn January 2024, the Company executed a contract with a third-party contractor for the construction of a GAC facility at the Red River Plant, and immediately commenced construction operations. The Company terminated the contract in September 2024, and anticipates completing construction and commissioning with internal resources fulfilling the role of the third-party contractor. The Company expects to complete its first deliveries in the first quarter of 2025 and estimates that total construction costs will be in the range of $75.0 - $80.0Â million. Tinuum GroupThe Company has certain limited obligations contingent upon future events in connection with the activities of Tinuum Group. The Company, NexGen Refined Coal, LLC ("NexGen") and two entities affiliated with NexGen have provided another Tinuum Group owner with limited guarantees (the "Tinuum Group Party Guarantees") related to certain losses it may suffer as a result of inaccuracies or breach of representations and covenants. The Company also is a party to a contribution agreement with NexGen under which any party called upon to pay on a Tinuum Group Party Guaranty is entitled to receive contribution from the other party equal to 50% of the amount paid. No liability or expense provision has been recorded by the Company related to this contingent obligation as the Company believes that it is not probable that a loss will occur with respect to Tinuum Group Party Guarantees.As of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023, the Company has a contractual obligation (the "Tinuum Group Obligation") of $1.7Â million for its share of certain contingent liabilities of Tinuum Group as required under the Distribution and Repayment Agreement (the "Repayment Agreement") that was executed in December 2022 by the Company and certain owners of Tinuum Group. The Tinuum Group Obligation is included in the "Other current liabilities" line item in the Consolidated Balance Sheet.Legal ProceedingsThe Company is from time to time subject to various pending or threatened legal actions and proceedings, including those that arise in the ordinary course of its business. Such matters are subject to many uncertainties and outcomes, the financial impacts of which are not predictable with assurance and that may not be known for extended periods of time. The Company records a liability in its consolidated financial statements for costs related to claims, settlements and judgments where management has assessed that a loss is probable and an amount can be reasonably estimated. As of SeptemberÂ 30, 2024, there were no material pending legal proceedings to which the Company is a party. 15Arq, Inc. and SubsidiariesNotes to Condensed Consolidated Financial Statements(Unaudited)Note 8 - Supplemental Financial InformationSupplemental Balance Sheet InformationThe following table summarizes the components of Prepaid expenses and other current assets, and Other long-term assets, net as presented in the Condensed Consolidated Balance Sheets:As of(in thousands)September 30, 2024December 31, 2023Prepaid expenses and other current assets:Prepaid expenses$1,317Â $2,430Â Prepaid income taxes and income tax refunds192Â 349Â Other2,021Â 2,436Â Total prepaid expenses and other current assets$3,530Â $5,215Â Other long-term assets, net:Spare parts, net$10,753Â $9,147Â Right of use assets, operating leases, net9,331Â 10,592Â Intangible assets, net7,644Â 7,899Â Mine development costs, net7,125Â 7,377Â Upfront Customer Consideration (1)5,586Â 5,967Â Mine reclamation asset, net1,856Â 1,955Â Other 2,546Â 2,663Â Total other long-term assets, net$44,841Â $45,600Â (1) Represents remaining balance on consideration paid to a customer under a supply contract executed in 2020. This asset is being amortized as a reduction to revenue on a straight-line basis over the expected 15-year contractual period of the contract.Spare parts include critical spares required to support plant operations. Mine development costs include acquisition costs, the cost of other development work and mitigation costs related to the Five Forks Mine and are depleted over the estimated life of the related mine reserves.Mine reclamation asset, net represents an asset retirement obligation ("ARO") asset related to the Five Forks Mine and is depreciated over its estimated life. As of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023, Other includes the Highview Investment in the amount of $0.6 million that is carried at cost, less impairment, plus or minus observable changes in price for identical or similar investments of the same issuer. 16Arq, Inc. and SubsidiariesNotes to Condensed Consolidated Financial Statements(Unaudited)The following table details the components of Other current liabilities and Other long-term liabilities as presented in the Condensed Consolidated Balance Sheets:Â As of(in thousands)September 30, 2024December 31, 2023Other current liabilities:Current portion of operating lease obligations$1,991Â $1,944Â Sales, use and other taxes payable1,719Â 948Â Current portion of asset retirement obligations1,259Â 182Â Other(1)2,702Â 2,718Â Total other current liabilities$7,671Â $5,792Â Other long-term liabilities:Operating lease obligations, long-term$7,569Â $8,870Â Asset retirement obligations5,335Â 5,981Â Other1,125Â 929Â Total other long-term liabilities$14,029Â $15,780Â (1) Included in Other current liabilities as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023 is $1.7 million for the Tinuum Group Obligation as discussed in Note 7.As of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023, the ARO related to the Five Forks Mine is included in Other long-term liabilities. The Mine reclamation liabilities represent AROs. Changes in the AROs were as follows:As of(in thousands)September 30, 2024December 31, 2023Asset retirement obligations, beginning of period$6,163Â $8,533Â Asset retirement obligations assumed(1)â€”Â 1,500Â Accretion496Â 582Â Liabilities settled(2)(65)(4,866)Changes due to scope and timing of reclamationâ€”Â 414Â Asset retirement obligations, end of period6,594Â 6,163Â Less current portion1,259Â 182Â Asset retirement obligations, long-term$5,335Â $5,981Â (1) Â Â Â Â Represents the Corbin ARO and Mine 4 ARO in the amounts of $0.5Â million and $1.0Â million, respectively, assumed during the period ended DecemberÂ 31, 2023.(2) Â Â Â Â Included in liabilities settled during the period ended DecemberÂ 31, 2023 is $4.7Â million related to the removal of the ARO associated with Marshall Mine, LLC as a result of the sale of Marshall Mine, LLC in March 2023.Supplemental Income Statement InformationTinuum Group, LLCAs of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023, the Company's ownership interest in Tinuum Group, an equity method investment, was 42.5%. For the three and nine months ended SeptemberÂ 30, 2024, the Company recognized earnings from Tinuum Group of $0.1Â million. For the three and nine months ended SeptemberÂ 30, 2023, the Company recognized earnings from Tinuum Group of $0.2Â million and $1.1Â million, respectively. In 2024, Tinuum Group, LLC has continued to wind down its operations. 17Arq, Inc. and SubsidiariesNotes to Condensed Consolidated Financial Statements(Unaudited)For the three and nine months ended SeptemberÂ 30, 2024, the Company recognized expense of $0.2Â million and $0.7Â million, respectively, in Cost of revenue, exclusive of depreciation and amortization, related to royalties owed to Tinuum Group under an agreement for certain of the Company's sales of M-ProveTM products. For the three and nine months ended SeptemberÂ 30, 2023, the Company recognized expense of $0.2Â million and $0.6Â million, respectively, in Cost of revenue, exclusive of depreciation and amortization, related to royalties owed to Tinuum Group under an agreement for certain of the Company's sales of M-ProveTM products.Note 9 - Stockholders' EquityCommon Stock Transactions In April 2024, the Company received $0.8Â million in cash and issued 422,221 shares of its common stock pursuant to a subscription agreement between the Company and its CEO executed in July 2023. In May 2024, the Company entered into a securities purchase agreement (the "SPA") with certain accredited investors for the sale of an aggregate of 2,142,858 shares of the Companyâ€™s common stock, at a selling price of $7.00 per share (the "Private Placement"). After deducting offering costs, the Company raised net cash proceeds of $15.0Â million from the Private Placement.In September 2024, the Company entered into an underwriting agreement (the "Underwriting Agreement") with certain underwriters, relating to the issuance and sale of 4,770,000 shares of the Company's common stock at a price to the public of $5.25 per share, as well as an overallotment option to purchase an additional 715,500 shares within 30 days following the date of the Underwriting Agreement (the "Public Offering"). The Company issued a total of 5,485,500 shares, inclusive of 715,500 shares issued pursuant to the underwriters' fully exercised overallotment option, and received net proceeds, after deducting offering costs, of approximately $26.7Â million from the Public Offering.Stock Repurchase ProgramAs ofÂ SeptemberÂ 30, 2024, the Company hadÂ $7.0 millionÂ remaining under a stock repurchase program, which will remain in effect until all amounts are utilized or is otherwise modified by the Board. The Company did not repurchase any shares during the three and nine months ended SeptemberÂ 30, 2024 or 2023.Tax Asset Protection PlanU.S. federal income tax rules, and Section 382 of the Internal Revenue Code in particular, could substantially limit the use of net operating losses and tax credits if the Company experiences an "ownership change" (as defined in the Internal Revenue Code). In general, an ownership change occurs if there is a cumulative change in the ownership of the Company by "5 percent stockholders" that exceeds 50 percentage points over a rolling three-year period.An entity that experiences an ownership change generally will be subject to an annual limitation on its pre-ownership change tax loss and credit carryforwards equal to the equity value of the entity immediately before the ownership change, multiplied by the long-term, tax-exempt rate posted monthly by the Internal Revenue Service (subject to certain adjustments). The annual limitation would be increased each year to the extent that there is an unused limitation in a prior year.On May 5, 2017, the Board approved the declaration of a dividend of rights to purchase Series B Junior Participating Preferred Stock for each outstanding share of common stock as part of a tax asset protection plan (the "TAPP"), which is designed to protect the Companyâ€™s ability to utilize its net operating losses and tax credits. The TAPP is intended to act as a deterrent to any person acquiring beneficial ownership of 4.99% or more of the Companyâ€™s outstanding common stock. On April 12, 2024, the Board approved the Seventh Amendment to the TAPP (the "Seventh Amendment"), which amends the TAPP, as previously amended by the First, Second, Third, Fourth, Fifth and Sixth Amendments that were approved by the Board on April 6, 2018, April 5, 2019, April 9, 2020, April 9, 2021, March 15, 2022, and April 13, 2023, respectively. The Seventh Amendment amends the definition of "Final Expiration Date" under the TAPP to extend the duration of the TAPP and makes associated changes in connection therewith. Pursuant to the Seventh Amendment, the Final Expiration Date shall be the close of business on the earlier of (i) December 31, 2025 or (ii) December 31, 2024 if stockholder approval of the Seventh Amendment has not been obtained prior to such date. At the Company's 2024 Annual Meeting of Stockholders held on June 10, 2024, the Company's stockholders approved the Seventh Amendment, thus the final expiration date will be the close of business on December 31, 2025.Note 10 - Stock-Based CompensationThe Company grants equity-based awards to employees, non-employee directors and consultants that may include, but are not limited to, RSAs, PSUs, restricted stock units and stock options. Stock-based compensation expense related to manufacturing 18Arq, Inc. and SubsidiariesNotes to Condensed Consolidated Financial Statements(Unaudited)employees and administrative employees is included in the "Cost of revenue" and "Selling, general and administrative" line items, respectively, in the Condensed Consolidated Statements of Operations. Stock-based compensation expense related to non-employee directors and consultants is included in the "Selling, general and administrative" line item in the Condensed Consolidated Statements of Operations.Total stock-based compensation expense for the three and nine months ended SeptemberÂ 30, 2024 and 2023 was as follows: Â Three Months Ended September 30,Nine Months Ended September 30,(in thousands)20242023202420232023RSA expense$483Â $501Â $1,268Â $1,405Â PSU expense206Â 151Â 735Â 355Â Stock option expense61Â 50Â 182Â 50Â Total stock-based compensation expense$750Â $702Â $2,185Â $1,810Â The amount of unrecognized compensation cost as of SeptemberÂ 30, 2024, and the expected weighted-average period over which the cost will be recognized is as follows:As of September 30, 2024(in thousands, expect years)Unrecognized Compensation CostExpected Weighted-Average Period of Recognition (in years)RSA expense$3,414Â 1.82PSU expense1,400Â 1.09Stock option expense435Â 1.79Total unrecognized stock-based compensation expense$5,249Â 1.62Restricted Stock AwardsRSAs are typically granted with vesting terms of three years. The fair value of RSAs is determined based on the closing price of the Company's common stock on the authorization date of the grant multiplied by the number of shares subject to the stock award. Compensation expense for RSAs is generally recognized on a straight-line basis over the entire vesting period.A summary of RSA activity under the Company's various stock compensation plans for the nine months ended September 30, 2024 is presented below:Restricted StockWeighted-Average GrantÂ Date Fair ValueNon-vested at January 1, 2024790,005Â $3.10Â Granted577,159Â $5.79Â Vested(541,166)$3.34Â Forfeited(55,197)$2.82Â Non-vested at September 30, 2024770,801Â $4.99Â Performance Share UnitsCompensation expense for PSUs is recognized on a straight-line basis over the applicable service period, which is generallyÂ three years, based on the estimated fair value at the date of grant. The estimated fair value at the date of grant is 19Arq, Inc. and SubsidiariesNotes to Condensed Consolidated Financial Statements(Unaudited)determined using a Monte Carlo simulation model for those PSUs with market-based performance conditions. A summary of PSU activity for theÂ nine months ended September 30, 2024Â is presented below:UnitsWeighted-AverageGrantÂ DateFair ValueAggregate Intrinsic Value (in thousands)Weighted-AverageRemainingContractualTerm (in years)PSUs outstanding, January 1, 2024968,918Â $2.06Â Granted115,877Â $10.94Â Vested / Settled(1)(150,000)$2.28Â Forfeited / Canceled(57,750)$5.90Â PSUs outstanding, September 30, 2024877,045Â $2.94Â $5,148Â 1.09(1) The number of units shown in the table above are based on target performance. The final number of shares of common stock issued may vary depending on the achievement of market or performance conditions established within the awards, which could result in the actual number of shares issued ranging from zero to a maximum of two times the number of units shown in the above table. For the three and nine months ended SeptemberÂ 30, 2024, 150,000 shares of common stock were issued upon vesting of PSUs.Stock OptionsStock options vest over three years and have a contractual limit of ten years from the date of grant to exercise. The fair value of stock options granted is determined on the date of grant using the Black-Scholes option pricing model, and the related expense is recognized on a straight-line basis over the entire vesting period. The determination of the grant date fair value of stock options issued is affected by a number of variables, including the fair value of the Companyâ€™s common stock, the expected common stock price volatility over the expected term of the stock option, the expected term of the stock option, risk-free interest rates, and the expected dividend yield of the Companyâ€™s common stock. Risk-free interest rate - The risk-free interest rate for stock options granted was determined by using a zero-coupon U.S. Treasury rate for the periods that coincided with the expected term of the options.Dividend yield - An expected dividend yield of zero was included in the calculations, as the Company does not currently pay nor does it anticipate paying dividends on its common stock as of the grant date of the stock options.Expected volatility - To calculate expected volatility, the historical volatility of the Company's common stock was used.Expected term - The Companyâ€™s expected term of stock options was calculated using a simplified method whereby the midpoint between the vesting date and the end of the contractual term is utilized to compute the expected term, as the Company does not have sufficient historical data for options with similar vesting and contractual terms.The Company did not grant any stock options during the three and nine months ended SeptemberÂ 30, 2024. The Company granted 1,000,000 stock options during the three and nine months ended SeptemberÂ 30, 2023. A summary of stock option activity for the nine months ended September 30, 2024 is presented below:Number of OptionsOutstandingÂ andExercisableWeighted-AverageExercise PriceAggregate Intrinsic Value (in thousands)Weighted-AverageRemaining ContractualTerm (in years)Options outstanding, January 1, 20241,000,000Â $3.00Â Options grantedâ€”Â â€”Â Options exercisedâ€”Â â€”Â Options expired / forfeitedâ€”Â â€”Â Options outstanding, September 30, 20241,000,000Â $3.00Â $2,870Â 8.79Options vested and exercisable, September 30, 2024333,333Â $3.00Â $957Â 8.7920Arq, Inc. and SubsidiariesNotes to Condensed Consolidated Financial Statements(Unaudited)Note 11 - Income TaxesFor the three and nine months ended SeptemberÂ 30, 2024 and 2023, the Company's income tax (expense) benefit and effective tax rates are presented below: Three Months Ended September 30,Nine Months Ended September 30,(in thousands, except for rate)20242023202420232023Income tax (expense) benefit$â€”Â $â€”Â (30)33Â Effective tax rateâ€”Â %â€”Â %1Â %â€”Â %The Company incurred pretax loss for the nine months ended September 30, 2024 and expects to incur pretax loss for the year ending DecemberÂ 31, 2024. As a result, the effective rate for the three and nine months ended SeptemberÂ 30, 2024 would be zero as the resultant tax benefit was offset by a valuation allowance recorded as of SeptemberÂ 30, 2024, However, the Company recorded out of period state income tax expense for the nine months ended SeptemberÂ 30, 2024 resulting in the effective tax rate of 1% for this period.The Company assesses a valuation allowance recorded against deferred tax assets at each reporting date. The determination of whether a valuation allowance for deferred tax assets is appropriate requires the evaluation of positive and negative evidence that can be objectively verified. Consideration must be given to all sources of taxable income available to realize deferred tax assets, including, as applicable, the future reversal of existing temporary differences, future taxable income forecasts exclusive of the reversal of temporary differences and carryforwards, taxable income in carryback years and tax planning strategies. In estimating income taxes, the Company assesses the relative merits and risks of the appropriate income tax treatment of transactions taking into account statutory, judicial and regulatory guidance.Note 12 - Marshall MineOn March 27, 2023, (the "MM Closing Date"), the Company completed the sale of all of its membership interests in Â Â Â Â Marshall Mine, LLC to a third party (the "Buyer") in exchange for a cash payment of $2.2Â million (the "MM Purchase Price") made by the Company to the Buyer and the assumption by the Buyer of certain liabilities of Marshall Mine, LLC. As of the MM Closing Date, Marshall Mine, LLC had outstanding liabilities of approximately $4.9Â million that were discharged upon payment of the MM Purchase Price by the Company, and the Company recognized a gain of approximately $2.7Â million in the Statement of Operations for the nine months ended September 30, 2023.Note 13 - Subsequent EventsUnless disclosed elsewhere in the notes to the Condensed Consolidated Financial Statements, there were no significant matters that occurred subsequent to SeptemberÂ 30, 2024.21ItemÂ 2. Managementâ€™s Discussion and Analysis of Financial Condition and Results of

OperationsThe following discussion and analysis of our financial condition and results of our operations should be read together with the unaudited Condensed Consolidated Financial Statements and notes of Arq, Inc. ("Arq" or the "Company") included elsewhere in Item 1 of Part I ("Item 1") of this Quarterly Report and with the audited consolidated financial statements and the related notes of Arq included in the Company's Annual Report on Form 10-K for the year ended DecemberÂ 31, 2023 (the "2023 Form 10-K").The results of operations discussed in this "Management's Discussion and Analysis of Financial Condition and Results of Operations" are those of Arq, Inc. and its consolidated subsidiaries, collectively, the "Company," "we," "our" or "us."OverviewWe are an environmental technology company that is principally engaged in the sale of consumable air and water treatment solutions primarily based on Activated Carbon ("AC"). Our proprietary AC products enable customers to reduce air, water, and soil contaminants, including mercury, per- and polyfluoroalkyl substances ("PFAS") and other pollutants, to help our customers maximize effectiveness and to improve operating efficiencies to meet the challenges of existing and pending air quality, soil, and water regulations. We manufacture and sell AC and other chemicals used to capture and remove contaminants for coal-fired power generation, industrial and water treatment markets, which we collectively refer to as the advanced purification technologies ("APT") market. Our primary products are comprised of AC, which is produced from a variety of carbonaceous raw materials. Our AC products include both powdered activated carbon ("PAC") and granular activated carbon ("GAC"). Additionally, we own the Five Forks Mine, a lignite mine that currently supplies the primary raw material for the manufacturing of our products.In February 2023, we acquired 100% of the equity of the subsidiaries of Arq Limited (the "Arq Acquisition," and hereafter the Arq Limited subsidiaries are referred to as "Legacy Arq") to secure access to a feedstock, a manufacturing facility and certain patented processes as a means to manufacture additional GAC products for sale into the APT market and other markets. With the Arq Acquisition, we now control bituminous coal waste reserves and own a manufacturing facility, both located in Corbin, Kentucky (the "Corbin Facility"), and a process to recover and purify the bituminous coal fines for sale or further conversion to GAC products. Using the Corbin Facility's manufacturing process, we convert coal waste into a purified, microfine carbon powder known as Arq powderTM ("Arq Powder"). We expect to begin using Arq Powder as a feedstock to manufacture high-quality GAC products for sale in the APT and other markets during the first quarter of 2025.We believe Arq Powder has additional potential for us to access new markets and applications. We expect to secure customer interest in Arq Powder as an additive into other markets, such as components for asphalt. These products utilizing Arq Powder are expected to have a lower carbon footprint compared to similar products utilizing conventional materials. These applications are currently in various stages of proof of concept testing or preliminary customer testing.In February 2024, as part of a larger rebranding, we changed our name to Arq, Inc., and on February 1, 2024, our common stock commenced trading under the ticker symbol, "ARQ".Drivers of Demand and Key Factors Affecting ProfitabilityDrivers of demand and current key factors affecting our profitability are sales of our AC products to the APT market. Our operating results are influenced by: (1) changes in our manufacturing production and sales volumes; (2) changes in price and product mix; (3) changes in coal-fired dispatch and electricity power generation sources and (4) changes in demand for contaminant removal within water treatment facilities.For the three and nine months ended SeptemberÂ 30, 2024, we experienced a decrease in demand for our products from certain coal-fired dispatch and electricity power generation customers compared to the same periods in 2023. This was primarily due to lower natural gas prices, resulting in several large utility customers opting to use natural gas versus coal as a primary source for power generation, and the year to date impact of mild temperatures during the winter and spring seasons, resulting in lower demand for power generation compared to 2023. We expect that natural gas prices will remain relatively consistent through 2024 due to surplus natural gas reserves in storage, which, we expect, will negatively impact sales of our products even with higher than average summer temperatures.On April 10, 2024, the United States Environmental Protection Agency ("EPA") issued its first nationally enforceable PFAS National Primary Drinking Water Regulation, confirming a material tightening to an existing framework of guidance and regulations relating to the control and limitation of PFAS in municipal water. The regulatory changes are anticipated to phase in over an approximate five-year period. We expect the implementation of the announced regulations will drive a material increase in GAC demand in the water purification market.22Results of OperationsFor the three and nine months ended SeptemberÂ 30, 2024, we recognized net income of $1.6 million and net loss of $3.8 million, respectively, compared to net loss of $2.2 million and $15.5 million for the three and nine months ended SeptemberÂ 30, 2023. The most significant factor impacting results for the three months ended SeptemberÂ 30, 2024 was higher revenue as a result of increased average selling price, which was partially offset by a decrease in demand for our AC and chemical products with power generation customers, when compared to the three months ended SeptemberÂ 30, 2023. The decrease in demand from our power generation customers was primarily driven by continued low prices of alternative energy sources for power generation. These factors also impacted our results for the nine months ended SeptemberÂ 30, 2024 as compared to the nine months ended SeptemberÂ 30, 2023. Additionally, during the nine months ended SeptemberÂ 30, 2023, we recorded expenses related to the Arq Acquisition that did not occur in 2024.The following sections provide additional information regarding these comparable periods. For comparability purposes, the following tables set forth our results of operations for the periods presented in the Condensed Consolidated Financial Statements included in Item 1 of this Quarterly Report. The current year period to prior year period comparisons of financial results may not be indicative of financial results to be achieved in future periods. Comparison of the Three Months Ended September 30, 2024 and 2023 Revenue and Cost of revenueA summary of the components of our Revenue and Cost of revenue for the three months ended September 30, 2024 and 2023 is as follows:Three Months Ended September 30,Change(in thousands, except percentages)20242023($)(%)Revenue$34,774Â $29,829Â $4,945Â 17Â %Cost of revenue, exclusive of depreciation and amortization$21,339Â $20,707Â $632Â 3Â %Revenue and Cost of revenueFor the three months ended September 30, 2024, revenue increased from the comparable quarter in 2023 primarily driven by overall favorable product mix and higher pricing of approximately $2.7Â million and $1.2Â million, respectively. The increase from favorable product mix was primarily driven by sales to municipal water customers and a large non-power generation customer. Also contributing to an increase in revenue between periods was $0.2Â million attributable to volumes sold, despite lower natural gas prices compared to the same quarter in 2023, which contributed to decreased utilization of coal-fired generation and decreased demand for our products by customers in the power generation market. The average Henry Hub natural gas spot prices ($/MMBtu) for the three months ended September 30, 2024 and 2023 were $2.11 and $2.59, respectively. Gross margin, exclusive of depreciation and amortization, increased for the three months ended September 30, 2024 compared to the corresponding quarter in 2023. The increase in gross margin was primarily due to favorable product mix as described above, as well as lower fixed costs as a percentage of total cost of revenue due to higher production volumes for the three months ended September 30, 2024 compared to the corresponding quarter in 2023.We expect that revenue and gross margin will continue to be positively impacted by our product price increases and our efforts to move our product mix to higher margin products. We anticipate that the product price increases will help offset decreases in volumes due to prices of alternative energy sources impacting the demand for our AC and chemical products related to power generation.Revenue continues to be affected by electricity demand driven by seasonal weather and related power generation needs, as well as competitor prices related to alternative power generation sources such as natural gas and renewables. 23Operating ExpensesA summary of the components of our operating expenses for the three months ended September 30, 2024 and 2023 is as follows:Three Months Ended September 30,Change(in thousands, except percentages)20242023($)(%)Operating expenses:Selling, general and administrative$8,058Â $8,297Â $(239)(3)%Research and development787Â 639Â 148Â 23Â %Depreciation, amortization, depletion and accretion2,716Â 2,711Â 5Â â€”Â %Gain on sale of assets(154)â€”Â (154)*$11,407Â $11,647Â $(240)(2)%* Percent change in excess of 100% not considered meaningful.Selling, General and AdministrativeA summary of the components of selling, general and administrative expenses for the three months ended September 30, 2024 and 2023, exclusive of cost of revenue items (presented above), is as follows:Three Months Ended September 30,Change(in thousands, except percentages)20242023($)(%)Payroll and benefits$2,843Â $3,875Â $(1,032)(27)%Legal and professional fees1,430Â 1,631Â (201)(12)%General and administrative3,785Â 2,791Â 994Â 36Â %Total Selling, general and administrative$8,058Â $8,297Â $(239)(3)%Payroll and benefits Payroll and benefits, which represent costs related to selling, general and administrative personnel, decreased for the three months ended September 30, 2024 compared to the corresponding quarter in 2023 primarily due to severance related costs of $1.0 million associated with the termination of an executive officer during the three months ended SeptemberÂ 30, 2023, and decreased salaries and wages in the current quarter primarily from lower executive compensation, which was a result of personnel changes implemented in 2023.Legal and professional feesLegal and professional fees decreased for the three months ended September 30, 2024 compared to the corresponding quarter in 2023 primarily from legal and accounting costs incurred related to the Arq Acquisition during the period ended SeptemberÂ 30, 2023, partially offset by increased consulting fees.General and administrative General and administrative expenses increased for the three months ended September 30, 2024 compared to the corresponding quarter in 2023 by approximately $1.0Â million, primarily due to an increase in rent and occupancy expenses, third-party services at the Corbin Facility, and franchise taxes. Research and developmentResearch and development expense increased for the three months ended September 30, 2024 compared to the corresponding quarter in 2023, primarily due to conducting product qualification testing with potential lead-adopters as part of our ongoing GAC contracting process, and increased research and development payroll costs.Depreciation, amortization, depletion and accretionDepreciation, amortization depletion and accretion expense remained flat for the three months ended September 30, 2024 compared to the corresponding quarter in 2023.Gain on sale of assetsGain on sale of assets for the three months ended September 30, 2024 primarily relates to a gain on the sale of equipment.24Other (Expense) Income, net A summary of the components of other (expense) income, net for the three months ended September 30, 2024 and 2023 is as follows:Three Months Ended September 30,Change(in thousands, except percentages)20242023($)(%)Other (expense) income:Earnings from equity method investments$127Â $412Â $(285)(69)%Interest expense(806)(787)(19)2Â %Other268Â 725Â (457)(63)%Total other (expense) income (411)350Â $(761)** Percent change in excess of 100% not considered meaningful.Earnings from equity method investmentsEarnings from equity method investments for the three months ended September 30, 2024 represented cash distributions from Tinuum Group. Earnings from equity method investments for the three months ended September 30, 2023 represented cash distributions from both Tinuum Group and Tinuum Services. Tinuum Group continues to wind down their services into 2024. We do not expect further distributions from Tinuum Services as Tinuum Services has completed its wind-down.Interest expense Interest expense remained flat for the three months ended September 30, 2024 compared to the corresponding quarter in 2023.OtherThe decrease in Other for the three months ended September 30, 2024 as compared to the corresponding quarter in 2023 was primarily driven by a decrease in interest income of $0.4 million due to lower average balances in the Company's cash sweep accounts during the current quarter compared to the prior year quarter.Income tax expenseFor the three months ended September 30, 2024 and 2023, we had pretax income of $1.6 million and pretax loss of $2.2 million, respectively. For the three months ended September 30, 2024, we recorded no income tax expense as we expect to incur pretax loss for the year ending DecemberÂ 31, 2024. For the three months ended September 30, 2023, we recorded no income tax benefit for the pretax loss due to the recording of a full valuation allowance based on our forecast of pretax loss for the year ended December 31, 2023. Comparison of the Nine Months Ended September 30, 2024 and 2023Total Revenue and Cost of RevenueA summary of the components of our revenues and cost of revenue for the nine months ended September 30, 2024 and 2023 is as follows:Nine Months Ended September 30,Change(in thousands, except percentages)20242023($)(%)Revenue$81,919Â $71,079Â $10,840Â 15Â %Cost of revenue, exclusive of depreciation and amortization$52,279Â $53,218Â $(939)(2)%Revenue and Cost of revenueFor theÂ nine months ended September 30, 2024, revenueÂ increasedÂ from the comparable period in 2023 primarily driven by overall favorable product mix and higher pricing of approximately $5.4Â million and $3.9Â million, respectively. The increase from favorable product mix was primarily driven by sales to municipal water customers and a large non-power generation customer. These increases to revenue were partially offset by approximately $0.4Â million attributable to lower volumes sold. Product sale volumes were lower among power generation customers primarily due to lower natural gas prices compared to the same period in 2023, which contributed to decreased utilization of coal-fired generation and decreased demand for our products. The average Henry Hub natural gas spot prices ($/MMBtu) for the nine months ended September 30, 2024 and 2023 were $2.11 and $2.47, respectively. 25Gross margin, exclusive of depreciation and amortization, increased for the nine months ended September 30, 2024 compared to the corresponding period in 2023. The increase in gross margin was primarily due to favorable product mix and pricing as described above.Operating ExpensesA summary of the components of our operating expense for the nine months ended September 30, 2024 and 2023 is as follows:Nine Months Ended September 30,Change(in thousands, except percentages)20242023($)(%)Operating expenses:Selling, general and administrative$22,735Â $27,574Â $(4,839)(18)%Research and development3,341Â 2,145Â 1,196Â 56Â %Depreciation, amortization, depletion and accretion6,090Â 7,276Â (1,186)(16)%Gain on sale of assets(154)(2,695)2,541Â (94)%$32,012Â $34,300Â $(2,288)(7)%Selling, General and AdministrativeA summary of the components of selling, general and administrative expenses for the nine months ended September 30, 2024 and 2023, exclusive of cost of revenue items (presented above), is as follows:Nine Months Ended September 30,Change(in thousands, except percentages)20242023($)(%)Payroll and benefits$8,171Â $11,277Â $(3,106)(28)%Legal and professional fees4,436Â 7,950Â (3,514)(44)%General and administrative10,128Â 8,347Â 1,781Â 21Â %Total Selling, general and administrative$22,735Â $27,574Â $(4,839)(18)%Payroll and benefits Payroll and benefits decreased for the nine months ended September 30, 2024 compared to the corresponding period in 2023 primarily due to $1.1 million related to severance expense of former executives of Arq Limited and $1.0 million of severance related costs associated with the termination of an executive officer incurred during the nine months ended September 30, 2023, as well as decreased salaries and wages in the current year primarily from lower executive compensation, which was a result of personnel changes implemented in 2023.Legal and professional fees Legal and professional fees decreased for the nine months ended September 30, 2024 compared to the corresponding period in 2023 primarily from decreased consulting, legal, and accounting costs incurred related to the Arq Acquisition during the nine months ended September 30, 2023.General and administrative General and administrative expenses increased for the nine months ended September 30, 2024 compared to the corresponding period in 2023 by approximately $1.8 million, primarily due to increases in rent and occupancy expenses, franchise tax expenses, outside construction-related labor and license and fee expenses. Research and developmentResearch and development expenseÂ increased for the nine months ended September 30, 2024 compared to the corresponding period in 2023, primarily due to conducting product qualification testing with potential lead-adopters as part of our ongoing GAC contracting process, and increased research and development payroll costs.Depreciation, amortization, depletion and accretionDepreciation, amortization, depletion and accretion expense decreased by approximately $1.2 million for the nine months ended September 30, 2024 compared to the corresponding period in 2023, primarily due to increased absorption in inventory of $1.4 million, decreased amortization of leasehold improvements, customer relationships and developed technology of $0.5 million, and decreased depletion of $0.2 million, partially offset by increased depreciation expense, primarily related to Legacy Arq assets purchased in February 2023.26Gain on sale of assetsOn March 27, 2023, we completed the sale of all of our membership interests in Marshall Mine, LLC to a third party. During the nine months ended September 30, 2023, we recognized a gain of $2.7 million on the sale of Marshall Mine, LLC. Gain on sale of assets for the nine months ended September 30, 2024 was primarily due to a gain on the sale of equipment.Other Income (Expense), net A summary of the components of other income (expense), net for the nine months ended September 30, 2024 and 2023 is as follows:Nine Months Ended September 30,Change(in thousands, except percentages)20242023($)(%)Other (expense) income:Earnings from equity method investments$127Â $1,512Â $(1,385)(92)%Interest expense(2,426)(2,155)(271)13Â %Other931Â 1,510Â (579)(38)%Total other (expense) income $(1,368)$867Â $(2,235)** Percent change in excess of 100% not considered meaningful.Earnings from equity method investmentsEarnings from equity method investments for the nine months ended September 30, 2024 represented cash distributions from Tinuum Group. During the nine months ended September 30, 2023, the amount represented cash distributions from both Tinuum Group and Tinuum Services. Tinuum Group continues to wind down their services into 2024. We do not expect further distributions from Tinuum Services as Tinuum Services has completed its wind-down.Interest expense Interest expense increased for the nine months ended September 30, 2024 compared to the corresponding period in 2023 primarily due to higher interest expense of $0.3 million related to the CFG Loan incurred for the nine months ended September 30, 2024. This increase was due to a higher principal balance from the accrual of interest payable upon the termination date of the CFG Loan.OtherThe decrease in Other for the nine months ended September 30, 2024 was primarily driven by a decrease in interest income of $0.5 million due to lower balances in the Company's cash sweep accounts during the current period compared to the prior year period.Income tax expenseFor the nine months ended September 30, 2024 and 2023, we had pretax losses of $3.7 million and $15.6 million, respectively, and recorded no income tax benefit for the pretax losses due to the recording of a full valuation allowance based on our forecast of pretax losses for the year ending December 31, 2024 and the year ended December 31, 2023. For the nine months ended September 30, 2024, we recorded out of period state income tax expense related to a state assessment.27Non-GAAP Financial MeasuresTo supplement our financial information presented in accordance with U.S. Generally Accepted Accounting Principles ("U.S. GAAP"), we provide certain supplemental financial measures, including EBITDA and Adjusted EBITDA, which are measurements that are not calculated in accordance with U.S. GAAP. EBITDA is defined as earnings before interest, taxes, depreciation and amortization, and Adjusted EBITDA is defined as EBITDA reduced by the non-cash impact of equity earnings from equity method investments and other non-cash gains,

increased by cash distributions from equity method investments, other non-cash losses and non-recurring costs and fees. EBITDA and Adjusted EBITDA should be considered in addition to, and not as a substitute for, net income (loss) in accordance with U.S. GAAP as a measure of performance. See below for a reconciliation from net income (loss), the nearest U.S. GAAP financial measure, to EBITDA and Adjusted EBITDA.We believe that the EBITDA and Adjusted EBITDA measures are less susceptible to variances that affect the Company's operating performance. We include these non-GAAP measures because management uses them in the evaluation of our operating performance, and believe they help to facilitate comparison of operating results between periods. We believe the non-GAAP measures provide useful information to both management and users of the financial statements by excluding certain expenses, gains, and losses which can vary widely across different industries or among companies within the same industry and may not be indicative of core operating results and business outlook.EBITDA and Adjusted EBITDA:The following table reconciles net income (loss), our most directly comparable as-reported financial measure calculated in accordance with U.S. GAAP, to EBITDA (loss) and Adjusted EBITDA (loss).
Three Months Ended September 30,Nine Months Ended September 30,(in thousands)2024202320242023Net income (loss) (1)$1,617Â $(2,175)$(3,770)$(15,539)Depreciation, amortization, depletion and accretion2,716Â 2,711Â 6,090Â 7,276Â Amortization of Upfront Customer Consideration127Â 127Â 381Â 381Â Interest expense, net600Â 224Â 1,638Â 822Â Income tax expense (benefit)â€”Â â€”Â 30Â (33)EBITDA (loss)5,060Â 887Â 4,369Â (7,093)Cash distributions from equity method investees127Â 412Â 127Â 1,512Â Equity earnings(127)(412)(127)(1,512)Gain on sale of assets(154)â€”Â (154)(2,695)Financing costs228Â â€”Â 228Â â€”Â Adjusted EBITDA (loss)$5,134Â $887Â $4,443Â $(9,788)(1) Included in Net loss for the three and nine months ended September 30, 2023 are zero and $4.9 million, respectively of transaction and integration costs incurred related to the Arq Acquisition. Additionally, for the three and nine months ended September 30, 2023, Net loss included $2.5 million and $4.2 million of Legacy Arq payroll and benefit costs. Further included in Net Loss for the three and nine months ended September 30, 2023 is $1.3 million of severance expense related to two executive employees.28Liquidity and Capital Resources Current Resources and Factors Affecting Our LiquidityAs of SeptemberÂ 30, 2024, our principal sources of liquidity included:â€¢cash on hand of $48.7 million, excluding $8.7 million of restricted cash, including net proceeds received from issuance and sale of our common stock of $42.4 million in the current year; andâ€¢cash from operations.As of SeptemberÂ 30, 2024, our principal uses of liquidity included:â€¢capital expenditures, including those related to the Red River Plant expansion and commissioning of the Corbin Facility;â€¢our business operating expenses;â€¢payments on our lease obligations; andâ€¢payments on our debt obligations.Cash FlowsNine Months Ended September 30, 2024 vs. Nine Months Ended September 30, 2023 Cash and restricted cash increased from $54.2 million as of DecemberÂ 31, 2023 to $57.4 million as of SeptemberÂ 30, 2024. The following table summarizes our cash flows for the nine months ended September 30, 2024 and 2023, respectively:Â Nine Months Ended September 30,(in thousands)20242023ChangeCash and restricted cash provided by (used in):Operating activities$5,268Â $(21,145)$26,413Â Investing activities(42,100)(17,304)(24,796)Financing activities40,059Â 23,338Â 16,721Â Net change in cash and restricted cash$3,227Â $(15,111)$18,338Â Cash flow from operating activitiesCash flow from operating activities for the nine months ended September 30, 2024 were $5.3 million and represented a net increase ofÂ $26.4 millionÂ from cash used in operating activities for the nine months ended September 30, 2023 of $21.1 million. The net increase was primarily attributable to a decrease in cash payments on accounts payable and accrued expenses of $9.4 million, primarily due to payments made in 2023 of Legacy Arq assumed liabilities, comprised of accrued employee-related compensation and accrued transaction costs related to the Arq Acquisition in 2023; a decrease in net loss of $11.8 million; and a decrease in non-cash items primarily from a gain of $2.7 million recognized from the sale of Marshall Mine, LLC for the nine months ended September 30, 2023.Cash flow from investing activitiesCash flows used in investing activities increased for the nine months ended September 30, 2024 compared to the nine months ended September 30, 2023 increased by $24.8 million primarily as a result of an increase in property, plant and equipment additions of $25.2 million from construction activities related to the expansion of our Red River Plant; $2.2 million of cash acquired in the Arq Acquisition during the prior year; and a decrease in distributions from equity earnings in excess of cumulative earnings of $1.4 million. Partially offsetting the net increase in cash flows used in investing activities were a cash payment of $2.2 million made in the prior year required in the sale of Marshall Mine, LLC, a decrease in expenditures on mine development costs of $1.7 million, and cash received in 2024 of $0.2 million from the sale of equipment.Cash flow from financing activities Cash flows provided by financing activities for the nine months ended September 30, 2024 compared to the nine months ended September 30, 2023 increased by $16.7 million primarily due to proceeds of $42.4 million, net of offering costs, we received related to issuance and sale of our common stock in both the Public Offering and the Private Placement, including $0.8Â million received in April 2024 pursuant to a subscription agreement between the Company and its CEO executed in July 2023. During the nine months ended September 30, 2023, cash flows from financing activities included the receipt of proceeds of $15.2 million, net, from the PIPE Investment and proceeds from the CFG Loan of $8.5 million, net of debt issuance costs paid. 29Material Cash RequirementsOur ability to continue to generate sufficient cash flow required to meet ongoing operational needs and obligations depends upon several factors. These include executing on our contracts and initiatives and increasing our share of the market for APT consumables, including expanding our overall AC business into additional adjacent markets and increasing our gross margin by improving our customer and product mix. We expect that our cash on hand as of SeptemberÂ 30, 2024 and proceeds from additional debt financing, if needed, will provide sufficient liquidity to fund operations for the next 12 months while maintaining the cadence of our capital expenditures.Capital expendituresWe have targeted the first quarter of 2025 for our first GAC deliveries. To meet this target, we need to incur substantial capital spend for additional equipment, labor, and project costs. We expect to finance the timely completion of the project with cash on hand, cash generation from operations, ongoing cost reduction initiatives, potential customer prepayments for GAC contracts, and an anticipated refinancing and expansion of the CFG Loan.During 2024, we expect to spend between $60 and $70 million on construction and commissioning of our plants, depending on the pace of the project. Capital expenditures planned for 2024 are dependent on many factors, which may impact the timing and amount of capital expenditures, with $20 to $25 million expected to be spent in the fourth quarter of 2024.Surety BondsAs of SeptemberÂ 30, 2024, we had outstanding surety bonds with regulatory commissions totaling $11.2Â million primarily related to the Five Forks Mine and the Corbin Facility. As of SeptemberÂ 30, 2024, and as required by our surety bond provider, we held restricted cash of $8.5 million pledged as collateral related to performance requirements required under a reclamation contract for the Five Forks Mine and the Corbin Facility. We expect that the obligations secured by these surety bonds will be performed in the ordinary course of business and in accordance with the applicable contractual terms. To the extent that the obligations are performed, the related surety bonds may be released and collateral requirements may be reduced. However, in the event any surety bond is called, our indemnity obligations could require us to reimburse the surety bond provider.Long Term RequirementsFor a discussion of our long-term cash requirements, which relate primarily to our obligations under the CFG Loan and CTB Loan, see Note 5 of the Condensed Consolidated Financial Statements included in Item 1 of this Quarterly Report.Critical Accounting Policies and EstimatesOur critical accounting policies and estimates have not changed from those reported in Part II, Item 7 - "Management's Discussion and Analysis of Financial Condition and Results of Operations" in the 2023 Form 10-K. Recently Issued Accounting StandardsRefer to Note 1 of the Condensed Consolidated Financial Statements included in Item 1 of this Quarterly Report for information regarding recently issued accounting standards applicable to us.Forward-Looking Statements Found in this Quarterly Report This Quarterly Report contains forward-looking statements within the meaning of SectionÂ 27A of the Securities Act of 1933, as amended (the "Securities Act") and SectionÂ 21E of the Securities Exchange Act of 1934, as amended (the "Exchange Act") that involve risks and uncertainties. Words or phrases such as "anticipates," "believes," "expects," "intends," "plans," "estimates," "predicts," the negative expressions of such words, or similar expressions are used in this Quarterly Report to identify forward-looking statements, and such forward-looking statements include, but are not limited to, statements or expectations regarding: (a)the anticipated effects from an increase in pricing of our AC products;(b)the anticipated effects from an increase in costs of our AC products and related cost increases in supply and logistics; (c)expected supply and demand for our AC products and services;(d)the ability to successfully integrate Legacy Arq's business;(e)the ability to develop and utilize Legacy Arqâ€™s products and technology and the anticipated timing for bringing such products to market;(f)the ability to make Legacy Arq's products commercially viable;(g)the expected future demand of Legacy Arq's products;30(h)future level of research and development activities;(i)future plant capacity expansions and site development projects, including the GAC facility at our Red River Plant;(j)the effectiveness of our technologies and the benefits they provide;(k)the timing of awards of, and work and related testing under, our contracts and agreements and their value;(l)the timing and amounts of, or changes in, future revenues, funding for our business and projects, margins, expenses, earnings, tax rates, cash flows, working capital, liquidity and other financial and accounting measures;(m)the performance of obligations secured by our surety bonds;(n)the amount and timing of future capital expenditures needed for our business plan;(o)the amount, timing, and favorability of terms related to additional required financing;(p)the adoption and scope of regulations to control certain chemicals in drinking water and other environmental concerns;(q)opportunities to effectively provide solutions to U.S. coal-related businesses to comply with regulations, improve efficiency, lower costs and maintain reliability; and(r)the impact of prices of competing power generation sources such as natural gas and renewable energy on demand for our products.The forward-looking statements included in this Quarterly Report involve risks and uncertainties. Actual events or results could differ materially from those discussed in the forward-looking statements as a result of various factors including, but not limited to, timing and scope of new and pending regulations and any legal challenges to or extensions of compliance dates of them; the U.S. governmentâ€™s failure to promulgate regulations that benefit our business; changes in laws and regulations, accounting rules, prices, economic conditions and market demand; impact of competition; availability, cost of and demand for alternative energy sources and other technologies; technical, start up and operational difficulties; competition within the industries in which we operate; our inability to commercialize our products on favorable terms; our inability to effectively and efficiently commercialize new products; changes in construction costs or availability of construction materials; our inability to effectively manage construction and startup of the GAC facility at our Red River Plant or Corbin Facility; our inability to obtain required financing or financing on terms that are favorable to us; our inability to ramp up our operations to effectively address recent and expected growth in our business; loss of key personnel; ongoing effects of inflation and macroeconomic uncertainty, including from the ongoing armed conflicts around the world, and such uncertainty's effect on market demand and input costs; availability of materials and equipment for our business; intellectual property infringement claims from third parties; pending litigation; other factors relating to our business strategy, goals and expectations concerning the Arq Acquisition (including future operations, future performance or results); our ability to maintain relationships with customers, suppliers and others with whom we do business and meet supply requirements, or our results of operations and business generally; risks related to diverting management's attention from our ongoing business operations; costs related to the Arq Acquisition; opportunities for additional sales of our AC products and end-market diversification; our ability to meet customer supply requirements; the rate of coal-fired power generation in the U.S.; the timing and cost of capital expenditures and the resultant impact to our liquidity and cash flows; and the other risk factors described in our other filings with the SEC, including the 2023 Form 10-K. You are cautioned not to place undue reliance on the forward-looking statements made in this Quarterly Report and to consult filings we have made and will make with the SEC for additional discussion concerning risks and uncertainties that may apply to our business and the ownership of our securities. The forward-looking statements contained in this Quarterly Report are presented as of the date hereof, and we disclaim any duty to update such statements unless required by law.ItemÂ 3. Quantitative and Qualitative Disclosures about Market RiskThe information under this Item is not required to be provided by smaller reporting companies.31ItemÂ 4. Controls and ProceduresEvaluation of Disclosure Controls and ProceduresAs required by Rule 13aâ€‘15(b) under the Exchange Act, we have evaluated, under the supervision of and with the participation of our management, including our principal executive officer and principal financial officer, the effectiveness of the design and operation of our disclosure controls and procedures (as defined in Rules 13aâ€‘15(e) and 15dâ€‘15(e) under the Exchange Act) as of the end of the period covered by this report. Our disclosure controls and procedures are designed to ensure that information required to be disclosed in the reports that we file or submit under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the SECâ€™s rules and forms. Based upon this evaluation, our principal executive officer and principal financial officer concluded that our disclosure controls and procedures were effective as of SeptemberÂ 30, 2024.Changes in Internal Control Over Financial ReportingOn February 1, 2023, we acquired Legacy Arq and, as permitted by Securities and Exchange Commission Staff interpretative guidance for newly acquired businesses, management excluded Legacy Arq from our assessment of internal control over financial reporting as of December 31, 2023. We are in the process of documenting and testing Legacy Arq's internal controls over financial reporting and will incorporate Legacy Arq into our annual report on internal control over financial reporting for the year ending December 31, 2024.There have been no changes in our internal control over financial reporting (as defined in Rules 13aâ€‘15(f) and 15dâ€‘15(f) under the Exchange Act) during the fiscal quarter ended SeptemberÂ 30, 2024 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting. 32PART II. OTHER INFORMATIONItemÂ 1. Legal ProceedingsFrom time to time, we are involved in litigation, claims and other proceedings related to the conduct of our business. Information with respect to this item may be found in Note 7 "Commitments and Contingencies" to the Condensed Consolidated Financial Statements included in Item 1 of Part I of this Quarterly Report.ItemÂ 1A. Risk FactorsThere have been no material updates to our risk factors as disclosed in the 2023 Form 10-K.ItemÂ 2. Unregistered Sales of Equity Securities and Use of ProceedsShare RepurchasesWe maintain a program to repurchase up to $20.0 million of shares of our common stock under a stock repurchase program through open market transactions at prevailing market prices, of which $7.0 million remained available as of SeptemberÂ 30, 2024. No repurchases were made during the three months ended September 30, 2024.Tax WithholdingThe following table contains information about common shares that we withheld from delivering to employees during the third quarter of 2024 to satisfy their respective tax obligations related to stock-based awards.
PeriodTotal Number of Common Shares PurchasedAverage PricePaid perCommon ShareTotal Number of Common Shares Purchased as Part of Publicly Announced Plans or ProgramsMaximum Number (or Dollar Value) of Common Shares that May Yet Be Purchased Under the Plans or ProgramsJuly 1 to July 31, 202426,878Â $5.46Â N/AN/AAugust 1 to August 31, 2024â€”Â $â€”Â N/AN/ASeptember 1 to September 30, 20242,029Â $6.11Â N/AN/AItemÂ 4. Mine Safety DisclosuresThe information concerning mine safety violations or other regulatory matters required by SectionÂ 1503(a)Â of the Dodd-Frank Wall Street Reform and Consumer Protection Act and ItemÂ 104 of RegulationÂ S-K (17 CFR 229.104) is included in ExhibitÂ 95.1 to this Quarterly Report.Item 5. Other InformationDuring the three months ended September 30, 2024, no director or officer of the Company adopted or terminated a Rule 10b5-1 trading arrangement or non-Rule 10b5-1 trading arrangement, as each term is defined in Item 408(a) of Regulation S-K.33ItemÂ 6. Exhibits
Exhibit No.DescriptionFormFile No.Incorporated by ReferenceÂ ExhibitFiling Date3.1Amended and Restated Bylaws of Arq, Inc., as amended10-Q001-378223.1May 8, 20243.2Second Amended and Restated Certificate of Incorporation of Advanced Emissions Solutions, Inc.10-Q000-549923.1August 9, 20133.3Certificate of Amendment to the Amended and Restated Certificate of Incorporation, effective February 1, 20248-K001-378223.1January 31, 20243.4Certificate of Designations of Series A Preferred Stock8-K001-378223.1February 1, 20233.5Certificate of Designation, Preferences, and Rights of Series B Junior Participating Preferred Stock of Advanced Emissions Solutions, Inc.8-K001-378223.1May 8, 201710.1Underwriting Agreement, dated September 20, 2024, by and between the Company and Canaccord Genuity LLC as representative of the underwriters named therein.8-K001-378221.1September 20, 202431.1Certification of Principal Executive Officer of Arq, Inc. Pursuant to 17 CFR 240.13a-14(a) or 17 CFR 240.15d-14(a)*31.2Certification of Principal Financial Officer of Arq, Inc. Pursuant to 17 CFR 240.13a-14(a) or 17 CFR 240.15d-14(a)*32.1Certification of Principal Executive Officer and Principal Financial Officer of Arq, Inc. Pursuant to 18 U.S.C Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002*95.1Mine Safety Disclosure Exhibit*101.SCHXBRL Schema Document*101.CALXBRL Calculation Linkbase Document*101.LABXBRL Label Linkbase Document*101.PREXBRL Presentation Linkbase Document*101.DEFTaxonomy Extension Definition Linkbase Document*104Cover Page Interactive Data File (formatted as Inline XBRL and contained in Exhibit 101)*Notes:*Â Â Â Â Filed herewith. Filings for the Company were made under the name ADA-ES, Inc. (File No. 000-50216) prior to July 1, 2013, the effective date of our reorganization, and under the name Advanced Emissions Solutions, Inc. (File No. 000-54992) starting on July 1, 2013. Filings for the Company were made under the name Advanced Emissions Solutions, Inc. (File No. 001-37822) starting on July 6, 2016. On February 1, 2024, the Company changed its name to Arq, Inc.34SIGNATURESPursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.Arq, Inc.(Registrant)November 7, 2024By:/s/ Robert RasmusRobert RasmusChief Executive Officer(Principal Executive Officer)November 7, 2024By:/s/ Stacia HansenStacia HansenChief Accounting Officer(Principal Financial Officer)Â Â 35 EX-31.1 2 exhibit31120240930-10q.htm EX-31.1 DocumentExhibit 31.1Pursuant to Rules 13a-14(a) and 15d-14(a) of the Securities Exchange Act of 1934, as AmendedI, Robert Rasmus, certify that:1. I have reviewed this Quarterly Report on Form 10-Q of Arq, Inc.;2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and

cash flows of the registrant as of, and for, the periods presented in this report;4. The registrantâ€™s other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:(a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;(b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;(c) Evaluated the effectiveness of the registrantâ€™s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and(d) Disclosed in this report any change in the registrantâ€™s internal control over financial reporting that occurred during the registrantâ€™s most recent fiscal quarter (the registrantâ€™s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrantâ€™s internal control over financial reporting; and5. The registrantâ€™s other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrantâ€™s auditors and the audit committee of the registrantâ€™s board of directors (or persons performing the equivalent functions):(a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrantâ€™s ability to record, process, summarize and report financial information; and(b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrantâ€™s internal control over financial reporting.Date: NovemberÂ 7, 2024 Â /s/ Robert RasmusRobert RasmusChief Executive Officer(Principal Executive Officer) EX-31.2 3 exhibit31220240930-10q.htm EX-31.2 DocumentExhibit 31.2Pursuant to Rules 13a-14(a) and 15d-14(a) of the Securities Exchange Act of 1934, as AmendedI, Stacia Hansen, certify that:1. I have reviewed this Quarterly Report on Form 10-Q of Arq, Inc.;2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;4. The registrantâ€™s other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:(a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;(b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;(c) Evaluated the effectiveness of the registrantâ€™s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and(d) Disclosed in this report any change in the registrantâ€™s internal control over financial reporting that occurred during the registrantâ€™s most recent fiscal quarter (the registrantâ€™s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrantâ€™s internal control over financial reporting; and5. The registrantâ€™s other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrantâ€™s auditors and the audit committee of the registrantâ€™s board of directors (or persons performing the equivalent functions):(a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrantâ€™s ability to record, process, summarize and report financial information; and(b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrantâ€™s internal control over financial reporting.Date: NovemberÂ 7, 2024 Â /s/ Stacia HansenStacia HansenChief Accounting Officer(Principal Financial Officer) EX-32.1 4 exhibit32120240930-10q.htm EX-32.1 DocumentExhibit 32.1Certification Pursuant to 18 U.S.C. SectionÂ 1350, as Adopted Pursuant to SectionÂ 906 of the Sarbanes-Oxley Act of 2002In connection with the Quarterly Report on Form 10-Q of Arq, Inc. (the "Company") for the quarterly period ended SeptemberÂ 30, 2024, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), Robert Rasmus, as the Principal Executive Officer of the Company, and Stacia Hansen, as the Principal Financial Officer of the Company, each hereby certifies, pursuant to and solely for the purpose of 18 U.S.C. Â§1350, as adopted pursuant to Â§906 of the Sarbanes-Oxley Act of 2002, to the best of their knowledge and belief, that:(1) the Report fully complies with the requirements of SectionÂ 13(a) or 15(d) of the Securities Exchange Act of 1934; and(2) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company./s/ Robert RasmusRobert RasmusChief Executive OfficerNovember 7, 2024/s/ Stacia HansenStacia HansenChief Accounting OfficerNovember 7, 2024 EX-95.1 5 exhibit951minesafetyq32024.htm EX-95.1 DocumentEXHIBIT 95.1Mine Safety and Health Administration Safety DataWe are committed to maintaining a safe work environment and working to ensure environmental compliance across all of our operations. The health and safety of our employees and limiting the impact to communities in which we operate are critical to our long-term success. We employ practices and conduct training to help ensure that our employees work safely. Furthermore, we utilize processes for managing, monitoring and improving safety and environmental performance.The following disclosures are provided pursuant to Securities and Exchange Commission (SEC) regulations, which require certain disclosures by companies required to file periodic reports under the Securities Exchange Act of 1934, as amended, that operate coal mines regulated under the Federal Mine Safety and Health Act of 1977 (the "Mine Act"). The disclosures reflect United States (U.S.) mining operations only.Mine Safety Information. Whenever the Mine Safety and Health Administration (MSHA) believes that a violation of the Mine Act, any health or safety standard, or any regulation has occurred, it may issue a violation which describes the associated condition or practice and designates a time frame within which the operator must abate the violation. In some situations, such as when MSHA believes that conditions pose a hazard to miners, MSHA may issue an order removing miners from the area of the mine affected by the condition until hazards are corrected. Whenever MSHA issues a citation or order, it generally proposes a civil penalty, or fine, as a result of the violation that the operator is ordered to pay. Citations and orders can be contested and appealed and, as part of that process, are often reduced in severity and amount, and are sometimes vacated. The number of citations, orders and proposed assessments vary depending on the size and type (underground or surface) of the company and mine. We are required to report citations and orders issued to us by MSHA during the three months ended September 30, 2024, as reflected in our systems. Our required disclosure covers only those mines that were issued orders or citations during the period presented and, commensurate with SEC regulations, does not reflect orders or citations issued to independent contractors working at our mines. Due to timing and other factors, our data may not agree with the mine data retrieval system maintained by MSHA. The proposed assessments for the three months ended September 30, 2024 were taken from the MSHA system as of November 4, 2024.Additional information about MSHA references we are required to report is as follows:â€¢Section 104 S&S Violations: The total number of violations received from MSHA under section 104(a) of the Mine Act that could significantly and substantially contribute to a serious injury if left unabated.â€¢Section 104(b)Orders: The total number of orders issued by MSHA under section 104(b) of the Mine Act, which represents a failure to abate a citation under section 104(a) within the period of time prescribed by MSHA. This results in an order of immediate withdrawal from the area of the mine affected by the condition until MSHA determines that the violation has been abated.â€¢Section 104(d) Citations and Orders: The total number of citations and orders issued by MSHA under section 104(d) of the Mine Act for unwarrantable failure to comply with mandatory health or safety standards.â€¢Section 104(e) Notices: The total number of notices issued by MSHA under section 104(e) of the Mine Act for a pattern of violations that could contribute to mine health or safety hazards.â€¢Section 110(b)(2)Violations: The total number of flagrant violations issued by MSHA under section 110(b)(2) of the Mine Act. â€¢Section 107(a) Orders: The total number of orders issued by MSHA under section 107(a) of the Mine Act for situations in which MSHA determined an imminent danger existed. â€¢Proposed MSHA Assessments: The total dollar value of proposed assessments from MSHA. â€¢Fatalities: The total number of mining-related fatalities.Our first mine is located in the Gulf Coast Lignite Region, in Natchitoches Parish, Louisiana (the "Five Forks Mine"). For the three months ended September 30, 2024, there were no reportable citations or orders issued to the Five Forks Mine. Our second mine is located in Knox, Kentucky ("Corbin Project"). For the three months ended September 30, 2024, there were no reportable citations or orders issued to Corbin Project. Our third mine is located in Mingo, West Virginia ("Mine Four"). For the three months ended September 30, 2024, there were no reportable citations or orders issued to Mine Four.Pending Legal Actions. The Federal Mine Safety and Health Review Commission (the Commission) is an independent adjudicative agency that provides administrative trial and appellate review of legal disputes arising under the Mine Act. These cases may involve, among other questions, challenges by operators to citations, orders and penalties they have received from MSHA, or complaints of discrimination by miners under section 105 of the Mine Act. The following is a brief description of the types of legal actions that may be brought before the Commission. â€¢Contests of Citations and Orders: A contest proceeding may be filed with the Commission by operators, miners or minersâ€™ representatives to challenge the issuance of a citation or order issued by MSHA, including citations related to disputed provisions of operators' emergency response plans. â€¢Contests of Proposed Penalties (Petitions for Assessment of Penalties): A contest of a proposed penalty is an administrative proceeding before the Commission challenging a civil penalty that MSHA has proposed for the violation. Such proceedings may also involve appeals of judges' decisions or orders to the Commission on proposed penalties, including petitions for discretionary review and review by the Commission on its own motion. â€¢Complaints for Compensation: A complaint for compensation may be filed with the Commission by miners entitled to compensation when a mine is closed by certain withdrawal orders issued by MSHA. The purpose of the proceeding is to determine the amount of compensation, if any, due miners idled by the orders. â€¢Complaints of Discharge, Discrimination or Interference: A discrimination proceeding is a case that involves a minerâ€™s allegation that he or she has suffered a wrong by the operator because he or she engaged in some type of activity protected under the Mine Act, such as making a safety complaint. This category includes temporary reinstatement proceedings, which involve cases in which a miner has filed a complaint with MSHA stating he or she has suffered discrimination and the miner has lost his or her position. â€¢Applications for Temporary Relief: An application for temporary relief from any modification or termination of any order or from any order issued under certain subparts of section 104 of the Mine Act may be filed with the Commission at any time before such order becomes final.â€¢Appeals of Judges' Decisions or Orders.For the three months ended September 30, 2024, there were no pending or legal actions before the Commission at Five Forks Mine, Corbin Project or Mine Four. EX-101.SCH 6 ades-20240930.xsd XBRL TAXONOMY EXTENSION SCHEMA DOCUMENT 0000001 - Document - Cover Page link:presentationLink link:calculationLink link:definitionLink 9952151 - Statement - Condensed Consolidated Balance Sheets link:presentationLink link:calculationLink link:definitionLink 9952152 - Statement - Condensed Consolidated Balance Sheets (Parenthetical) link:presentationLink link:calculationLink link:definitionLink 9952153 - Statement - Condensed Consolidated Statements of Operations link:presentationLink link:calculationLink link:definitionLink 9952154 - Statement - Condensed Consolidated Statements of Changes in Stockholders' Equity link:presentationLink link:calculationLink link:definitionLink 9952155 - Statement - Condensed Consolidated Statements of Cash Flows link:presentationLink link:calculationLink link:definitionLink 9952156 - Disclosure - Organization and Basis of Presentation link:presentationLink link:calculationLink link:definitionLink 9952157 - Disclosure - Arq Acquisition link:presentationLink link:calculationLink link:definitionLink 9952158 - Disclosure - Revenues link:presentationLink link:calculationLink link:definitionLink 9952159 - Disclosure - Inventories, net link:presentationLink link:calculationLink link:definitionLink 9952160 - Disclosure - Debt Obligations link:presentationLink link:calculationLink link:definitionLink 9952161 - Disclosure - Leases link:presentationLink link:calculationLink link:definitionLink 9952162 - Disclosure - Commitments and Contingencies link:presentationLink link:calculationLink link:definitionLink 9952163 - Disclosure - Supplemental Financial Information link:presentationLink link:calculationLink link:definitionLink 9952164 - Disclosure - Stockholders' Equity link:presentationLink link:calculationLink link:definitionLink 9952165 - Disclosure - Stock-Based Compensation link:presentationLink link:calculationLink link:definitionLink 9952166 - Disclosure - Income Taxes link:presentationLink link:calculationLink link:definitionLink 9952167 - Disclosure - Marshall Mine link:presentationLink link:calculationLink link:definitionLink 9952168 - Disclosure - Subsequent Events link:presentationLink link:calculationLink link:definitionLink 9954471 - Disclosure - Organization and Basis of Presentation (Policies) link:presentationLink link:calculationLink link:definitionLink 9954472 - Disclosure - Organization and Basis of Presentation (Tables) link:presentationLink link:calculationLink link:definitionLink 9954473 - Disclosure - Arq Acquisition (Tables) link:presentationLink link:calculationLink link:definitionLink 9954474 - Disclosure - Revenues (Tables) link:presentationLink link:calculationLink link:definitionLink 9954475 - Disclosure - Inventories, net (Tables) link:presentationLink link:calculationLink link:definitionLink 9954476 - Disclosure - Debt Obligations (Tables) link:presentationLink link:calculationLink link:definitionLink 9954477 - Disclosure - Leases (Tables) link:presentationLink link:calculationLink link:definitionLink 9954478 - Disclosure - Supplemental Financial Information (Tables) link:presentationLink link:calculationLink link:definitionLink 9954479 - Disclosure - Stock-Based Compensation (Tables) link:presentationLink link:calculationLink link:definitionLink 9954480 - Disclosure - Income Taxes (Tables) link:presentationLink link:calculationLink link:definitionLink 9954481 - Disclosure - Organization and Basis of Presentation - Schedule of Calculations of Basic and Diluted Loss Per Share (Details) link:presentationLink link:calculationLink link:definitionLink 9954482 - Disclosure - Organization and Basis of Presentation - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954483 - Disclosure - Arq Acquisition - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954484 - Disclosure - Arq Acquisition - Schedule of Final Purchase Price Allocation to the Assets Acquired and Liabilities Assumed (Details) link:presentationLink link:calculationLink link:definitionLink 9954485 - Disclosure - Arq Acquisition - Schedule of Pro Forma Revenues (Details) link:presentationLink link:calculationLink link:definitionLink 9954486 - Disclosure - Revenues - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954487 - Disclosure - Revenues - Schedule of Accounts Receivables (Details) link:presentationLink link:calculationLink link:definitionLink 9954488 - Disclosure - Inventories, net (Details) link:presentationLink link:calculationLink link:definitionLink 9954489 - Disclosure - Debt Obligations - Schedule of Debt (Details) link:presentationLink link:calculationLink link:definitionLink 9954489 - Disclosure - Debt Obligations - Schedule of Debt (Details) link:presentationLink link:calculationLink link:definitionLink 9954490 - Disclosure - Debt Obligations - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954491 - Disclosure - Leases - Schedule of Operating and Finance Lease Right-Of-Use ("ROU") Assets and Liabilities (Details) link:presentationLink link:calculationLink link:definitionLink 9954492 - Disclosure - Leases - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954493 - Disclosure - Leases - Schedule of Lease Liabilities (Details) link:presentationLink link:calculationLink link:definitionLink 9954494 - Disclosure - Commitments and Contingencies (Details) link:presentationLink link:calculationLink link:definitionLink 9954495 - Disclosure - Supplemental Financial Information - Schedule of Other Long Term Assets (Details) link:presentationLink link:calculationLink link:definitionLink 9954496 - Disclosure - Supplemental Financial Information - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954497 - Disclosure - Supplemental Financial Information - Schedule of Other Liabilities (Details) link:presentationLink link:calculationLink link:definitionLink 9954498 - Disclosure - Supplemental Financial Information - Schedule of Change in Asset Retirement Obligation (Details) link:presentationLink link:calculationLink link:definitionLink 9954499 - Disclosure - Stockholders' Equity (Details) link:presentationLink link:calculationLink link:definitionLink 9954500 - Disclosure - Stock-Based Compensation - Schedule of Allocation of Compensation Expense (Details) link:presentationLink link:calculationLink link:definitionLink 9954501 - Disclosure - Stock-Based Compensation - Schedule of Unrecognized Compensation Cost (Details) link:presentationLink link:calculationLink link:definitionLink 9954502 - Disclosure - Stock-Based Compensation - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954503 - Disclosure - Stock-Based Compensation - Schedule of Restricted Stock Activity (Details) link:presentationLink link:calculationLink link:definitionLink 9954504 - Disclosure - Stock-Based Compensation - Schedule of Performance Shares Units (Details) link:presentationLink link:calculationLink link:definitionLink 9954505 - Disclosure - Stock-Based Compensation - Summary of Option Activity (Details) link:presentationLink link:calculationLink link:definitionLink 9954506 - Disclosure - Income Taxes - Schedule of Income Tax Expense and Effective Tax Rates (Details) link:presentationLink link:calculationLink link:definitionLink 9954507 - Disclosure - Income Taxes - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954508 - Disclosure - Marshall Mine (Details) link:presentationLink link:calculationLink link:definitionLink EX-101.CAL 7 ades-20240930_cal.xml XBRL TAXONOMY EXTENSION CALCULATION LINKBASE DOCUMENT EX-101.DEF 8 ades-20240930_def.xml XBRL TAXONOMY EXTENSION DEFINITION LINKBASE DOCUMENT EX-101.LAB 9 ades-20240930_lab.xml XBRL TAXONOMY EXTENSION LABEL LINKBASE DOCUMENT Liabilities settled

Liabilities settled Asset Retirement Obligation, Liabilities Settled Business acquisition, issued number of shares issuable, value Business Acquisition, Equity Interest Issued or Issuable, Value Assigned Options vested, weighted average remaining contractual term (in years) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested and Expected to Vest, Outstanding, Weighted Average Remaining Contractual Term Prepaid income taxes and income tax refunds Prepaid Taxes Triggering Event [Domain] Triggering Event [Domain] Triggering Event Adjustments to reconcile net loss to net cash provided by (used in) operating activities: Adjustments to Reconcile Net Income (Loss) to Cash Provided by (Used in) Operating Activities [Abstract] Statistical Measurement [Domain] Statistical Measurement [Domain] Remaining authorized amount Share Repurchase Program, Remaining Authorized, Amount Long-term debt Long-Term Debt and Lease Obligation, Including Current Maturities Schedule of Operating and Finance Lease Right-Of-Use ("ROU") Assets and Liabilities Lease, Cost [Table Text Block] Schedule of Other Long Term Assets Deferred Costs, Capitalized, Prepaid, and Other Assets Disclosure [Table Text Block] Cover [Abstract] Cover [Abstract] Other Other Long-term Liabilities Other Long-term Liabilities Increase (decrease) in Cash and Restricted Cash Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect Current portion of debt obligations Notes Payable, Current Other current liabilities Total other current liabilities Other Liabilities, Current Trading Symbol Trading Symbol Ownership interest, percent (as percent) Equity Method Investment, Ownership Percentage All Trading Arrangements All Trading Arrangements [Member] Compensation Actually Paid vs. Net Income Compensation Actually Paid vs. Net Income [Text Block] Non-NEOs Non-NEOs [Member] Schedule of Calculations of Basic and Diluted Loss Per Share Schedule of Earnings Per Share, Basic and Diluted [Table Text Block] Vesting period (in years) Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Period Debt instrument, floor rate percentage Debt Instrument, Floor Rate Percentage Debt Instrument, Floor Rate Percentage Rule 10b5-1 Arrangement Adopted Rule 10b5-1 Arrangement Adopted [Flag] Awards Close in Time to MNPI Disclosures Awards Close in Time to MNPI Disclosures [Table] Other Commitments [Line Items] Other Commitments [Line Items] Equity percentage Debt Instrument, Convertible, Conversion Ratio Schedule of Allocation of Compensation Expense Share-Based Payment Arrangement, Cost by Plan [Table Text Block] Disposal Group Name [Domain] Disposal Group Name [Domain] Equity method investments Equity Method Investments Pay vs Performance Disclosure [Line Items] Peer Group Total Shareholder Return Amount Peer Group Total Shareholder Return Amount Deliveries in First Quarter 2025 Deliveries in First Quarter 2025 [Member] Deliveries in First Quarter 2025 Schedule of Other Liabilities Other Liabilities [Table Text Block] Earnings (Loss) Per Share Earnings Per Share, Policy [Policy Text Block] Non-Rule 10b5-1 Arrangement Adopted Non-Rule 10b5-1 Arrangement Adopted [Flag] Award Timing Disclosures [Line Items] Investment, Name [Domain] Investment, Name [Domain] Other Performance Measure, Amount Other Performance Measure, Amount Leases Lessee, Operating Leases [Text Block] Common stock, shares outstanding (in shares) Common Stock, Shares, Outstanding Operating lease cost Operating Lease, Cost Finance lease cost: Lease, Cost [Abstract] Operating lease, liability, noncurrent, statement of financial position [Extensible List] Operating Lease, Liability, Noncurrent, Statement of Financial Position [Extensible Enumeration] Long-term operating lease obligations Operating lease obligations, long-term Operating Lease, Liability, Noncurrent Interest on lease liabilities Finance Lease, Interest Expense Term Warrants and Rights Outstanding, Term Revenue from Contract with Customer [Abstract] Revenue from Contract with Customer [Abstract] Price per share (in dollars per share) Sale of Stock, Price Per Share Add: dilutive effect of equity instruments (in shares) Weighted Average Number of Shares Outstanding, Diluted, Adjustment Other long-term assets, net Total other long-term assets, net Other Assets, Noncurrent Entity Tax Identification Number Entity Tax Identification Number Leases [Abstract] Leases [Abstract] Asset Retirement Obligation, Roll Forward Analysis [Roll Forward] Asset Retirement Obligation, Roll Forward Analysis [Roll Forward] Before Out Of Period State Income Tax Expense Before Out Of Period State Income Tax Expense [Member] Before Out Of Period State Income Tax Expense Triggering Event [Table] Triggering Event [Table] Triggering Event Selling, General and Administrative Expenses Selling, General and Administrative Expenses [Member] Preferred stock dividends declared on redeemable preferred stock (in shares) Preferred Stock Dividends, Shares Receivable Type [Axis] Receivable Type [Axis] Net cash provided by (used in) operating activities Net Cash Provided by (Used in) Operating Activities Consideration received on transaction Deducting offering expenses Sale of Stock, Consideration Received on Transaction Cash flows from operating activities Net Cash Provided by (Used in) Operating Activities [Abstract] Treasury Stock Treasury Stock, Common [Member] Sales, use and other taxes payable Taxes Payable, Current Schedule of Performance Shares Units Share-Based Payment Arrangement, Performance Shares, Outstanding Activity [Table Text Block] Term Loan Secured Debt Secured Debt [Member] Asset retirement obligations Asset retirement obligations, long-term Asset Retirement Obligations, Noncurrent Accretion Asset Retirement Obligation, Accretion Expense Prepaid expenses Prepaid Expense, Current Liabilities assumed Liabilities Assumed Equity Components [Axis] Equity Components [Axis] Award Timing Method Award Timing Method [Text Block] Trading Arrangements, by Individual Trading Arrangements, by Individual [Table] Net loss Business Acquisition, Pro Forma Net Income (Loss) Entity Common Stock, Shares Outstanding Entity Common Stock, Shares Outstanding Prepaid expenses and other current assets: Prepaid Expense and Other Assets, Current [Abstract] Weighted-average remaining lease term - finance leases Finance Lease, Weighted Average Remaining Lease Term Insider Trading Policies and Procedures [Line Items] Use of Estimates Use of Estimates, Policy [Policy Text Block] Business Acquisition, Acquiree [Domain] Business Acquisition, Acquiree [Domain] Debt instrument, collateral amount Debt Instrument, Collateral Amount Receivable [Domain] Receivable [Domain] Adjustment to Compensation, Amount Adjustment to Compensation Amount Options outstanding, intrinsic value Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Intrinsic Value Compensation Amount Outstanding Recovery Compensation Amount Disposal Group Classification [Axis] Disposal Group Classification [Axis] Supplemental disclosure of non-cash investing and financing activities: Cash Flow, Noncash Investing and Financing Activities Disclosure [Abstract] Aggregate Change in Present Value of Accumulated Benefit for All Pension Plans Reported in Summary Compensation Table Aggregate Change in Present Value of Accumulated Benefit for All Pension Plans Reported in Summary Compensation Table [Member] Entity Small Business Entity Small Business Developed technology Developed Technology Rights [Member] Company Selected Measure Amount Company Selected Measure Amount Debt instrument, prepayment premium Debt Instrument, Prepayment Premium, Percent Of Outstanding Principal Amount Outstanding Repaid or Prepaid Principal Percentage Geographical [Axis] Geographical [Axis] Tabular List, Table Tabular List [Table Text Block] Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Amount Finite-Lived Intangible Assets Acquired Aggregate Grant Date Fair Value of Equity Award Amounts Reported in Summary Compensation Table Aggregate Grant Date Fair Value of Equity Award Amounts Reported in Summary Compensation Table [Member] Lessee, Lease, Description [Line Items] Lessee, Lease, Description [Line Items] Other long-term assets, net Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Other Noncurrent Assets Total shares excluded from diluted shares outstanding (in shares) Antidilutive Securities Excluded from Computation of Earnings Per Share, Amount Operating lease, expense Operating Lease, Expense Mine development costs, net Mine Development Cost Mine Development Cost Debt instrument, interest rate Debt Instrument, Interest Rate, Assuming All Interest Was Paid In Cash Debt Instrument, Interest Rate, Assuming All Interest Was Paid In Cash Credit Facility [Domain] Credit Facility [Domain] Cash and Restricted Cash, beginning of period Cash and Restricted Cash, end of period Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents Schedule of Accounts, Notes, Loans and Financing Receivable [Table] Accounts and Financing Receivables [Table] Current assets: Assets, Current [Abstract] Public Offerings Public Offerings [Member] Public Offerings Repurchase of common stock to satisfy tax withholdings Payment, Tax Withholding, Share-Based Payment Arrangement Inventories, net Inventory Disclosure [Text Block] Treasury stock (in shares) Beginning balance (in shares) Ending balance (in shares) Treasury Stock, Common, Shares Other Other Liabilities, Current, Other Other Liabilities, Current, Other Forgone Recovery due to Disqualification of Tax Benefits, Amount Forgone Recovery due to Disqualification of Tax Benefits, Amount Prime Rate Prime Rate [Member] Product and Service [Domain] Product and Service [Domain] Stock option expense Stock Option Share-Based Payment Arrangement, Option [Member] Short-term lease cost Short-Term Lease, Cost Vested (in dollars per share) Vested / Settled (in dollars per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period, Weighted Average Grant Date Fair Value Unbilled receivables Unbilled Receivables [Member] Unbilled Receivables Weighted-average discount rate - finance leases Finance Lease, Weighted Average Discount Rate, Percent Preferred stock, shares outstanding (in shares) Preferred Stock, Shares Outstanding Number of instruments (in instruments) Debt Instrument, Number Of Instruments Debt Instrument, Number Of Instruments Security Exchange Name Security Exchange Name Award Type [Axis] Award Type [Axis] Related Party Transaction [Domain] Related Party Transaction [Domain] Accounting Policies [Table] Accounting Policies [Table] Accounting Policies Triggering Event [Axis] Triggering Event [Axis] Triggering Event Options exercised (in dollars per share) Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Exercises in Period, Weighted Average Exercise Price Restricted Stock Units Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Number of Shares [Roll Forward] Total Liabilities Liabilities Options exercisable, weighted average exercise price (in dollars per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercisable, Weighted Average Exercise Price Common stock par value (in dollars per share) Purchase par value (in dollars per share) Common Stock, Par or Stated Value Per Share Forgone Recovery, Explanation of Impracticability Forgone Recovery, Explanation of Impracticability [Text Block] Research and development Research and Development Expense Schedule of Share-based Compensation Arrangements by Share-based Payment Award [Table] Schedule of Share-Based Compensation Arrangements by Share-Based Payment Award [Table] Weighted Average Useful Life (years) Acquired Finite-Lived Intangible Assets, Weighted Average Useful Life Expiration Date Trading Arrangement Expiration Date Right-of-use assets obtained in exchange for new finance lease liabilities Right-of-Use Asset Obtained in Exchange for Finance Lease Liability Cash flows from investing activities Net Cash Provided by (Used in) Investing Activities [Abstract] Mine 4 ARO Mine 4 [Member] Mine 4 Other Other Assets, Current, Other Other Assets, Current, Other Operating lease obligations, current Current portion of operating lease obligations Operating Lease, Liability, Current Total Shareholder Return Amount Total Shareholder Return Amount Common stock, shares issued (in shares) Common Stock, Shares, Issued Indebtedness to net worth ratio Debt Instrument, Covenant, Indebtedness to Net Worth Debt Instrument, Covenant, Indebtedness to Net Worth Debt instrument, post-transaction from exercise of warrant Debt Instrument Post Transaction From Exercise Of Warrant Debt Instrument Post Transaction From Exercise Of Warrant Entity [Domain] Entity [Domain] Equity Awards Adjustments, Footnote Equity Awards Adjustments, Footnote [Text Block] Finance Leases Finance Lease, Liability [Abstract] Percent of revenue generated Concentration Risk, Percentage Asset retirement obligations assumed Asset Retirement Obligation, Liabilities Incurred Insider Trading Policies and Procedures Adopted Insider Trading Policies and Procedures Adopted [Flag] Raw material inventory Inventory, Raw Materials and Supplies, Gross Debt covenant, minimum annual Revenue requirement Debt Covenant, Minimum Annual Revenue Requirement Debt Covenant, Minimum Annual Revenue Requirement Limited guarantees (as percent) Limited Guarantees. Percent Limited Guarantees. Percent Options exercised (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercises in Period Debt Instrument [Line Items] Debt Instrument [Line Items] Named Executive Officers, Footnote Named Executive Officers, Footnote [Text Block] Weighted-Average Exercise Price Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Exercise Price [Abstract] Arq Limited Arq Limited [Member] Arq Limited Common stock, shares authorized (in shares) Common Stock, Shares Authorized Accumulated depreciation Property, Plant, and Equipment and Finance Lease Right-of-Use Asset, Accumulated Depreciation and Amortization Basis of Presentation Basis of Accounting, Policy [Policy Text Block] Diluted (in shares) Diluted weighted-average shares outstanding (in shares) Weighted Average Number of Shares Outstanding, Diluted Penalty Year 2025 Penalty Year 2025 [Member] Penalty Year 2025 MNPI Disclosure Timed for Compensation Value MNPI Disclosure Timed for Compensation Value [Flag] Long-term Debt, Type [Axis] Long-Term Debt, Type [Axis] Total Stockholdersâ€™ Equity Beginning balance Ending balance Equity, Attributable to Parent Prepaid expenses and other current assets Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Assets, Prepaid Expense and Other Assets Proceeds from issuance of debt Proceeds from Issuance of Debt Related Party Related Party [Member] Interest expense Interest Expense, Nonoperating Concentration Risk Type [Domain] Concentration Risk Type [Domain] Schedule of Pro Forma Revenues Business Acquisition, Pro Forma Information [Table Text Block] Selling, general and administrative Selling, General and Administrative Expense Schedule of Change in Asset Retirement Obligation Schedule of Change in Asset Retirement Obligation [Table Text Block] Supply agreement performance bond Supply Agreement Performance Bond Supply Agreement Performance Bond Net proceeds from CFG Loan, related party, net of discount and issuance costs Proceeds from Other Debt Receivables, net Accounts Receivable, after Allowance for Credit Loss, Current Options granted (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Grants in Period, Gross Cost of Revenue Cost of Sales [Member] Prepayment penalty, percentage Debt Instrument, Prepayment Penalty, Percentage Debt Instrument, Prepayment Penalty, Percentage Subsidiary, ownership percentage, parent Subsidiary, Ownership Percentage, Parent Sale of Stock [Domain] Sale of Stock [Domain] Long-term debt Long-Term Debt Pension Adjustments Prior Service Cost Pension Adjustments Prior Service Cost [Member] Document Fiscal Period Focus Document Fiscal Period Focus Other Other Assets, Noncurrent, Other Other Assets, Noncurrent, Other Acquisition related costs Business Combination, Acquisition Related Costs All Executive Categories All Executive Categories [Member] Changed Peer Group, Footnote Changed Peer Group, Footnote [Text Block] Options outstanding, weighted average remaining contractual term (in years) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Remaining Contractual Term Arq Acquisition Mergers, Acquisitions and Dispositions Disclosures [Text Block] ASSETS Assets [Abstract] Collection terms Revenue, Performance Obligation, Description of Timing Expected dividend rate Share-Based Compensation Arrangement by Share-Based Payment Award, Fair Value Assumptions, Expected Dividend Rate Document Type Document Type Pension Benefits Adjustments, Footnote Pension Benefits Adjustments, Footnote [Text Block] Total Shareholder Return Vs Peer Group Total Shareholder Return Vs Peer Group [Text Block] Operating Leases Leases, Operating [Abstract] Options exercisable, weighted average remaining contractual term (in years) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercisable, Weighted Average Remaining Contractual Term Term of contract Contract with Customer, Term of Contract Contract with Customer, Term of Contract Other (expense) income: Other Income and Expenses [Abstract] Vested (in shares) Vested / Settled (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period Periodic payment, principal Debt Instrument, Periodic Payment, Principal Maximum Maximum [Member] Contract with customer, liability Contract with Customer, Liability Equity Valuation Assumption Difference, Footnote Equity Valuation Assumption Difference, Footnote [Text Block] Accounting Policies [Abstract] Accounting Policies [Abstract] Revenues: Revenues [Abstract] Unamortized debt discounts Unamortized discount Debt Instrument, Unamortized Discount Shares issued (in dollars per share) Shares Issued, Price Per Share Options expired / forfeited (in dollars per share) Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Expirations in Period, Weighted Average Exercise Price Fair value measurement Fair Value Measurement, Policy [Policy Text Block] Penalty Year 2024 Penalty Year 2024 [Member] Penalty Year 2024 Marshall Mine Business Combination Disclosure [Text Block] Current Fiscal Year End Date Current Fiscal Year End Date Spare parts, net Other Inventories, Spare Parts, Gross Total lease cost Lease, Cost Statistical Measurement [Axis] Statistical Measurement [Axis] PEO Name PEO Name Finance lease, accumulated amortization Finance Lease, Right-of-Use Asset, Accumulated Amortization Issuance of warrant (in shares) Class of Warrant or Right, Outstanding Non-Rule 10b5-1 Arrangement Terminated Non-Rule 10b5-1 Arrangement Terminated [Flag] Income (loss) before income taxes Income (Loss) from Continuing Operations before Income Taxes, Noncontrolling Interest Non-PEO NEO Average Total Compensation Amount Non-PEO NEO Average Total Compensation Amount Award Type [Domain] Award Type [Domain] Name Outstanding Recovery, Individual Name Cash Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Cash and Equivalents Disaggregation of Revenue [Line Items] Disaggregation of Revenue [Line Items] Stock-based compensation (in shares) Shares Issued, Shares, Share-Based Payment Arrangement, after Forfeiture Variable lease cost Variable Lease, Cost Compensation Actually Paid vs. Company Selected Measure Compensation Actually Paid vs. Company Selected Measure [Text Block] Schedule of Unrecognized Compensation Cost Share-Based Payment Arrangement, Nonvested Award, Cost [Table Text Block] Non-PEO NEO Non-PEO NEO [Member] Amount attributable to assets acquired Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Assets Temporary equity, par value (in dollars per share) Temporary Equity, Par or Stated Value Per Share Additional Paid-in Capital Additional Paid-in Capital [Member] Long-term finance lease obligations Finance Lease, Liability, Noncurrent Schedule of Accounts Receivables Schedule of Accounts, Notes, Loans and Financing Receivable [Table Text Block] Award Timing Predetermined Award Timing Predetermined [Flag] Between 37 Months And Maturity Date Between 37 Months And Maturity Date [Member] Between 37 Months And Maturity Date Class of Stock [Line Items] Class of Stock [Line Items] Restricted cash, long-term Restricted Cash, Noncurrent Investment, Name [Axis] Investment, Name [Axis] New Accounting Standards New Accounting Pronouncements, Policy [Policy Text Block] Series A Preferred Stock Series A Preferred Stock [Member] Class of Stock [Axis] Class of Stock [Axis] Diluted (in dollars per share) Earnings (loss) per share - diluted (in dollars per share) Earnings Per Share, Diluted Finite-Lived Intangible Assets by Major Class [Axis] Finite-Lived Intangible Assets by Major Class [Axis] Counterparty Name [Domain] Counterparty Name [Domain] Operating lease expense

Operating Lease, Right-of-Use Asset, Periodic Reduction Name Measure Name Entity Interactive Data Current Entity Interactive Data Current Restatement does not require Recovery Restatement Does Not Require Recovery [Text Block] Ownership [Axis] Ownership [Axis] Canada CANADA Preferred stock, shares issued (in shares) Preferred Stock, Shares Issued CTB Loan due January 2036 CTB Loan due January 2036 [Member] CTB Loan due January 2036 Disaggregation of Revenue [Table] Disaggregation of Revenue [Table] Issuance of common stock related to private placement transaction, net of offering costs Stock Issued During Period, Value, Private Placement, Net Stock Issued During Period, Value, Private Placement, Net Balance Sheet Statement of Financial Position [Abstract] Stock-based compensation expense Share-Based Payment Arrangement, Noncash Expense Long-term debt obligations, net of current portion Notes Payable, Noncurrent Proceeds from sale of property and equipment Proceeds from Sale of Property, Plant, and Equipment Income tax (expense) benefit Income Tax Expense (Benefit) Interest rate, stated percentage Debt Instrument, Interest Rate, Stated Percentage Debt covenant, minimum cash balance requirement Debt Covenant, Minimum Cash Balance Requirement Debt Covenant, Minimum Cash Balance Requirement Issuance of warrant Adjustments to Additional Paid in Capital, Warrant Issued West Virginia ("Mine 4") West Virginia ("Mine 4") [Member] West Virginia ("Mine 4") Expected Weighted- Average Period of Recognition (in years) Share-Based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Period for Recognition Income (loss) attributable to common stockholders, diluted Net Income (Loss) Available to Common Stockholders, Diluted Total other (expense) income Nonoperating Income (Expense) Other long-term liabilities Increase (Decrease) in Other Noncurrent Liabilities Receivables and related party receivables Increase (Decrease) in Accounts Receivable and Increase (Decrease) in Accounts Receivable, Related Parties Increase (Decrease) in Accounts Receivable and Increase (Decrease) in Accounts Receivable, Related Parties Between 1 And 36 Moths Between 1 And 36 Moths [Member] Between 1 And 36 Moths Concentration Risk Benchmark [Domain] Concentration Risk Benchmark [Domain] Schedule of Income Tax Expense and Effective Tax Rates Schedule of Income Tax Expense and Effective Tax Rates [Table Text Block] Schedule of Income Tax Expense and Effective Tax Rates [Table Text Block] Other Other Long-Term Debt Effective tax rate Effective Income Tax Rate Reconciliation, Percent Net cash used in investing activities Net Cash Provided by (Used in) Investing Activities Operating income (loss) Operating Income (Loss) Net proceeds from common stock issued in private placement transactions Proceeds from Issuance of Private Placement Variable Rate [Domain] Variable Rate [Domain] Business Acquisition [Line Items] Business Acquisition [Line Items] Exercise of warrant, net (in shares) Stock Issued During Period, Shares, Warrant Exercised Stock Issued During Period, Shares, Warrant Exercised Total Liabilities and Stockholdersâ€™ Equity Liabilities and Equity Other non-cash items, net Other Operating Activities, Cash Flow Statement Subsequent Events Subsequent Events [Text Block] Rule 10b5-1 Arrangement Terminated Rule 10b5-1 Arrangement Terminated [Flag] All Adjustments to Compensation All Adjustments to Compensation [Member] Prepaid expenses and other assets Increase (Decrease) in Prepaid Expense and Other Assets Additional paid-in capital Additional Paid in Capital Debt instrument, percent of paid in cash Debt Instrument, Percent Of Margin Paid In Cash Debt Instrument, Percent Of Margin Paid In Cash Corbin ARO Corbin ARO [Member] Corbin ARO Commitments and Contingencies Disclosure [Abstract] Commitments and Contingencies Disclosure [Abstract] Legal Entity [Axis] Legal Entity [Axis] Penalty Year 2026 Penalty Year 2026 [Member] Penalty Year 2026 Finite-Lived Intangible Assets, Major Class Name [Domain] Finite-Lived Intangible Assets, Major Class Name [Domain] Issued Upon Vesting of PSUs Issued Upon Vesting of PSUs [Member] Issued Upon Vesting of PSUs Other current liabilities: Other Liabilities, Current [Abstract] Schedule of Restricted Stock Activity Share-Based Payment Arrangement, Restricted Stock and Restricted Stock Unit, Activity [Table Text Block] Disposed of by Sale Disposal Group, Disposed of by Sale, Not Discontinued Operations [Member] Organization and Basis of Presentation Organization, Consolidation, Basis of Presentation, Business Description and Accounting Policies [Text Block] Right-of-use assets obtained in exchange for new operating lease liabilities Right-of-Use Asset Obtained in Exchange for Operating Lease Liability Underlying Security Market Price Change Underlying Security Market Price Change, Percent Individual: Individual [Axis] Current portion of asset retirement obligations Less current portion Asset Retirement Obligation, Current Related Party Transaction [Axis] Related Party Transaction [Axis] Repurchase of common shares to satisfy minimum tax withholdings Share-Based Payment Arrangement, Decrease for Tax Withholding Obligation Inventories, net Total inventories, net Inventory, Net Liabilities Disposal Group, Including Discontinued Operation, Liabilities Product and Service [Axis] Product and Service [Axis] Long-term Debt, Type [Domain] Long-Term Debt, Type [Domain] Entity Address, State or Province Entity Address, State or Province Statement [Line Items] Statement [Line Items] Schedule of Equity Method Investments [Line Items] Schedule of Equity Method Investments [Line Items] Erroneous Compensation Analysis Erroneous Compensation Analysis [Text Block] Consideration Disposal Group, Including Discontinued Operation, Consideration Debt instrument, covenant loan to value ratio Debt Instrument, Covenant Loan To Value Ratio Debt Instrument, Covenant Loan To Value Ratio Net assets acquired Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Net Fiscal Year 2025 and Thereafter Fiscal Year 2025 and Thereafter [Member] Fiscal Year 2025 and Thereafter Compensation Actually Paid vs. Total Shareholder Return Compensation Actually Paid vs. Total Shareholder Return [Text Block] Accounts, Notes, Loans and Financing Receivable [Line Items] Accounts, Notes, Loans and Financing Receivable [Line Items] Consideration transferred Business Combination, Consideration Transferred Non-vested shares, beginning balance (in dollars per share) Non-vested shares, ending balance (in dollars per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Weighted Average Grant Date Fair Value LIABILITIES AND STOCKHOLDERSâ€™ EQUITY Liabilities and Equity [Abstract] Other long-term assets, net: Other Assets, Noncurrent [Abstract] Minimum Minimum [Member] Restatement Determination Date Restatement Determination Date Options vested (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested and Expected to Vest, Outstanding, Number Unamortized debt issuance costs Unamortized Debt Issuance Expense Adoption Date Trading Arrangement Adoption Date Pay vs Performance Disclosure Pay vs Performance Disclosure [Table] Options outstanding, start of year (in dollars per share) Options outstanding, end of year (in dollars per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Exercise Price Operating lease right-of-use assets, net of accumulated amortization Right of use assets, operating leases, net Operating Lease, Right-of-Use Asset Erroneously Awarded Compensation Recovery Erroneously Awarded Compensation Recovery [Table] Options outstanding, start of year (in shares) Options outstanding, end of year (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Number Original Amount Original Amount [Member] Original Amount Additional Option Additional Option [Member] Additional Option Other long-term liabilities Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Noncurrent Liabilities, Other Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year [Member] Revenues Business Acquisition, Pro Forma Revenue Requirement to own shares outstanding (as percent) Requirement To Own Shares Outstanding As Percent Requirement To Own Shares Outstanding As Percent Loan due Long-Term Debt, Gross Distributions from equity method investees in excess of cumulative earnings Proceeds from Equity Method Investment, Distribution, Return of Capital Exercise Price Award Exercise Price Marshall Mine Marshall Mine [Member] Marshall Mine Construction contract estimated costs Construction Contract, Estimated Costs Construction Contract, Estimated Costs Supplemental Financial Information Additional Financial Information Disclosure [Text Block] Promissory Notes Promissory Notes [Member] Promissory Notes Arrangement Duration Trading Arrangement Duration Trade and other receivables, net Trade Accounts Receivable [Member] Leases Lessee, Finance Leases [Text Block] Adjusted Term SOFR for an Interest Period of One Month in Effect on the Third U.S. Government Securities Business Day Adjusted Term SOFR for an Interest Period of One Month in Effect on the Third U.S. Government Securities Business Day [Member] Adjusted Term SOFR for an Interest Period of One Month in Effect on the Third U.S. Government Securities Business Day Stockholdersâ€™ equity: Equity, Attributable to Parent [Abstract] Granted (in dollars per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Grants in Period, Weighted Average Grant Date Fair Value Peer Group Issuers, Footnote Peer Group Issuers, Footnote [Text Block] Issuance of common stock upon conversion of preferred stock (in shares) Stock Issued During Period, Shares, Conversion of Preferred Stock Stock Issued During Period, Shares, Conversion of Preferred Stock Material Terms of Trading Arrangement Material Terms of Trading Arrangement [Text Block] Finance lease obligations Total finance lease obligations Finance Lease, Liability All Individuals All Individuals [Member] Net cash proceeds Proceeds from Lines of Credit Preferred stock, shares designated (in shares) Preferred Stock, Shares Designated Preferred Stock, Shares Designated PEO PEO [Member] Variable Rate [Axis] Variable Rate [Axis] Income Tax Disclosure [Abstract] Income Tax Disclosure [Abstract] Estimated fair value Debt Instrument, Fair Value Disclosure Name Trading Arrangement, Individual Name Other Other Nonoperating Income (Expense) Intangible assets, net Intangible Assets, Net (Excluding Goodwill) Statement of Stockholders' Equity [Abstract] Statement of Stockholders' Equity [Abstract] Highview Enterprises Limited Highview Enterprises Limited [Member] Highview Enterprises Limited [Member] Disposal Group Name [Axis] Disposal Group Name [Axis] Other long-term assets, net Increase (Decrease) in Other Noncurrent Assets Unrecognized Compensation Cost Share-Based Payment Arrangement, Nonvested Award, Excluding Option, Cost Not yet Recognized, Amount Earnings from equity method investments Earnings from equity method investments Income (Loss) from Equity Method Investments Treasury stock, at cost: 4,618,146 and 4,618,146 shares as of SeptemberÂ 30, 2024 and December 31, 2023, respectively Treasury Stock, Common, Value Commitments and Contingencies Commitments Contingencies and Guarantees [Text Block] Business Combination, Asset Acquisition, and Joint Venture Formation [Abstract] Awards Close in Time to MNPI Disclosures, Table Awards Close in Time to MNPI Disclosures [Table Text Block] Prior Year End Fair Value of Equity Awards Granted in Any Prior Year that Fail to Meet Applicable Vesting Conditions During Covered Year Prior Year End Fair Value of Equity Awards Granted in Any Prior Year that Fail to Meet Applicable Vesting Conditions During Covered Year [Member] Related Party [Domain] Related and Nonrelated Parties [Domain] Beginning balance (in shares) Ending balance (in shares) Shares, Outstanding Accounts payable and accrued expenses Accounts Payable and Accrued Liabilities, Current Aggregate Erroneous Compensation Amount Aggregate Erroneous Compensation Amount Five Forks Mine Five Forks Mine [Member] Five Forks Mine Local Phone Number Local Phone Number Aggregate Erroneous Compensation Not Yet Determined Aggregate Erroneous Compensation Not Yet Determined [Text Block] Amount attributable to liabilities assumed Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Liabilities Total operating expenses Operating Expenses Schedule of Equity Method Investments [Table] Equity Method Investment [Table] Increase in interest expense Business Combination, Amortization, Interest Expense, Increase (Decrease) Business Combination, Amortization, Interest Expense, Increase (Decrease) Long-term debt, net of current portion Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Liabilities, Long-Term Debt Stock repurchased (in shares) Stock Repurchased During Period, Shares Changes in operating assets and liabilities: Increase (Decrease) in Operating Capital [Abstract] SOFR Secured Overnight Financing Rate (SOFR) [Member] PEO Total Compensation Amount PEO Total Compensation Amount Equity issued as consideration for acquisition of business Asset Acquisition, Consideration Transferred, Equity Interest Issued and Issuable Business acquisition, issued number of shares (in shares) Business Acquisition, Equity Interest Issued or Issuable, Number of Shares Issuance of common stock to related party (in shares) Stock Issued During Period, Shares, Related Party Stock Issued During Period, Shares, Related Party Debt instrument, percent of paid in kind Debt Instrument, Percent Of Paid In Kind Debt Instrument, Percent Of Paid In Kind Income Statement Location [Axis] Statement of Income Location, Balance [Axis] Options vested, weighted average exercise price (in dollars per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested and Expected to Vest, Outstanding, Weighted Average Exercise Price Gain on sale of Marshall Mine, LLC Gain (Loss) on Disposition of Other Assets Debt Disclosure [Abstract] Debt Disclosure [Abstract] Common Stock Common Stock [Member] Measure: Measure [Axis] Debt covenant, minimum consolidated EBITDA requirement Debt Covenant, Minimum Consolidated EBITDA Requirement Minimum Consolidated EBITDA Amount Stock-based compensation Shares Issued, Value, Share-Based Payment Arrangement, after Forfeiture Share price (amount per shares) Share Price Outstanding, aggregate intrinsic value Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Aggregate Intrinsic Value, Outstanding Preferred stock, shares authorized (in shares) Preferred Stock, Shares Authorized Forgone Recovery due to Expense of Enforcement, Amount Forgone Recovery due to Expense of Enforcement, Amount Schedule of Business Acquisitions, by Acquisition [Table] Schedule of Business Acquisitions, by Acquisition [Table] Issuance of common stock in public offering, net of offering costs (in shares) Issuance of common stock pursuant to Arq Acquisition, net of offering costs (in shares) Stock Issued During Period, Shares, New Issues Payment for disposal of Marshall Mine, LLC Disposal Group, Payment Of Liabilities Assumed Disposal Group, Payment Of Liabilities Assumed Granted stock options (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Grants in Period, Net of Forfeitures Entity Emerging Growth Company Entity Emerging Growth Company Operating lease, right-of-use asset, statement of financial position [Extensible Enumeration] Operating Lease, Right-of-Use Asset, Statement of Financial Position [Extensible Enumeration] Mine reclamation asset, net Mine Reclamation Asset Mine Reclamation Asset Repurchase of common shares to satisfy minimum tax withholdings (in shares) Share-Based Payment Arrangement, Shares Withheld for Tax Withholding Obligation Entity Central Index Key Entity Central Index Key Acquisition of mine development costs Acquisition of Mine Development Costs Acquisition of Mine Development Costs General and Administrative Expense General and Administrative Expense [Member] Schedule of Inventory Schedule of Inventory, Current [Table Text Block] Lessee, Lease, Description [Table] Lessee, Lease, Description [Table] Non-GAAP Measure Description Non-GAAP Measure Description [Text Block] Non-PEO NEO Average Compensation Actually Paid Amount Non-PEO NEO Average Compensation Actually Paid Amount Finance lease right-of-use assets, net of accumulated amortization Finance Lease, Right-of-Use Asset, after Accumulated Amortization Stockholders' Equity Equity [Text Block] Accounts payable and accrued expenses Increase (Decrease) in Accounts Payable and Accrued Liabilities Award Timing, How MNPI Considered Award Timing, How MNPI Considered [Text Block] Equity Component [Domain] Equity Component [Domain] Preferred stock par value (in dollars per share) Preferred Stock, Par or Stated Value Per Share Less: Current maturities Long-Term Debt, Current Maturities Debt instrument, cap rate percentage Debt Instrument, Cap Rate Percentage Debt Instrument, Cap Rate Percentage CFG Loan due February 2027, related party Senior Term Loan [Member] Senior Term Loan [Member] Debt instrument, annual increase Debt Instrument, Interest Rate, Increase (Decrease) Additional 402(v) Disclosure Additional 402(v) Disclosure [Text Block] RSA expense Restricted Stock Restricted Stock [Member] Upfront Customer Consideration Upfront Payments from Contract with Customer Upfront Payments from Contract with Customer Entity Shell Company Entity Shell Company Entity Incorporation, State or Country Code Entity Incorporation, State or Country Code Accounting Policies [Line Items] Accounting Policies [Line Items] Accounting Policies [Line Items] Title Trading Arrangement, Individual Title Less: Dividends declared on redeemable preferred stock Redeemable Preferred Stock Dividends Statement [Table] Statement [Table] Operating lease liabilities Increase (Decrease) in Operating Lease Liabilities Increase (Decrease) in Operating Lease Liabilities Counterparty Name [Axis] Counterparty Name [Axis] Geographic Concentration Risk Geographic Concentration Risk [Member] City Area Code City Area Code Current liabilities: Liabilities, Current [Abstract] Contingent consideration, liability Business Combination, Contingent Consideration, Liability Securities Purchase Agreement Securities Purchase Agreement [Member] Securities Purchase Agreement Disposal Group Classification [Domain] Disposal Group Classification [Domain] Insider Trading Policies and Procedures Not Adopted Insider Trading Policies and Procedures Not Adopted [Text Block] Acquisition of property, plant, equipment, and intangible assets, net Payments to Acquire Productive Assets Concentration Risk Benchmark [Axis] Concentration Risk Benchmark [Axis] Gain on sale of assets Gain (Loss) on Disposition of Assets Total current assets Assets, Current Statement of Cash Flows [Abstract] Statement of Cash Flows [Abstract] Preferred Stock Preferred Stock [Member] Options exercisable (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercisable, Number Schedule of Long-term Debt Instruments [Table] Schedule of Long-Term Debt Instruments [Table] Total long-term debt obligations Long-Term Debt, Excluding Current Maturities Increase in intangible assets Business Combination, Amortization, Intangible Assets, Increase (Decrease) Business Combination, Amortization, Intangible Assets, Increase (Decrease) Weighted-Average GrantÂ Date Fair Value Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Weighted Average Grant Date Fair Value [Abstract] Income Taxes Income Tax Disclosure [Text Block] Income (loss) per common share (Note 1): Earnings Per Share [Abstract] Equity [Abstract] Equity [Abstract] Retained earnings Retained Earnings (Accumulated Deficit) Class of Stock [Domain] Class of Stock [Domain] Revenue from Contract with Customer Benchmark Revenue from Contract with Customer Benchmark [Member] Related Party Transaction [Line Items] Related Party Transaction [Line Items] Inventories, net Increase (Decrease) in Inventories Schedule of Debt Schedule of Debt [Table Text Block] Organization, Consolidation and Presentation of Financial Statements [Abstract] Aggregate Available Trading Arrangement, Securities Aggregate Available Amount Equity Awards Adjustments Equity Awards Adjustments [Member] Weighted-average discount rate - operating leases Operating Lease, Weighted Average Discount Rate, Percent Total operating lease obligation Operating Lease, Liability Debt instrument, fee amount Debt Instrument, Fee Amount Net cash provided by financing activities Net Cash Provided by (Used in) Financing Activities Underlying Securities Award Underlying Securities Amount PSU expense Performance Share Units Performance Shares [Member] Credit Facility [Axis] Credit Facility [Axis] Issuance of common stock related to private placement transaction, net of offering costs (in shares) Stock Issued During Period, Shares, Private Placement, Net Stock Issued During Period, Shares, Private Placement, Net Preferred stock dividends declared on redeemable preferred stock Dividends, Common Stock, Cash Amendment Flag

Amendment Flag Entity Registrant Name Entity Registrant Name Adjustment to Non-PEO NEO Compensation Footnote Adjustment to Non-PEO NEO Compensation Footnote [Text Block] Stock Appreciation Rights (SARs) Stock Appreciation Rights (SARs) [Member] Corbin Facilities Corbin Facilities [Member] Corbin Facilities Depreciation, amortization, depletion and accretion Depreciation, Depletion and Amortization Fair Value as of Grant Date Award Grant Date Fair Value Amortization of right-of-use assets Finance Lease, Right-of-Use Asset, Amortization Subsequent Events [Abstract] Subsequent Events [Abstract] Deferred Costs, Capitalized, Prepaid, and Other Assets Disclosure [Abstract] Deferred Costs, Capitalized, Prepaid, and Other Assets Disclosure [Abstract] Options vested, intrinsic value Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested and Expected to Vest, Outstanding, Aggregate Intrinsic Value Number of shares agreed to purchase (in shares) Sale of Stock, Number of Shares Issued in Transaction Debt issuance costs Debt Issuance Costs, Net Debt Obligations Debt Disclosure [Text Block] Geographical [Domain] Geographical [Domain] Recovery of Erroneously Awarded Compensation Disclosure [Line Items] Face amount Debt Instrument, Face Amount Issuance of common stock to related party Stock Issued During Period, Value, Related Party Stock Issued During Period, Value, Related Party Issuance of common stock in public offering, net of offering costs Issuance of common stock pursuant to Arq Acquisition, net of offering costs Stock Issued During Period, Value, New Issues Purchase of property and equipment through note payable Purchase Of Property And Equipment Through Notes Payable Purchase Of Property And Equipment Through Notes Payable Entity Address, Postal Zip Code Entity Address, Postal Zip Code Collaborative Arrangement and Arrangement Other than Collaborative [Axis] Collaborative Arrangement and Arrangement Other than Collaborative [Axis] Restatement Determination Date: Restatement Determination Date [Axis] Collaborative Arrangement and Arrangement Other than Collaborative [Domain] Collaborative Arrangement and Arrangement Other than Collaborative [Domain] Title of 12(b) Security Title of 12(b) Security Other long-term liabilities: Other Liabilities, Noncurrent [Abstract] Concentration Risk Type [Axis] Concentration Risk Type [Axis] Common stock: par value of $0.001 per share, 100,000,000 shares authorized, 46,652,061 and 37,791,084 shares issued, and 42,033,915 and 33,172,938 shares outstanding at SeptemberÂ 30, 2024 and December 31, 2023, respectively Common Stock, Value, Issued Operating cash flows for finance leases Finance Lease, Interest Payment on Liability Decrease in depreciation and amortization Business Combination, Amortization, Depreciation And Amortization, Increase (Decrease) Business Combination, Amortization, Depreciation And Amortization, Increase (Decrease) Share-based Payment Arrangement [Abstract] Share-Based Payment Arrangement [Abstract] Asset retirement obligations, beginning of period Asset retirement obligations, end of period Asset Retirement Obligation CF Global Credit, LP CF Global Credit, LP [Member] CF Global Credit, LP Issuance of common stock pursuant to Arq Acquisition, net of offering costs Stock Issued During Period, Value, Acquisitions Cash Cash and Cash Equivalents, at Carrying Value Issuance of common stock pursuant to Arq Acquisition, net of offering costs (in shares) Stock Issued During Period, Shares, Acquisitions Other current liabilities Increase (Decrease) in Other Current Liabilities Year-over-Year Change in Fair Value of Equity Awards Granted in Prior Years That are Outstanding and Unvested Year-over-Year Change in Fair Value of Equity Awards Granted in Prior Years That are Outstanding and Unvested [Member] Forfeited (in dollars per share) Forfeited / Canceled (in dollars per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeitures, Weighted Average Grant Date Fair Value Paid-in-kind dividend on Series A Preferred Stock Dividends, Preferred Stock, Paid-in-kind Cash flows from financing activities Net Cash Provided by (Used in) Financing Activities [Abstract] Year-end Fair Value of Equity Awards Granted in Covered Year that are Outstanding and Unvested Year-end Fair Value of Equity Awards Granted in Covered Year that are Outstanding and Unvested [Member] Preferred stock: par value of $0.001 per share, 50,000,000 shares authorized, none issued or outstanding Preferred Stock, Value, Issued Operating lease, liability, current, statement of financial position [Extensible List] Operating Lease, Liability, Current, Statement of Financial Position [Extensible Enumeration] Product inventory, net Inventory, Finished Goods, Gross Number of Options OutstandingÂ and Exercisable Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding [Roll Forward] Depreciation, amortization, depletion and accretion Depreciation, Depletion and Amortization, Nonproduction Basic (in dollars per share) Earnings (loss) per share - basic (in dollars per share) Earnings Per Share, Basic Net proceeds from common stock issued Proceeds from Issuance of Common Stock Operating cash flows for operating leases Operating Lease, Payments Cash and restricted cash acquired in business acquisition Cash Acquired from Acquisition Issuance of common stock upon conversion of preferred stock Stock Issued During Period, Value, Conversion of Preferred Stock Stock Issued During Period, Value, Conversion of Preferred Stock Adjustment To PEO Compensation, Footnote Adjustment To PEO Compensation, Footnote [Text Block] Award Timing MNPI Disclosure Award Timing MNPI Disclosure [Text Block] Property, plant and equipment, net of accumulated depreciation of $25,146 and $19,293, respectively Property, Plant, and Equipment and Finance Lease Right-of-Use Asset, after Accumulated Depreciation and Amortization Through January 2026 Through January 2026 [Member] Through January 2026 Ownership [Domain] Ownership [Domain] Principal payments on finance lease obligations Financing cash flows for finance leases Finance Lease, Principal Payments Change in accrued purchases for property and equipment Capital Expenditures Incurred but Not yet Paid Aggregate Pension Adjustments Service Cost Aggregate Pension Adjustments Service Cost [Member] Outstanding, weighted-average remaining contractual term (in years) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Outstanding, Weighted Average Remaining Contractual Terms Income (loss) attributable to common stockholders, basic Net Income (Loss) Available to Common Stockholders, Basic Compensation Actually Paid vs. Other Measure Compensation Actually Paid vs. Other Measure [Text Block] Schedule of Stock by Class [Table] Stock, Class of Stock [Table] Total current liabilities Liabilities, Current Vesting Date Fair Value of Equity Awards Granted and Vested in Covered Year Vesting Date Fair Value of Equity Awards Granted and Vested in Covered Year [Member] Total Assets Assets Cost of revenue, exclusive of depreciation and amortization Cost of Goods and Services Sold Granted (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Grants in Period Over-Allotment Option Over-Allotment Option [Member] Principal payments on notes payable Repayments of Notes Payable Current portion of long-term debt Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Liabilities, Deferred Revenue Other long-term liabilities Total other long-term liabilities Other Liabilities, Noncurrent Forgone Recovery due to Violation of Home Country Law, Amount Forgone Recovery due to Violation of Home Country Law, Amount Commitments and contingencies (Note 7) Commitments and Contingencies Termination Date Trading Arrangement Termination Date Schedule of Related Party Transactions, by Related Party [Table] Related Party Transaction [Table] Exercise price of warrants (in dollars per share) Class of Warrant or Right, Exercise Price of Warrants or Rights Promissory Note B Promissory Note B [Member] Promissory Note B Tinuum Group, LLC Tinuum Group, LLC [Member] Tinuum Group, LLC [Member] Stock-Based Compensation Share-Based Payment Arrangement [Text Block] Entity Address, City or Town Entity Address, City or Town Schedule of Final Purchase Price Allocation to the Assets Acquired and Liabilities Assumed Schedule of Recognized Identified Assets Acquired and Liabilities Assumed [Table Text Block] Debt Instrument [Axis] Debt Instrument [Axis] Summary of Option Activity Share-Based Payment Arrangement, Option, Activity [Table Text Block] Total stock-based compensation expense Share-Based Payment Arrangement, Expense Changes due to scope and timing of reclamation Asset Retirement Obligation, Period Increase (Decrease) After January 2026 After January 2026 [Member] After January 2026 Net income (loss) Net income (loss) Net loss Net Income (Loss) Attributable to Parent Trading Arrangement: Trading Arrangement [Axis] Revenue Revenue from Contract with Customer, Including Assessed Tax Options granted (in dollars per share) Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Grants in Period, Weighted Average Exercise Price Other Commitments [Table] Other Commitments [Table] Pay vs Performance Disclosure, Table Pay vs Performance [Table Text Block] Restricted cash, long-term Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Noncurrent Assets, Restricted Cash Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Noncurrent Assets, Restricted Cash Forfeited (in shares) Forfeited / Canceled (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeited in Period Business Acquisition [Axis] Business Acquisition [Axis] Equity Awards Adjustments, Excluding Value Reported in Compensation Table Equity Awards Adjustments, Excluding Value Reported in the Compensation Table [Member] Dividends or Other Earnings Paid on Equity Awards not Otherwise Reflected in Total Compensation for Covered Year Dividends or Other Earnings Paid on Equity Awards not Otherwise Reflected in Total Compensation for Covered Year [Member] Entity File Number Entity File Number Revenues Revenue from Contract with Customer [Text Block] Document Fiscal Year Focus Document Fiscal Year Focus Statement of Operations Income Statement [Abstract] Entity Address, Address Line One Entity Address, Address Line One Weighted-average number of common shares outstanding: Weighted Average Number of Shares Outstanding Reconciliation [Abstract] Entity Address, Address Line Two Entity Address, Address Line Two Debt Instrument, Name [Domain] Debt Instrument, Name [Domain] Name Forgone Recovery, Individual Name Options exercisable, intrinsic value Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercisable, Intrinsic Value Fiscal Year 2024 Fiscal Year 2024 [Member] Fiscal Year 2024 Weighted-average remaining lease term - operating leases Operating Lease, Weighted Average Remaining Lease Term Document Period End Date Document Period End Date Sale of Stock [Axis] Sale of Stock [Axis] Finance lease obligations, current Finance Lease, Liability, Current Award Timing MNPI Considered Award Timing MNPI Considered [Flag] Base Rate Base Rate [Member] Non-vested shares, beginning balance (in shares) Non-vested shares, ending balance (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Number Options expired / forfeited (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Expirations in Period Insider Trading Arrangements [Line Items] Inventory Disclosure [Abstract] Inventory Disclosure [Abstract] Outstanding Aggregate Erroneous Compensation Amount Outstanding Aggregate Erroneous Compensation Amount PEO Actually Paid Compensation Amount PEO Actually Paid Compensation Amount Accounts payable and accrued expenses Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Liabilities, Accounts Payable Adjustment to Compensation: Adjustment to Compensation [Axis] Prepaid expenses and other current assets Prepaid expenses and other current assets Prepaid Expense and Other Assets, Current Reclassifications Reclassification, Comparability Adjustment [Policy Text Block] Restricted cash, long-term Restricted Cash and Cash Equivalents, Noncurrent Document Transition Report Document Transition Report Document Quarterly Report Document Quarterly Report Entity Current Reporting Status Entity Current Reporting Status Retained Earnings Retained Earnings [Member] Pension Adjustments Service Cost Pension Adjustments Service Cost [Member] Operating lease, accumulated amortization Operating Lease, Right-of-Use Asset, Accumulated Amortization Operating Lease, Right-of-Use Asset, Accumulated Amortization Beginning March 31, 2023 Beginning March 31, 2023 [Member] Beginning March 31, 2023 Related Party [Axis] Related and Nonrelated Parties [Axis] Basic (in shares) Basic weighted-average common shares outstanding (in shares) Weighted Average Number of Shares Outstanding, Basic Stock Price or TSR Estimation Method Stock Price or TSR Estimation Method [Text Block] Purchase period Sale Of Stock, Term Of Purchase Period Sale Of Stock, Term Of Purchase Period Surety bond amount Surety Agreement, Bond Amount Surety Agreement, Bond Amount Amortization of debt discount and debt issuance costs Amortization of Debt Issuance Costs and Discounts Triggering Event [Line Items] Triggering Event [Line Items] Triggering Event Property, plant and equipment, net Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Property, Plant, and Equipment Increase (Decrease) in Stockholders' Equity [Roll Forward] Increase (Decrease) in Stockholders' Equity [Roll Forward] Executive Category: Executive Category [Axis] Revenue Consumables [Member] Consumables [Member] Name Awards Close in Time to MNPI Disclosures, Individual Name Other current liabilities Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Liabilities, Other Entity Filer Category Entity Filer Category Promissory Note A Promissory Note A [Member] Promissory Note A Income Statement Location [Domain] Statement of Income Location, Balance [Domain] Operating expenses: Cost of Revenue [Abstract] Company Selected Measure Name Company Selected Measure Name EX-101.PRE 10 ades-20240930_pre.xml XBRL TAXONOMY EXTENSION PRESENTATION LINKBASE DOCUMENT XML 12 R1.htm IDEA: XBRL DOCUMENT v3.24.3 Cover Page - shares 9 Months Ended Sep. 30, 2024 Nov. 05, 2024 Cover [Abstract] Â Â Document Type 10-Q Â Document Quarterly Report true Â Document Period End Date Sep. 30, 2024 Â Document Transition Report false Â Entity File Number 001-37822 Â Entity Registrant Name ARQ, INC. Â Entity Incorporation, State or Country Code DE Â Entity Tax Identification Number 27-5472457 Â Entity Address, Address Line One 8051 E. Maplewood Ave. Â Entity Address, Address Line Two Ste. 210 Â Entity Address, City or Town Greenwood Village Â Entity Address, State or Province CO Â Entity Address, Postal Zip Code 80111 Â City Area Code 720 Â Local Phone Number 598-3500 Â Title of 12(b) Security Common stock, par value $0.001 per share Â Trading Symbol ARQ Â Security Exchange Name NASDAQ Â Entity Current Reporting Status Yes Â Entity Interactive Data Current Yes Â Entity Filer Category Non-accelerated Filer Â Entity Small Business true Â Entity Emerging Growth Company false Â Entity Shell Company false Â Entity Common Stock, Shares Outstanding Â 42,032,086 Entity Central Index Key 0001515156 Â Current Fiscal Year End Date --12-31 Â Amendment Flag false Â Document Fiscal Year Focus 2024 Â Document Fiscal Period Focus Q3 Â X - DefinitionBoolean flag that is true when the XBRL content amends previously-filed or accepted submission. + ReferencesNo definition available. + Details Name: dei_AmendmentFlag Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionArea code of city + ReferencesNo definition available. + Details Name: dei_CityAreaCode Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionCover page. + ReferencesNo definition available. + Details Name: dei_CoverAbstract Namespace Prefix: dei_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionEnd date of current fiscal year in the format --MM-DD. + ReferencesNo definition available. + Details Name: dei_CurrentFiscalYearEndDate Namespace Prefix: dei_ Data Type: xbrli:gMonthDayItemType Balance Type: na Period Type: duration X - DefinitionFiscal period values are FY, Q1, Q2, and Q3. 1st, 2nd and 3rd quarter 10-Q or 10-QT statements have value Q1, Q2, and Q3 respectively, with 10-K, 10-KT or other fiscal year statements having FY. + ReferencesNo definition available. + Details Name: dei_DocumentFiscalPeriodFocus Namespace Prefix: dei_ Data Type: dei:fiscalPeriodItemType Balance Type: na Period Type: duration X - DefinitionThis is focus fiscal year of the document report in YYYY format. For a 2006 annual report, which may also provide financial information from prior periods, fiscal 2006 should be given as the fiscal year focus. Example: 2006. + ReferencesNo definition available. + Details Name: dei_DocumentFiscalYearFocus Namespace Prefix: dei_ Data Type: xbrli:gYearItemType Balance Type: na Period Type: duration X - DefinitionFor the EDGAR submission types of Form 8-K: the date of the report, the date of the earliest event reported; for the EDGAR submission types of Form N-1A: the filing date; for all other submission types: the end of the reporting or transition period. The format of the date is YYYY-MM-DD. + ReferencesNo definition available. + Details Name: dei_DocumentPeriodEndDate Namespace Prefix: dei_ Data Type: xbrli:dateItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true only for a form used as an quarterly report. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 10-Q -Number 240 -Section 308 -Subsection a + Details Name: dei_DocumentQuarterlyReport Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true only for a form used as a transition report. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Forms 10-K, 10-Q, 20-F -Number 240 -Section 13 -Subsection a-1 + Details Name: dei_DocumentTransitionReport Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionThe type of document being provided (such as 10-K, 10-Q, 485BPOS, etc). The document type is limited to the same value as the supporting SEC submission type, or the word 'Other'. + ReferencesNo definition available. + Details Name: dei_DocumentType Namespace Prefix: dei_ Data Type: dei:submissionTypeItemType Balance Type: na Period Type: duration X - DefinitionAddress Line 1 such as Attn, Building Name, Street Name + ReferencesNo definition available. + Details Name: dei_EntityAddressAddressLine1 Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionAddress Line 2 such as Street or Suite number + ReferencesNo definition available. + Details Name: dei_EntityAddressAddressLine2 Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionName of the City or Town + ReferencesNo definition available. + Details Name: dei_EntityAddressCityOrTown Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionCode for the postal or zip code + ReferencesNo definition available. + Details Name: dei_EntityAddressPostalZipCode Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionName of the state or province. + ReferencesNo definition available. + Details Name: dei_EntityAddressStateOrProvince Namespace Prefix: dei_ Data Type: dei:stateOrProvinceItemType Balance Type: na Period Type: duration X - DefinitionA unique 10-digit SEC-issued value to identify entities that have filed disclosures with the SEC. It is commonly abbreviated as CIK. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityCentralIndexKey Namespace Prefix: dei_ Data Type: dei:centralIndexKeyItemType Balance Type: na Period Type: duration X - DefinitionIndicate number of shares or other units outstanding of each of registrant's classes of capital or common stock or other ownership interests, if and as stated on cover of related periodic report. Where multiple classes or units exist define each class/interest by adding class of stock items such as Common Class A [Member], Common Class B [Member] or Partnership Interest [Member] onto the Instrument [Domain] of the Entity Listings, Instrument. + ReferencesNo definition available. + Details Name: dei_EntityCommonStockSharesOutstanding Namespace Prefix: dei_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionIndicate 'Yes' or 'No' whether registrants (1) have filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934

during the preceding 12 months (or for such shorter period that registrants were required to file such reports), and (2) have been subject to such filing requirements for the past 90 days. This information should be based on the registrant's current or most recent filing containing the related disclosure. + ReferencesNo definition available. + Details Name: dei_EntityCurrentReportingStatus Namespace Prefix: dei_ Data Type: dei:yesNoItemType Balance Type: na Period Type: duration X - DefinitionIndicate if registrant meets the emerging growth company criteria. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityEmergingGrowthCompany Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionCommission file number. The field allows up to 17 characters. The prefix may contain 1-3 digits, the sequence number may contain 1-8 digits, the optional suffix may contain 1-4 characters, and the fields are separated with a hyphen. + ReferencesNo definition available. + Details Name: dei_EntityFileNumber Namespace Prefix: dei_ Data Type: dei:fileNumberItemType Balance Type: na Period Type: duration X - DefinitionIndicate whether the registrant is one of the following: Large Accelerated Filer, Accelerated Filer, Non-accelerated Filer. Definitions of these categories are stated in Rule 12b-2 of the Exchange Act. This information should be based on the registrant's current or most recent filing containing the related disclosure. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityFilerCategory Namespace Prefix: dei_ Data Type: dei:filerCategoryItemType Balance Type: na Period Type: duration X - DefinitionTwo-character EDGAR code representing the state or country of incorporation. + ReferencesNo definition available. + Details Name: dei_EntityIncorporationStateCountryCode Namespace Prefix: dei_ Data Type: dei:edgarStateCountryItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true when the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-T -Number 232 -Section 405 + Details Name: dei_EntityInteractiveDataCurrent Namespace Prefix: dei_ Data Type: dei:yesNoItemType Balance Type: na Period Type: duration X - DefinitionThe exact name of the entity filing the report as specified in its charter, which is required by forms filed with the SEC. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityRegistrantName Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true when the registrant is a shell company as defined in Rule 12b-2 of the Exchange Act. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityShellCompany Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionIndicates that the company is a Smaller Reporting Company (SRC). + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntitySmallBusiness Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionThe Tax Identification Number (TIN), also known as an Employer Identification Number (EIN), is a unique 9-digit value assigned by the IRS. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityTaxIdentificationNumber Namespace Prefix: dei_ Data Type: dei:employerIdItemType Balance Type: na Period Type: duration X - DefinitionLocal phone number for entity. + ReferencesNo definition available. + Details Name: dei_LocalPhoneNumber Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionTitle of a 12(b) registered security. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b + Details Name: dei_Security12bTitle Namespace Prefix: dei_ Data Type: dei:securityTitleItemType Balance Type: na Period Type: duration X - DefinitionName of the Exchange on which a security is registered. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection d1-1 + Details Name: dei_SecurityExchangeName Namespace Prefix: dei_ Data Type: dei:edgarExchangeCodeItemType Balance Type: na Period Type: duration X - DefinitionTrading symbol of an instrument as listed on an exchange. + ReferencesNo definition available. + Details Name: dei_TradingSymbol Namespace Prefix: dei_ Data Type: dei:tradingSymbolItemType Balance Type: na Period Type: duration XML 13 R2.htm IDEA: XBRL DOCUMENT v3.24.3 Condensed Consolidated Balance Sheets - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Current assets: Â Â Cash $ 48,662 $ 45,361 Receivables, net 16,590 16,192 Inventories, net 18,487 19,693 Prepaid expenses and other current assets 3,530 5,215 Total current assets 87,269 86,461 Restricted cash, long-term 8,718 8,792 Property, plant and equipment, net of accumulated depreciation of $25,146 and $19,293, respectively 139,137 94,649 Other long-term assets, net 44,841 45,600 Total Assets 279,965 235,502 Current liabilities: Â Â Accounts payable and accrued expenses 20,191 14,603 Current portion of debt obligations 2,324 2,653 Other current liabilities 7,671 5,792 Total current liabilities 30,186 23,048 Long-term debt obligations, net of current portion 17,634 18,274 Other long-term liabilities 14,029 15,780 Total Liabilities 61,849 57,102 Commitments and contingencies (Note 7) Stockholdersâ€™ equity: Â Â Preferred stock: par value of $0.001 per share, 50,000,000 shares authorized, none issued or outstanding 0 0 Common stock: par value of $0.001 per share, 100,000,000 shares authorized, 46,652,061 and 37,791,084 shares issued, and 42,033,915 and 33,172,938 shares outstanding at SeptemberÂ 30, 2024 and December 31, 2023, respectively 47 38 Treasury stock, at cost: 4,618,146 and 4,618,146 shares as of SeptemberÂ 30, 2024 and December 31, 2023, respectively (47,692) (47,692) Additional paid-in capital 197,988 154,511 Retained earnings 67,773 71,543 Total Stockholdersâ€™ Equity 218,116 178,400 Total Liabilities and Stockholdersâ€™ Equity $ 279,965 $ 235,502 X - DefinitionSum of the carrying values as of the balance sheet date of obligations incurred through that date and due within one year (or the operating cycle, if longer), including liabilities incurred (and for which invoices have typically been received) and payable to vendors for goods and services received, taxes, interest, rent and utilities, accrued salaries and bonuses, payroll taxes and fringe benefits. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_AccountsPayableAndAccruedLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after allowance for credit loss, of right to consideration from customer for product sold and service rendered in normal course of business, classified as current. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481990/310-10-45-2 + Details Name: us-gaap_AccountsReceivableNetCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of excess of issue price over par or stated value of stock and from other transaction involving stock or stockholder. Includes, but is not limited to, additional paid-in capital (APIC) for common and preferred stock. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_AdditionalPaidInCapital Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of asset recognized for present right to economic benefit. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 12: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 13: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(12)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 18: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 19: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 30: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(11)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1 + Details Name: us-gaap_Assets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of asset recognized for present right to economic benefit, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 6: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 10: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -

Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 20: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7 + Details Name: us-gaap_AssetsCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_AssetsCurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4 + Details Name: us-gaap_CashAndCashEquivalentsAtCarryingValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionRepresents the caption on the face of the balance sheet to indicate that the entity has entered into (1) purchase or supply arrangements that will require expending a portion of its resources to meet the terms thereof, and (2) is exposed to potential losses or, less frequently, gains, arising from (a) possible claims against a company's resources due to future performance under contract terms, and (b) possible losses or likely gains from uncertainties that will ultimately be resolved when one or more future events that are deemed likely to occur do occur or fail to occur. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(15)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1 + Details Name: us-gaap_CommitmentsAndContingencies Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAggregate par or stated value of issued nonredeemable common stock (or common stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable common shares, par value and other disclosure concepts are in another section within stockholders' equity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap_CommonStockValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount after valuation and LIFO reserves of inventory expected to be sold, or consumed within one year or operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of liability recognized for present obligation requiring transfer or otherwise providing economic benefit to others. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(26)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 15: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(14)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 18: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 27: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 28: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 29: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30 + Details Name: us-gaap_Liabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of liabilities and equity items, including the portion of equity attributable to noncontrolling interests, if any. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(32)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LiabilitiesAndStockholdersEquity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionTotal obligations incurred as part of normal operations that are expected to be paid during the following twelve months or within one business cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 8: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-5Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher

FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 20: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 21: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7 + Details Name: us-gaap_LiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_LiabilitiesCurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionCarrying value as of the balance sheet date of notes payable (with maturities initially due after one year or beyond the operating cycle if longer), excluding current portion. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LongTermNotesPayable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionSum of the carrying values as of the balance sheet date of the portions of long-term notes payable due within one year or the operating cycle if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_NotesPayableCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of noncurrent assets classified as other. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_OtherAssetsNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of liabilities classified as other, due within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10 + Details Name: us-gaap_OtherLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of liabilities classified as other, due after one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_OtherLiabilitiesNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAggregate par or stated value of issued nonredeemable preferred stock (or preferred stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable preferred shares, par value and other disclosure concepts are in another section within stockholders' equity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap_PreferredStockValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of asset related to consideration paid in advance for costs that provide economic benefits in future periods, and amount of other assets that are expected to be realized or consumed within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_PrepaidExpenseAndOtherAssetsCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount, after accumulated depreciation and amortization, of property, plant, and equipment and finance lease right-of-use asset. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -SubTopic 20 -Topic 842 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_PropertyPlantAndEquipmentAndFinanceLeaseRightOfUseAssetAfterAccumulatedDepreciationAndAmortization Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of cash and cash equivalents restricted as to withdrawal or usage, classified as noncurrent. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 5 -SubTopic 210 -Topic 954 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477220/954-210-45-5 + Details Name: us-gaap_RestrictedCashAndCashEquivalentsNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of accumulated undistributed earnings (deficit). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)(a)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (h)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-11Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(23)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_RetainedEarningsAccumulatedDeficit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(31)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 12: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 13: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 14: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 4.E) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480418/310-10-S99-2 + Details Name: us-gaap_StockholdersEquity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_StockholdersEquityAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount allocated to previously issued common shares repurchased by the issuing entity and held in treasury. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 505 -SubTopic 30 -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481520/505-30-50-4Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 505 -SubTopic 30 -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481549/505-30-45-1 + Details Name: us-gaap_TreasuryStockCommonValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 14 R3.htm IDEA: XBRL DOCUMENT v3.24.3 Condensed Consolidated Balance Sheets (Parenthetical) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Statement of Financial Position [Abstract] Â Â Accumulated depreciation $ 25,146 $ 19,293 Preferred stock par value (in dollars per share) $ 0.001 $ 0.001 Preferred stock, shares authorized (in shares) 50,000,000 50,000,000 Preferred stock, shares issued (in shares) 0 0 Preferred stock, shares outstanding (in shares) 0 0 Common stock par value (in dollars per share) $ 0.001 $ 0.001 Common stock, shares authorized (in shares) 100,000,000 100,000,000 Common stock, shares issued (in shares) 46,652,061 37,791,084 Common stock, shares outstanding (in shares) 42,033,915 33,172,938 Treasury stock (in shares) 4,618,146 4,618,146 X - DefinitionFace amount or stated value per share of common stock. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_CommonStockParOrStatedValuePerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionThe maximum number of common shares permitted to be issued by an entity's charter and bylaws. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1 + Details Name: us-gaap_CommonStockSharesAuthorized Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionTotal number of common shares of an entity that have been sold or granted to shareholders (includes common shares that were issued, repurchased and remain in the treasury). These shares represent capital invested by the firm's shareholders and owners, and may be all or only a portion of the number of shares authorized. Shares issued include shares outstanding and shares held in the treasury. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_CommonStockSharesIssued Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of shares of common stock outstanding. Common stock represent the ownership interest in a corporation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 6: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3 + Details Name: us-gaap_CommonStockSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionFace amount or stated value per share of preferred stock nonredeemable or redeemable solely at the option of the issuer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13 + Details Name: us-gaap_PreferredStockParOrStatedValuePerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionThe maximum number of nonredeemable preferred shares (or preferred stock redeemable solely at the option of the issuer) permitted to be issued by an entity's charter and bylaws. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -

Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1 + Details Name: us-gaap_PreferredStockSharesAuthorized Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of shares issued for nonredeemable preferred shares and preferred shares redeemable solely at option of issuer. Includes, but is not limited to, preferred shares issued, repurchased, and held as treasury shares. Excludes preferred shares classified as debt. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13 + Details Name: us-gaap_PreferredStockSharesIssued Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionAggregate share number for all nonredeemable preferred stock (or preferred stock redeemable solely at the option of the issuer) held by stockholders. Does not include preferred shares that have been repurchased. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3 + Details Name: us-gaap_PreferredStockSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionAmount of accumulated depreciation and amortization from plant, property, and equipment and right-of-use asset from finance lease. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Subparagraph (a) -SubTopic 20 -Topic 842 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-4Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -SubTopic 20 -Topic 842 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_PropertyPlantAndEquipmentAndFinanceLeaseRightOfUseAssetAccumulatedDepreciationAndAmortization Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_StatementOfFinancialPositionAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionNumber of previously issued common shares repurchased by the issuing entity and held in treasury. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 505 -SubTopic 30 -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481549/505-30-45-1 + Details Name: us-gaap_TreasuryStockCommonShares Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant XML 15 R4.htm IDEA: XBRL DOCUMENT v3.24.3 Condensed Consolidated Statements of Operations - USD ($) shares in Thousands, $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Revenues: Â Â Â Â Revenue $ 34,774 $ 29,829 $ 81,919 $ 71,079 Cost of revenue, exclusive of depreciation and amortization 21,339 20,707 52,279 53,218 Operating expenses: Â Â Â Â Selling, general and administrative 8,058 8,297 22,735 27,574 Research and development 787 639 3,341 2,145 Depreciation, amortization, depletion and accretion 2,716 2,711 6,090 7,276 Gain on sale of assets (154) 0 (154) (2,695) Total operating expenses 11,407 11,647 32,012 34,300 Operating income (loss) 2,028 (2,525) (2,372) (16,439) Other (expense) income: Â Â Â Â Earnings from equity method investments 127 412 127 1,512 Interest expense (806) (787) (2,426) (2,155) Other 268 725 931 1,510 Total other (expense) income (411) 350 (1,368) 867 Income (loss) before income taxes 1,617 (2,175) (3,740) (15,572) Income tax (expense) benefit 0 0 (30) 33 Net income (loss) $ 1,617 $ (2,175) $ (3,770) $ (15,539) Income (loss) per common share (Note 1): Â Â Â Â Basic (in dollars per share) $ 0.04 $ (0.07) $ (0.11) $ (0.56) Diluted (in dollars per share) $ 0.04 $ (0.07) $ (0.11) $ (0.56) Weighted-average number of common shares outstanding: Â Â Â Â Basic (in shares) 36,124 31,807 34,085 27,894 Diluted (in shares) 37,442 31,807 34,085 27,894 X - DefinitionThe aggregate costs related to goods produced and sold and services rendered by an entity during the reporting period. This excludes costs incurred during the reporting period related to financial services rendered and other revenue generating activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(2)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(2)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 924 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 11.L) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479941/924-10-S99-1 + Details Name: us-gaap_CostOfGoodsAndServicesSold Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_CostOfRevenueAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe current period expense charged against earnings on long-lived, physical assets not used in production, and which are not intended for resale, to allocate or recognize the cost of such assets over their useful lives; or to record the reduction in book value of an intangible asset over the benefit period of such asset; or to reflect consumption during the period of an asset that is not used in production. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 360 -SubTopic 10 -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1 + Details Name: us-gaap_DepreciationAndAmortization Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_EarningsPerShareAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe amount of net income (loss) for the period per each share of common stock or unit outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-52Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-15Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7 + Details Name: us-gaap_EarningsPerShareBasic Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe amount of net income (loss) for the period available to each share of common stock or common unit outstanding during the reporting period and to each share or unit that would have been outstanding assuming the issuance of common shares or units for all dilutive potential common shares or units outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-52Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-15Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7 + Details Name: us-gaap_EarningsPerShareDiluted Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionAmount of gain (loss) on sale or disposal of assets, including but not limited to property plant and equipment, intangible assets and equity in securities of subsidiaries or equity method investee. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_GainLossOnDispositionOfAssets1 Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of income (loss) from continuing operations, including income (loss) from equity method investments, before deduction of income tax expense (benefit), and income (loss) attributable to noncontrolling interest. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 6: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 7: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (c) -Publisher

FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(11)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 9: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 31 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-31Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 235 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-05(b)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477314/942-235-S99-1Reference 11: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(10)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 12: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(15)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of income (loss) for proportionate share of equity method investee's income (loss). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(10)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481664/323-10-45-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(12)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(13)(f)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_IncomeLossFromEquityMethodInvestments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 6.I.7) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479360/740-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-10Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Subparagraph (a) -SubTopic 20 -Topic 740 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482659/740-20-45-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(h)) -SubTopic 10 -Topic 235 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1 + Details Name: us-gaap_IncomeTaxExpenseBenefit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of interest expense classified as nonoperating. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_InterestExpenseNonoperating Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-6Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 17: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-10Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe aggregate amount of income or expense from ancillary business-related activities (that is to say, excluding major activities considered part of the normal operations of the business). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_NonoperatingIncomeExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionGenerally recurring costs associated with normal operations except for the portion of these expenses which can be clearly related to production and included in cost of sales or services. Includes selling, general and administrative expense. + ReferencesNo definition available. + Details Name: us-gaap_OperatingExpenses Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe net result for the period of deducting operating expenses from operating revenues. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 31 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-31 + Details Name: us-gaap_OperatingIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_OtherIncomeAndExpensesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of income (expense) related to nonoperating activities, classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_OtherNonoperatingIncomeExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of expense for research and development. Includes, but is not limited to, cost for computer software product to be sold, leased, or otherwise marketed and writeoff of research and development assets acquired in transaction other than business combination or joint venture formation or both. Excludes write-down of intangible asset acquired in business combination or from joint venture formation or both, used in research and development activity. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI

https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 730 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482916/730-10-50-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 912 -SubTopic 730 -Name Accounting Standards Codification -Section 25 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479532/912-730-25-1 + Details Name: us-gaap_ResearchAndDevelopmentExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount, including tax collected from customer, of revenue from satisfaction of performance obligation by transferring promised good or service to customer. Tax collected from customer is tax assessed by governmental authority that is both imposed on and concurrent with specific revenue-producing transaction, including, but not limited to, sales, use, value-added and excise. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 41 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-41Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 4: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 924 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 11.L) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479941/924-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-5Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-40Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-4 + Details Name: us-gaap_RevenueFromContractWithCustomerIncludingAssessedTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_RevenuesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe aggregate total costs related to selling a firm's product and services, as well as all other general and administrative expenses. Direct selling expenses (for example, credit, warranty, and advertising) are expenses that can be directly linked to the sale of specific products. Indirect selling expenses are expenses that cannot be directly linked to the sale of specific products, for example telephone expenses, Internet, and postal charges. General and administrative expenses include salaries of non-sales personnel, rent, utilities, communication, etc. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_SellingGeneralAndAdministrativeExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe average number of shares or units issued and outstanding that are used in calculating diluted EPS or earnings per unit (EPU), determined based on the timing of issuance of shares or units in the period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 16 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-16 + Details Name: us-gaap_WeightedAverageNumberOfDilutedSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber of [basic] shares or units, after adjustment for contingently issuable shares or units and other shares or units not deemed outstanding, determined by relating the portion of time within a reporting period that common shares or units have been outstanding to the total time in that period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10 + Details Name: us-gaap_WeightedAverageNumberOfSharesOutstandingBasic Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_WeightedAverageNumberOfSharesOutstandingDilutedDisclosureItemsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 16 R5.htm IDEA: XBRL DOCUMENT v3.24.3 Condensed Consolidated Statements of Changes in Stockholders' Equity - USD ($) $ in Thousands Total Common Stock Treasury Stock Additional Paid-in Capital Retained Earnings Beginning balance (in shares) at Dec. 31, 2022 Â 23,788,319 Â Â Â Beginning balance at Dec. 31, 2022 $ 139,979 $ 24 $ (47,692) $ 103,698 $ 83,949 Beginning balance (in shares) at Dec. 31, 2022 Â Â (4,618,146) Â Â Increase (Decrease) in Stockholders' Equity [Roll Forward] Â Â Â Â Â Stock-based compensation (in shares) Â 483,242 Â Â Â Stock-based compensation 563 Â Â 563 Â Issuance of common stock pursuant to Arq Acquisition, net of offering costs (in shares) Â 3,814,864 Â Â Â Issuance of common stock pursuant to Arq Acquisition, net of offering costs 12,437 $ 4 Â 12,433 Â Issuance of common stock related to private placement transaction, net of offering costs (in shares) Â 3,842,315 Â Â Â Issuance of common stock related to private placement transaction, net of offering costs 15,220 $ 4 Â 15,216 Â Issuance of warrant 826 Â Â 826 Â Repurchase of common shares to satisfy minimum tax withholdings (in shares) Â (74,104) Â Â Â Repurchase of common shares to satisfy minimum tax withholdings (146) Â Â (146) Â Preferred stock dividends declared on redeemable preferred stock (157) Â Â Â (157) Net income (loss) (7,508) Â Â Â (7,508) Ending balance (in shares) at Mar. 31, 2023 Â 31,854,636 Â Â Â Ending balance at Mar. 31, 2023 161,214 $ 32 $ (47,692) 132,590 76,284 Ending balance (in shares) at Mar. 31, 2023 Â Â (4,618,146) Â Â Beginning balance (in shares) at Dec. 31, 2022 Â 23,788,319 Â Â Â Beginning balance at Dec. 31, 2022 139,979 $ 24 $ (47,692) 103,698 83,949 Beginning balance (in shares) at Dec. 31, 2022 Â Â (4,618,146) Â Â Increase (Decrease) in Stockholders' Equity [Roll Forward] Â Â Â Â Â Net income (loss) (15,539) Â Â Â Â Ending balance (in shares) at Sep. 30, 2023 Â 37,799,053 Â Â Â Ending balance at Sep. 30, 2023 174,294 $ 38 $ (47,692) 153,695 68,253 Ending balance (in shares) at Sep. 30, 2023 Â Â (4,618,146) Â Â Beginning balance (in shares) at Mar. 31, 2023 Â 31,854,636 Â Â Â Beginning balance at Mar. 31, 2023 161,214 $ 32 $ (47,692) 132,590 76,284 Beginning balance (in shares) at Mar. 31, 2023 Â Â (4,618,146) Â Â Increase (Decrease) in Stockholders' Equity [Roll Forward] Â Â Â Â Â Stock-based compensation (in shares) Â (16,430) Â Â Â Stock-based compensation 545 Â Â 545 Â Issuance of common stock upon conversion of preferred stock (in shares) Â 5,362,926 Â Â Â Issuance of common stock upon conversion of preferred stock 18,926 $ 5 Â 18,921 Â Repurchase of common shares to satisfy minimum tax withholdings (in shares) Â (6,973) Â Â Â Repurchase of common shares to satisfy minimum tax withholdings (14) Â Â (14) Â Net income (loss) (5,856) Â Â Â (5,856) Ending balance (in shares) at Jun. 30, 2023 Â 37,194,159 Â Â Â Ending balance at Jun. 30, 2023 174,815 $ 37 $ (47,692) 152,042 70,428 Ending balance (in shares) at Jun. 30, 2023 Â Â (4,618,146) Â Â Increase (Decrease) in Stockholders' Equity [Roll Forward] Â Â Â Â Â Stock-based compensation (in shares) Â 105,244 Â Â Â Stock-based compensation 702 Â Â 702 Â Issuance of common stock to related party (in shares) Â 527,779 Â Â Â Issuance of common stock to related party Â $ 1 Â 999 1,000 Repurchase of common shares to satisfy minimum tax withholdings (in shares) Â (28,129) Â Â Â Repurchase of common shares to satisfy minimum tax withholdings (48) Â Â (48) Â Net income (loss) (2,175) Â Â Â Â Ending balance (in shares) at Sep. 30, 2023 Â 37,799,053 Â Â Â Ending balance at Sep. 30, 2023 174,294 $ 38 $ (47,692) 153,695 68,253 Ending balance (in shares) at Sep. 30, 2023 Â Â (4,618,146) Â Â Beginning balance (in shares) at Dec. 31, 2023 Â 37,791,084 Â Â Â Beginning balance at Dec. 31, 2023 $ 178,400 $ 38 $ (47,692) 154,511 71,543 Beginning balance (in shares) at Dec. 31, 2023 (4,618,146) Â (4,618,146) Â Â Increase (Decrease) in Stockholders' Equity [Roll Forward] Â Â Â Â Â Stock-based compensation (in shares) Â 81,253 Â Â Â Stock-based compensation $ 782 Â Â 782 Â Repurchase of common shares to satisfy minimum tax withholdings (in shares) Â (104,163) Â Â Â Repurchase of common shares to satisfy minimum tax withholdings (599) Â Â (599) Â Exercise of warrant, net (in shares) Â 324,955 Â Â Â Net income (loss) (3,419) Â Â Â (3,419) Ending balance (in shares) at Mar. 31, 2024 Â 38,093,129 Â Â Â Ending balance at Mar. 31, 2024 175,164 $ 38 $ (47,692) 154,694 68,124 Ending balance (in shares) at Mar. 31, 2024 Â Â (4,618,146) Â Â Beginning balance (in shares) at Dec. 31, 2023 Â 37,791,084 Â Â Â Beginning balance at Dec. 31, 2023 $ 178,400 $ 38 $ (47,692) 154,511 71,543 Beginning balance (in shares) at Dec. 31, 2023 (4,618,146) Â (4,618,146) Â Â Increase (Decrease) in Stockholders' Equity [Roll Forward] Â Â Â Â Â Net income (loss) $ (3,770) Â Â Â Â Ending balance (in shares) at Sep. 30, 2024 Â 46,652,061 Â Â Â Ending balance at Sep. 30, 2024 $ 218,116 $ 47 $ (47,692) 197,988 67,773 Ending balance (in shares) at Sep. 30, 2024 (4,618,146) Â (4,618,146) Â Â Beginning balance (in shares) at Mar. 31, 2024 Â 38,093,129 Â Â Â Beginning balance at Mar. 31, 2024 $ 175,164 $ 38 $ (47,692) 154,694 68,124 Beginning balance (in shares) at Mar. 31, 2024 Â Â (4,618,146) Â Â Increase (Decrease) in Stockholders' Equity [Roll Forward] Â Â Â Â Â Stock-based compensation (in shares) Â (43,566) Â Â Â Stock-based compensation 653 Â Â 653 Â Issuance of common stock pursuant to Arq Acquisition, net of offering costs (in shares) Â 2,142,858 Â Â Â Issuance of common stock pursuant to Arq Acquisition, net of offering costs 14,951 $ 2 Â 14,949 Â Issuance of common stock to related party (in shares) Â 422,221 Â Â Â Issuance of common stock to related party 800 $ 1 Â 799 Â Net income (loss) (1,968) Â Â Â (1,968) Ending balance (in shares) at Jun. 30, 2024 Â 40,614,642 Â Â Â Ending balance at Jun. 30, 2024 189,600 $ 41 $ (47,692) 171,095 66,156 Ending balance (in shares) at Jun. 30, 2024 Â Â (4,618,146) Â Â Increase (Decrease) in Stockholders' Equity [Roll Forward] Â Â Â Â Â Stock-based compensation (in shares) Â 580,826 Â Â Â Stock-based compensation 750 $ 1 Â 749 Â Issuance of common stock in public offering, net of offering costs (in shares) Â 5,485,500 Â Â Â Issuance of common stock in public offering, net of offering costs 26,659 $ 5 Â 26,654 Â Repurchase of common shares to satisfy minimum tax withholdings (in shares) Â (28,907) Â Â Â Repurchase of common shares to satisfy minimum tax withholdings (510) Â Â (510) Â Net income (loss) 1,617 Â Â Â 1,617 Ending balance (in shares) at Sep. 30, 2024 Â 46,652,061 Â Â Â Ending balance at Sep. 30, 2024 $ 218,116 $ 47 $ (47,692) $ 197,988 $ 67,773 Ending balance (in shares) at Sep. 30, 2024 (4,618,146) Â (4,618,146) Â Â X - DefinitionStock Issued During Period, Shares, Conversion of Preferred Stock + ReferencesNo definition available. + Details Name: ades_StockIssuedDuringPeriodSharesConversionOfPreferredStock Namespace Prefix: ades_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionStock Issued During Period, Shares, Private Placement, Net + ReferencesNo definition available. + Details Name: ades_StockIssuedDuringPeriodSharesPrivatePlacementNet Namespace Prefix: ades_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionStock Issued During Period, Shares, Related Party + ReferencesNo definition available. + Details Name: ades_StockIssuedDuringPeriodSharesRelatedParty Namespace Prefix: ades_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionStock Issued During Period, Shares, Warrant Exercised + ReferencesNo definition available. + Details Name: ades_StockIssuedDuringPeriodSharesWarrantExercised Namespace Prefix: ades_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionStock Issued During Period, Value, Conversion of Preferred Stock + ReferencesNo definition available. + Details Name: ades_StockIssuedDuringPeriodValueConversionOfPreferredStock Namespace Prefix: ades_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionStock Issued During Period, Value, Private Placement, Net + ReferencesNo definition available. + Details Name: ades_StockIssuedDuringPeriodValuePrivatePlacementNet Namespace Prefix: ades_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionStock Issued During Period, Value, Related Party + ReferencesNo definition available. + Details Name: ades_StockIssuedDuringPeriodValueRelatedParty Namespace Prefix: ades_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of decrease to equity for grantee's tax withholding obligation for award under share-based payment arrangement. + ReferencesNo definition available. + Details Name: us-gaap_AdjustmentsRelatedToTaxWithholdingForShareBasedCompensation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of increase in additional paid in capital (APIC) resulting from the issuance of warrants. Includes allocation of proceeds of debt securities issued with detachable stock purchase warrants. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 470 -SubTopic 20 -Section 25 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481284/470-20-25-2 + Details Name: us-gaap_AdjustmentsToAdditionalPaidInCapitalWarrantIssued Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of paid and unpaid common stock dividends declared with the form of settlement in cash. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_DividendsCommonStockCash Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionA roll forward is a reconciliation of a concept from the beginning of a period to the end of a period. + ReferencesNo definition available. + Details Name: us-gaap_IncreaseDecreaseInStockholdersEquityRollForward Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-6Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic

40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 17: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-10Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionNumber of shares issued which are neither cancelled nor held in the treasury. + ReferencesNo definition available. + Details Name: us-gaap_SharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of shares used to settle grantee's tax withholding obligation for award under share-based payment arrangement. + ReferencesNo definition available. + Details Name: us-gaap_SharesPaidForTaxWithholdingForShareBasedCompensation Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber of shares of stock issued during the period pursuant to acquisitions. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodSharesAcquisitions Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber of new stock issued during the period. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 505 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478448/946-505-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-03(i)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479886/946-10-S99-3Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodSharesNewIssues Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber, after forfeiture, of shares or units issued under share-based payment arrangement. Excludes shares or units issued under employee stock ownership plan (ESOP). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodSharesShareBasedCompensation Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionValue of stock issued pursuant to acquisitions during the period. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodValueAcquisitions Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionEquity impact of the value of new stock issued during the period. Includes shares issued in an initial public offering or a secondary public offering. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-11Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 205 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478009/946-205-45-4Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 505 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478448/946-505-50-2Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodValueNewIssues Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionValue, after forfeiture, of shares issued under share-based payment arrangement. Excludes employee stock ownership plan (ESOP). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 10 -Section 50 -Paragraph 2 -Subparagraph (d)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_StockIssuedDuringPeriodValueShareBasedCompensation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(31)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 12: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 13: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 14: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 4.E) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480418/310-10-S99-2 + Details Name: us-gaap_StockholdersEquity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionNumber of previously issued common shares repurchased by the issuing entity and held in treasury. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 505 -SubTopic 30 -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481549/505-30-45-1 + Details Name: us-gaap_TreasuryStockCommonShares Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant XML 17 R6.htm IDEA: XBRL DOCUMENT v3.24.3 Condensed Consolidated Statements of Cash Flows - USD ($) $ in Thousands 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Cash flows from operating activities Â Â Net loss $ (3,770) $ (15,539) Adjustments to reconcile net loss to net cash provided by (used in) operating activities: Â Â Depreciation, amortization, depletion and accretion 6,090 7,276 Stock-based compensation expense 2,185 1,810 Operating lease expense 1,518 2,061 Amortization of debt discount and debt issuance costs 450 395 Gain on sale of assets (154) (2,695) Earnings from equity method investments (127) (1,512) Other non-cash items, net (113) 0 Changes in operating assets and liabilities: Â Â

Receivables and related party receivables (399) (359) Prepaid expenses and other assets 1,812 3,595 Inventories, net 2,486 (811) Other long-term assets, net (1,366) (3,646) Accounts payable and accrued expenses (2,611) (12,033) Other current liabilities 1,467 148 Operating lease liabilities (1,255) (140) Other long-term liabilities (945) 305 Net cash provided by (used in) operating activities 5,268 (21,145) Cash flows from investing activities Â Â Acquisition of property, plant, equipment, and intangible assets, net (42,210) (17,008) Acquisition of mine development costs (167) (1,856) Proceeds from sale of property and equipment 150 0 Distributions from equity method investees in excess of cumulative earnings 127 1,512 Cash and restricted cash acquired in business acquisition 0 2,225 Payment for disposal of Marshall Mine, LLC 0 (2,177) Net cash used in investing activities (42,100) (17,304) Cash flows from financing activities Â Â Net proceeds from common stock issued in private placement transactions 14,951 15,220 Repurchase of common stock to satisfy tax withholdings (1,109) (208) Principal payments on finance lease obligations (838) (855) Principal payments on notes payable (404) (341) Net proceeds from CFG Loan, related party, net of discount and issuance costs 0 8,522 Net cash provided by financing activities 40,059 23,338 Increase (decrease) in Cash and Restricted Cash 3,227 (15,111) Cash and Restricted Cash, beginning of period 54,153 76,432 Cash and Restricted Cash, end of period 57,380 61,321 Supplemental disclosure of non-cash investing and financing activities: Â Â Change in accrued purchases for property and equipment 8,199 255 Purchase of property and equipment through note payable 258 0 Equity issued as consideration for acquisition of business 0 31,206 Paid-in-kind dividend on Series A Preferred Stock 0 157 Public Offerings Â Â Cash flows from financing activities Â Â Net proceeds from common stock issued 26,659 0 Related Party Â Â Cash flows from financing activities Â Â Net proceeds from common stock issued $ 800 $ 1,000 X - DefinitionAcquisition of Mine Development Costs + ReferencesNo definition available. + Details Name: ades_AcquisitionOfMineDevelopmentCosts Namespace Prefix: ades_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionDisposal Group, Payment Of Liabilities Assumed + ReferencesNo definition available. + Details Name: ades_DisposalGroupPaymentOfLiabilitiesAssumed Namespace Prefix: ades_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionIncrease (Decrease) in Accounts Receivable and Increase (Decrease) in Accounts Receivable, Related Parties + ReferencesNo definition available. + Details Name: ades_IncreaseDecreaseinAccountsReceivableandIncreaseDecreaseinAccountsReceivableRelatedParties Namespace Prefix: ades_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionIncrease (Decrease) in Operating Lease Liabilities + ReferencesNo definition available. + Details Name: ades_IncreaseDecreaseinOperatingLeaseLiabilities Namespace Prefix: ades_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionPurchase Of Property And Equipment Through Notes Payable + ReferencesNo definition available. + Details Name: ades_PurchaseOfPropertyAndEquipmentThroughNotesPayable Namespace Prefix: ades_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_AdjustmentsToReconcileNetIncomeLossToCashProvidedByUsedInOperatingActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of amortization expense attributable to debt discount (premium) and debt issuance costs. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69E -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69EReference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69F -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69FReference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-3 + Details Name: us-gaap_AmortizationOfFinancingCostsAndDiscounts Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of acquirer's equity interest issued and issuable as part of consideration transferred in asset acquisition. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 805 -SubTopic 50 -Name Accounting Standards Codification -Section 25 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480060/805-50-25-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 805 -SubTopic 50 -Name Accounting Standards Codification -Section 30 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480027/805-50-30-1Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 805 -SubTopic 50 -Name Accounting Standards Codification -Section 30 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480027/805-50-30-2 + Details Name: us-gaap_AssetAcquisitionConsiderationTransferredEquityInterestIssuedAndIssuable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionFuture cash outflow to pay for purchases of fixed assets that have occurred. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-4Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-3Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-5 + Details Name: us-gaap_CapitalExpendituresIncurredButNotYetPaid Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe cash inflow associated with the acquisition of business during the period (for example, cash that was held by the acquired business). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 12 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-12 + Details Name: us-gaap_CashAcquiredFromAcquisition Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage. Excludes amount for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4 + Details Name: us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of increase (decrease) in cash, cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; including effect from exchange rate change. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 1 -SubTopic 230 -Topic 830 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477401/830-230-45-1 + Details Name: us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_CashFlowNoncashInvestingAndFinancingActivitiesDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe aggregate expense recognized in the current period that allocates the cost of tangible assets, intangible assets, or depleting assets to periods that benefit from use of the assets. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22 + Details Name: us-gaap_DepreciationDepletionAndAmortization Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of paid and unpaid preferred stock dividends declared with the form of settlement in payment-in-kind (PIK). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 2 -SubTopic 405 -Topic 942 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477787/942-405-45-2 + Details Name: us-gaap_DividendsPreferredStockPaidinkind Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash outflow for principal payment on finance lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 5 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-5 + Details Name: us-gaap_FinanceLeasePrincipalPayments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of gain (loss) on sale or disposal of assets, including but not limited to property plant and equipment, intangible assets and equity in securities of subsidiaries or equity method investee. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_GainLossOnDispositionOfAssets1 Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of income (loss) for proportionate share of equity method investee's income (loss). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(10)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481664/323-10-45-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(12)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(13)(f)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_IncomeLossFromEquityMethodInvestments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in the amounts payable to vendors for goods and services received and the amount of obligations and expenses incurred but not paid. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInAccountsPayableAndAccruedLiabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in the aggregate value of all inventory held by the reporting entity, associated with underlying transactions that are classified as operating activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInInventories Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_IncreaseDecreaseInOperatingCapitalAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of increase (decrease) in current liabilities classified as other. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInOtherCurrentLiabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of increase (decrease) in noncurrent assets classified as other. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInOtherNoncurrentAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of increase (decrease) in noncurrent operating liabilities classified as other. + ReferencesNo definition available. + Details Name: us-gaap_IncreaseDecreaseInOtherNoncurrentLiabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of increase (decrease) in prepaid expenses, and assets classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInPrepaidDeferredExpenseAndOtherAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash inflow (outflow) from financing activities, including discontinued operations. Financing activity cash flows include obtaining resources from owners and providing them with a return on, and a return of, their investment; borrowing money and repaying amounts borrowed, or settling the obligation; and obtaining and paying for other resources obtained from creditors on long-term credit. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24 + Details Name: us-gaap_NetCashProvidedByUsedInFinancingActivities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetCashProvidedByUsedInFinancingActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of cash inflow (outflow) from investing activities, including discontinued operations. Investing activity cash flows include making and collecting loans and acquiring and disposing of debt or equity instruments and property, plant, and equipment and other productive assets. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -

SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24 + Details Name: us-gaap_NetCashProvidedByUsedInInvestingActivities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetCashProvidedByUsedInInvestingActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of cash inflow (outflow) from operating activities, including discontinued operations. Operating activity cash flows include transactions, adjustments, and changes in value not defined as investing or financing activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-25 + Details Name: us-gaap_NetCashProvidedByUsedInOperatingActivities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetCashProvidedByUsedInOperatingActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-6Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 17: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-10Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of periodic reduction over lease term of carrying amount of right-of-use asset from operating lease. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_OperatingLeaseRightOfUseAssetAmortizationExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionOther cash or noncash adjustments to reconcile net income to cash provided by (used in) operating activities that are not separately disclosed in the statement of cash flows (for example, cash received or cash paid during the current period for miscellaneous operating activities, net change during the reporting period in other assets or other liabilities). + ReferencesNo definition available. + Details Name: us-gaap_OtherOperatingActivitiesCashFlowStatement Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash outflow to satisfy grantee's tax withholding obligation for award under share-based payment arrangement. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 15 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-15 + Details Name: us-gaap_PaymentsRelatedToTaxWithholdingForShareBasedCompensation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe cash outflow for purchases of and capital improvements on property, plant and equipment (capital expenditures), software, and other intangible assets. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 805 -SubTopic 50 -Name Accounting Standards Codification -Section 25 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480060/805-50-25-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 805 -SubTopic 50 -Name Accounting Standards Codification -Section 30 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480027/805-50-30-1Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 805 -SubTopic 50 -Name Accounting Standards Codification -Section 30 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480027/805-50-30-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 13 -Subparagraph (c) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-13 + Details Name: us-gaap_PaymentsToAcquireProductiveAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of distribution received from equity method investee for return of investment, classified as investing activities. Excludes distribution for return on investment, classified as operating activities. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 12 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-12Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 21D -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-21D + Details Name: us-gaap_ProceedsFromEquityMethodInvestmentDividendsOrDistributionsReturnOfCapital Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe cash inflow from the additional capital contribution to the entity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 14 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14 + Details Name: us-gaap_ProceedsFromIssuanceOfCommonStock Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe cash inflow associated with the amount received from entity's raising of capital via private rather than public placement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 14 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14 + Details Name: us-gaap_ProceedsFromIssuanceOfPrivatePlacement Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash inflow from debt classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 14 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14 + Details Name: us-gaap_ProceedsFromOtherDebt Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe cash inflow from the sale of long-lived, physical assets that are used in the normal conduct of business to produce goods and services and not intended for resale. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 12 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-12 + Details Name: us-gaap_ProceedsFromSaleOfPropertyPlantAndEquipment Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe cash outflow for a borrowing supported by a written promise to pay an obligation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 15 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-15 + Details Name: us-gaap_RepaymentsOfNotesPayable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of noncash expense for share-based payment arrangement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_ShareBasedCompensation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - Details Name: us-gaap_RelatedPartyTransactionsByRelatedPartyAxis=ades_PublicOfferingsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_RelatedPartyTransactionsByRelatedPartyAxis=us-gaap_RelatedPartyMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 18 R7.htm IDEA: XBRL DOCUMENT v3.24.3 Organization and Basis of Presentation 9 Months Ended Sep. 30, 2024 Accounting Policies [Abstract] Â Organization and Basis of Presentation Organization and Basis of PresentationArq, Inc. ("Arq" or the "Company"), is an environmental technology company that is principally engaged in the sale of consumable air, water, and soil treatment solutions including activated carbon ("AC") and chemical technologies. The Company's proprietary AC products enable customers to reduce air, water, and soil contaminants, including mercury, per and polyfluoroalkyl substances ("PFAS") and other pollutants, to help our customers meet the challenges of existing and pending air quality and water regulations. The Company manufactures and sells AC and other chemicals used to capture and remove contaminants for coal-fired power generation, industrial, municipal water and air, water, and soil treatment and remediation markets (collectively, the advanced purification technologies or "APT" market).The Companyâ€™s primary products are comprised of AC, which is produced from a variety of carbonaceous raw materials. The Companyâ€™s AC products include both powdered activated carbon ("PAC") and granular activated carbon ("GAC"). Additionally, the Company owns the Five Forks Mine, a lignite mine that currently supplies the primary raw material for the manufacturing of the Companyâ€™s products.The Company, formerly known as Advanced Emissions Solutions, Inc., is a Delaware corporation with its principal office located in Greenwood Village, Colorado, manufacturing, mining and logistics operations located in Louisiana and coal waste recovery and manufacturing operations located in Kentucky. In February 2023, the Company acquired 100% of the equity of the subsidiaries of Arq Limited (the "Arq Acquisition," and hereafter the Arq Limited subsidiaries are referred to as "Legacy Arq") to secure access to a feedstock, a manufacturing facility and certain patented processes as a means to manufacture additional GAC products for sale into the APT and other markets. With the Arq Acquisition, the Company now controls bituminous coal waste reserves and owns a manufacturing facility, both located in Corbin, Kentucky (the "Corbin Facility"), and a process to recover and purify the bituminous coal waste for sale or further conversion to GAC products. Using the Corbin Facility's manufacturing process, the Company is converting bituminous coal waste into a purified, microfine carbon powder known as Arq powderTM ("Arq Powder"). See further discussion of the Arq Acquisition in Note 2.Basis of PresentationThe accompanying Condensed Consolidated Financial Statements of Arq are unaudited and have been prepared in conformity with accounting principles generally accepted in the United States ("U.S. GAAP") and with Article 10 of Regulation S-X of the Securities and Exchange Commission. In compliance with those instructions, certain

information and footnote disclosures normally included in annual consolidated financial statements prepared in accordance with U.S. GAAP have been condensed or omitted. The unaudited Condensed Consolidated Financial Statements of Arq in this quarterly report ("Quarterly Report") are presented on a consolidated basis and include Arq and its wholly-owned subsidiaries (collectively, the "Company"). Also included within the unaudited Condensed Consolidated Financial Statements are the Company's unconsolidated equity investments, Tinuum Group and Tinuum Services, which are accounted for under the equity method of accounting, and Highview Enterprises Limited (the "Highview Investment"), which is accounted for in accordance with U.S. GAAP applicable to equity investments that do not qualify for the equity method of accounting. Results of operations and cash flows for the interim periods are not necessarily indicative of the results that may be expected for the entire year. All significant intercompany transactions and accounts were eliminated in consolidation for all periods presented in this Quarterly Report.In the opinion of management, these Condensed Consolidated Financial Statements include all normal and recurring adjustments considered necessary for a fair presentation of the results of operations, financial position, stockholders' equity and cash flows for the interim periods presented. These Condensed Consolidated Financial Statements should be read in conjunction with the Companyâ€™s Annual Report on Form 10-K for the year ended DecemberÂ 31, 2023 (the "2023 Form 10-K"). Significant accounting policies disclosed therein have not changed.Earnings (Loss) Per ShareBasic earnings (loss) per share is computed using the weighted-average number of shares of the Company's common stock outstanding during the reporting period. Diluted earnings (loss) per share is computed in a manner consistent with that of basic earnings per share, while considering other potentially dilutive securities. For the three and nine months ended SeptemberÂ 30, 2024 and SeptemberÂ 30, 2023, potentially dilutive securities consist of unvested restricted stock awards ("RSAs"), stock options and contingent performance stock units ("PSUs"). The following table sets forth the calculations of basic and diluted loss per share: Â Three Months Ended September 30,Nine Months Ended September 30,(in thousands, except per share amounts)2024202320242023Net income (loss)$1,617Â $(2,175)$(3,770)$(15,539)Less: Dividends declared on redeemable preferred stockâ€”Â â€”Â â€”Â 157Â Income (loss) attributable to common stockholders$1,617Â $(2,175)$(3,770)$(15,696)Basic weighted-average common shares outstanding36,124Â 31,807Â 34,085Â 27,894Â Add: dilutive effect of equity instruments1,318Â â€”Â â€”Â â€”Â Diluted weighted-average shares outstanding37,442Â 31,807Â 34,085Â 27,894Â Earnings (loss) per share - basic$0.04Â (0.07)(0.11)$(0.56)Earnings (loss) per share - diluted$0.04Â (0.07)(0.11)$(0.56)For the three and nine months ended SeptemberÂ 30, 2024 and 2023, potentially dilutive securities of 0.3 million and 2.3 million and 2.5 million and 1.4 million shares of common stock, respectively, are outstanding but are not included in the calculation of diluted net loss per share because the effect would be anti-dilutive. Use of EstimatesThe preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the amounts reported in the financial statements and accompanying notes. There have been no changes in the Company's critical accounting estimates from those that were disclosed in the 2023 Form 10-K. Actual results could differ from these estimates.Fair value measurementsThe carrying amounts of our cash, restricted cash, accounts receivable, accounts payable and other current liabilities approximate fair value as recorded due to the short-term nature of these instruments. SeasonalityThe timing of the sale of consumable products is dependent upon several factors. Power generation is weather dependent, with electricity and steam production varying in response to heating and cooling demands. As a result, the Company's revenue is generally higher in our first and third fiscal quarters during the warmer and colder months of the year, respectively. Abnormally high and low temperatures during the summer and winter months, respectively, may significantly increase coal consumption for electricity generation and cause increased impurities within various municipalities' water sources, and thus increase the demand for the Company's products. Additionally, power generating units routinely schedule maintenance outages in the spring and/or fall depending on the operation of their boilers. During the period in which an outage may occur, which may range from one week to over a month, the Company's product sales may decrease.Also, the Company's revenue and sales volumes are highly dependent upon the level of coal consumption at coal-fired power plants, which in turn is significantly affected by the prices of competing power generation sources, such as natural gas and renewables. During periods of low natural gas prices, natural gas provides a competitive alternative to coal-fired power generation and therefore, coal consumption for power generation may be reduced, which in turn reduces the demand for the Company's products. In contrast, during periods of higher prices for competing power generation sources, coal consumption generally increases, which generally increases demand for the Company's products.In the sale of water purification products, demand is driven largely from municipal water treatment facilities. Depending on weather conditions and other environmental factors, the summer months historically have the highest demand for the Company's products used in water treatment. One of the major uses for PAC is for the treatment of taste and odor episodes caused by increased degradation of organic contaminants and natural materials in water that occurs during the summer months. Additionally, the rainy season generally results in more demand from water municipalities due to rain run-offs and contaminant dilution.ReclassificationsCertain balances have been reclassified from the prior year to conform to the current year presentation. Such reclassifications had no effect on the Companyâ€™s results of operations or financial position in any of the periods presented.New Accounting StandardsIn November 2023, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update 2023-07, Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures ("ASU 2023-07"). ASU 2023-07 is intended to improve reportable segment disclosures and to enhance disclosures of reportable segment expenses. This ASU is effective for annual reporting periods beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024. Early adoption is permitted. ASU 2023-07 is required to be applied retrospectively to all prior periods presented in the financial statements. Because the amendments do not change the methodology for the identification of operating segments, the aggregation of those operating segments or the application of the quantitative thresholds to determine reportable segments, we do not expect the guidance to have a material effect on our financial position or results of operations. In December 2023, the FASB issued Accounting Standards Update 2023-09, Income Taxes (Topic 740): Improvements to Income Tax Disclosures. ("ASU 2023-09"). ASU 2023-09 requires entities to disclose: (1) consistent categories and greater disaggregation of information in the rate reconciliation and (2) the disaggregation of income taxes paid by jurisdiction. This update also makes several other changes to the income tax disclosure requirements. For public entities, the amendments in ASU 2023-09 are effective for fiscal years beginning after December 15, 2024, with early adoption permitted, and is required to be applied prospectively, but retrospective application is permitted. The Company is currently evaluating the impact of ASU 2023-09 on its income tax disclosures. X - ReferencesNo definition available. + Details Name: us-gaap_AccountingPoliciesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for the general note to the financial statements for the reporting entity which may include, descriptions of the basis of presentation, business description, significant accounting policies, consolidations, reclassifications, new pronouncements not yet adopted and changes in accounting principles. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 235 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/235/tableOfContentReference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 275 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/275/tableOfContentReference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 810 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/810/tableOfContentReference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 250 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/250/tableOfContent + Details Name: us-gaap_OrganizationConsolidationBasisOfPresentationBusinessDescriptionAndAccountingPoliciesTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 19 R8.htm IDEA: XBRL DOCUMENT v3.24.3 Arq Acquisition 9 Months Ended Sep. 30, 2024 Business Combination, Asset Acquisition, and Joint Venture Formation [Abstract] Â Arq Acquisition Arq AcquisitionOn FebruaryÂ 1, 2023 (the "Acquisition Date"), the Company entered into a securities purchase agreement (the "Purchase Agreement") with Arq Limited ("Arq Ltd.") to acquire 100% of the equity of Legacy Arq in exchange for consideration (the "Purchase Consideration") totaling $31.2 million, and consisting of (i) 3,814,864 shares of the Company's common stock and (ii) 5,294,462 shares of the Company's Series A Convertible Preferred Stock, par value $0.001 per share (the "Series A Preferred Stock" or the "Preferred Shares"). The Company accounted for the Arq Acquisition as an acquisition of a business, and the total Purchase Consideration of $31.2 million was allocated to the acquired assets and assumed liabilities of Legacy Arq based on their estimated fair values as of the Acquisition Date. The Purchase Consideration was comprised of the fair values as of the Acquisition Date of 3,814,864 shares of the Company's common stock, valued at $12.4 million, and 5,294,462 Preferred Shares, valued at $18.8 million. The Company also incurred $8.7 million in acquisition-related costs, which were expensed as incurred during fiscal years 2022 and 2023 and included in the "Selling, general and administrative" line item in the Statements of Operations for those years. Legacy Arq's principal location is in Corbin, Kentucky where it operates the Corbin Facility, which processes bituminous coal waste into Arq Powder. Arq Powder can be used in high value applications, such as for a raw material to produce GAC products or as an additive in other applications. With the completion of the Arq Acquisition, the Company intends to use Arq Powder as a feedstock to produce high-quality AC for use in water and air purification markets. The Company expects to begin using Arq Powder to produce GAC products during the first quarter of 2025.The following table provides the final purchase price allocation to the assets acquired and liabilities assumed as of the Acquisition Date:(in thousands)Purchase Price AllocationFair value of assets acquired:Cash$1,411Â Prepaid expenses and other current assets2,229Â Restricted cash, long-term814Â Property, plant and equipment, net39,159Â Other long-term assets, net11,717Â Amount attributable to assets acquired55,330Â Fair Value of liabilities assumed:Accounts payable and accrued expenses9,806Â Current portion of long-term debt494Â Other current liabilities103Â Long-term debt, net of current portion9,199Â Other long-term liabilities4,523Â Amount attributable to liabilities assumed24,125Â Net assets acquired$31,205Â The following represents the intangible asset identified as part of the Arq Acquisition and which is included in "Other long-term-assets, net" in the table above:(in thousands)AmountWeighted Average Useful Life (years)Developed technology$7,700Â 20Series A Preferred StockIn connection with the issuance of the Series A Preferred Stock pursuant to the Purchase Agreement, the Company filed the Certificate of Designations of Preferred Stock for the Series A Preferred Stock (the "Certificate of Designations") with the Secretary of State of the State of Delaware. Under the Certificate of Designations, 8.9 million preferred shares were designated as Series A Preferred Stock.Of the total Preferred Shares issued in the Arq Acquisition, 833,914 were held in escrow (the "Escrow Shares") based on a contingent redemption feature. The fair value of the Preferred Shares issued was determined to be $3.46 per Preferred Share on the Acquisition Date plus the value of the contingent redemption feature related to the Escrow Shares. The Escrow Shares were converted into shares of the Company's common stock (the "Escrow Common Shares") on the Conversion Date, as defined below.Pursuant to the terms of the Series A Preferred Stock, on March 31, 2023, the Company declared a dividend of 68,464 Series A paid-in kind shares (the "PIK Dividend") with respect to the accrued dividends on the Preferred Shares for the first quarter of 2023. The PIK Dividend was recorded at the estimated fair value of $0.2 million as of March 31, 2023 and was paid on AprilÂ 21, 2023.On June 13, 2023 (the "Conversion Date"), the Company's stockholders approved the conversion of all of the outstanding shares of Series A Preferred Stock, including the Escrow Shares, and the corresponding issuance of shares of the Company's common stock. Upon such approval, each outstanding share of Series A Preferred Stock was automatically converted into the number of shares of the Company's common stock described below. Each share of Series A Preferred Stock was deemed to have an original issue price of $4.00 per share (the "Original Issue Amount"). The number of shares of the Company's common stock issued upon conversion of each share of Series A Preferred Stock was equal to the product of (i) the sum of (A) the Original Issue Amount plus (B) an amount equal to the cumulative amount of the accrued and unpaid dividends on such share at such time divided by (ii) the Original Issue Amount, subject to adjustment.The Escrow Common Shares were withheld pending a determination by the United States Internal Revenue Service (the "IRS") that no tax withholding was required by Arq Ltd. on the Purchase Consideration issued to Arq Ltd. (the "Arq Ltd. Tax Liability"). The Company estimated the fair value of the potential Arq Ltd. Tax Liability at $3.3 million. In the event that the IRS determined that no withholding was required by Arq Ltd., all of the Escrow Common Shares would be released and delivered to Arq Ltd. In the event that the IRS determined that any amount of withholding was required by Arq Ltd., the Company agreed to redeem a sufficient number of Escrow Common Shares to fund the required payment to the IRS, and that number of Escrow Common Shares would be returned to the Company. In April 2024, the Company received notice from Arq Ltd. that the IRS had approved its filing for no tax withholding on the Purchase Consideration. Accordingly, in April 2024, the Company instructed its stock transfer agent to release the Escrow Common Shares to the Arq Ltd. stockholders. Equity FinancingOn FebruaryÂ 1, 2023, and pursuant to the Arq Acquisition, the Company entered into Subscription Agreements (the "Subscription Agreements") with certain persons (the "Subscribers"), which included existing shareholders of Arq Ltd., three of which were appointed to the Company's Board of Directors (the "Board"), pursuant to which the Subscribers subscribed for and purchased shares of the Company's common stock for an aggregate purchase price of $15.4 million and at a price per share of $4.00 (such transaction, the "PIPE Investment").Unaudited Pro Forma Financial InformationThe following represents the pro forma effects for the nine months ended SeptemberÂ 30, 2023 of the Arq Acquisition as if it had occurred on January 1, 2023. The pro forma net loss for the period presented has been calculated after applying the Companyâ€™s accounting policies in effect for that period. In addition, pro forma net loss includes: (1) a decrease in depreciation and amortization of $0.2Â million resulting from fair value adjustments to Property, plant, equipment; (2) an increase in amortization of $0.1Â million resulting from fair value adjustments to intangible assets; and (3) increases to interest expense of $0.2Â million for: (a) the issuance of the CFG Loan (as defined below) including stated interest and the amortization of the CFG Loan's discount and issuance costs and (b) amortization of debt discount related to a fair value adjustment to the CTB Loan (as defined below), which was assumed by the Company on the Acquisition Date; together with the income tax effects on (1) through (3). Since Legacy Arq had no revenues for the nine months ended SeptemberÂ 30, 2023, pro forma revenues are the same as the Company's reported revenues for that period.(in thousands)Nine Months Ended September 30, 2023Revenues$71,079Â Net loss$(12,100) X - ReferencesNo definition available. + Details Name: us-gaap_BusinessCombinationAndAssetAcquisitionAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for business combinations, including leverage buyout transactions (as applicable), and divestitures. This may include a description of a business combination or divestiture (or series of individually immaterial business combinations or divestitures) completed during the period, including background, timing, and assets and liabilities recognized and reclassified or sold. This element does not include fixed asset sales and plant closings. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 805 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/805/tableOfContentReference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/205-20/tableOfContent + Details Name: us-gaap_MergersAcquisitionsAndDispositionsDisclosuresTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 20 R9.htm IDEA: XBRL DOCUMENT v3.24.3 Revenues 9 Months Ended Sep. 30, 2024 Revenue from Contract with Customer [Abstract] Â Revenues RevenueFor the three and nine months ended SeptemberÂ 30, 2024 and 2023, all material performance obligations related to revenue recognized were satisfied at a point in time. For the three and nine months ended SeptemberÂ 30, 2024, approximately 5% and 7%, respectively, of total revenue was generated in Canada, and all other revenues were generated in the U.S. For the three and nine months ended SeptemberÂ 30, 2023, 7% and 8%, respectively, of total revenue was generated in Canada, and all other revenues were generated in the U.S.Trade receivables Trade receivables represent an unconditional right to consideration in exchange for goods or services transferred to a customer. The Company invoices its customers in accordance with the terms of the contract. Credit terms are generally net 30 - 45 days from the date of invoice. The timing between the satisfaction of performance obligations and when payment is due from the customer is generally not significant. Contract assetsContract assets are comprised of unbilled receivables from customers and are included in Receivables, net in the Consolidated Balance Sheets. Unbilled receivables represent a conditional right to consideration in exchange for goods or services transferred to a customer. The following table shows the components of the Company's Receivables, net:As of(in thousands)September 30, 2024December 31, 2023Trade and other receivables, net$16,465Â $11,330Â Unbilled receivables125Â 4,862Â Receivables, net$16,590Â $16,192Â Contract liabilitiesContract liabilities are comprised of deferred revenue, which represents an obligation to transfer goods or services to a customer for which the Company has received consideration from the customer and, if deliverable within one year or less, are included in "Other current liabilities" in the Condensed Consolidated Balance Sheets and, if deliverable outside of one year, are included in "Other long-term liabilities" in the Condensed Consolidated Balance Sheets. X - ReferencesNo definition available. + Details Name: us-gaap_RevenueFromContractWithCustomerAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure of revenue from contract with customer to transfer good or service and to transfer nonfinancial asset. Includes, but is not limited to, disaggregation of revenue, credit loss recognized from contract with customer, judgment and change in judgment related to contract with customer, and asset recognized from cost incurred to obtain or fulfill contract with customer. Excludes insurance and lease contracts. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-9Reference 2:

http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-15Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-13Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Topic 606 -Publisher FASB -URI https://asc.fasb.org/606/tableOfContent + Details Name: us-gaap_RevenueFromContractWithCustomerTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 21 R10.htm IDEA: XBRL DOCUMENT v3.24.3 Inventories, net 9 Months Ended Sep. 30, 2024 Inventory Disclosure [Abstract] Â Inventories, net Inventories, netThe following table summarizes the Company's inventories as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023:As of(in thousands)September 30, 2024December 31, 2023Product inventory, net$11,498Â $9,524Â Raw material inventory6,989Â 10,169Â Total inventories, net$18,487Â $19,693Â X - ReferencesNo definition available. + Details Name: us-gaap_InventoryDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for inventory. Includes, but is not limited to, the basis of stating inventory, the method of determining inventory cost, the classes of inventory, and the nature of the cost elements included in inventory. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 330 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/330/tableOfContent + Details Name: us-gaap_InventoryDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 22 R11.htm IDEA: XBRL DOCUMENT v3.24.3 Debt Obligations 9 Months Ended Sep. 30, 2024 Debt Disclosure [Abstract] Â Debt Obligations Debt ObligationsAs of(in thousands)September 30, 2024December 31, 2023CFG Loan due February 2027, related party$10,000Â $10,000Â CTB Loan due January 20369,123Â 9,527Â Finance lease obligations2,192Â 3,465Â Other258Â â€”Â 21,573Â 22,992Â Unamortized debt discounts(623)(815)Unamortized debt issuance costs(992)(1,250)19,958Â 20,927Â Less: Current maturities(2,324)(2,653)Total long-term debt obligations$17,634Â $18,274Â CFG LoanAs required under the Purchase Agreement, and on FebruaryÂ 1, 2023 (the "Closing Date"), the Company, as borrower, certain of its subsidiaries, as guarantors, and CF Global ("CFG"), a related party, as administrative agent and lender, entered into a term loan (the "CFG Loan") in the amount of $10.0 million, less original issue discount ("OID") of $0.2 million, upon execution of a Term Loan and Security Agreement (the "CFG Loan Agreement"). The Company received net cash proceeds of $8.5 million after deducting the OID and debt issuance costs of $1.3 million. One of the Company's directors is a principal with CFG.The CFG Loan Agreement also required the issuance of a warrant (the "Warrant") to CFG to purchase 325,457 shares of the Company's common stock at an exercise price of $0.01 per share. The Warrant had a term of 7 years and contained a cashless exercise provision. On March 29, 2024, CFG exercised the warrant in full and the Company issued CFG 324,955 shares of its common stock, net of shares representing the exercise price of the warrant.The CFG Loan matures on February 1, 2027 and bears interest at a rate equal to either (a) Adjusted Term SOFR (subject to a 1.00% floor and a cap of 2.00%) plus a margin of 9.00% paid in cash and 5.00% paid in kind or (b) Base Rate (as defined in the CFG Loan Agreement) plus a margin of 8.00% paid in cash and 5.00% paid in kind, which interest on the CFG Loan in each case shall be payable (or capitalized, in the case of in kind interest) quarterly in arrears. The Company may prepay the CFG Loan at any time subject to the following prepayment premium: (i) prior to the twelve month anniversary of the Closing Date, the Make-Whole Amount (as defined below), (ii) thereafter but prior to the thirty-six month anniversary of the Closing Date, 2.00% of the outstanding principal amount of the CFG Loan being repaid or prepaid or (iii) thereafter until the maturity date, 1.00% of the outstanding principal amount of the CFG Loan being repaid or prepaid. The "Make-Whole Amount," with respect to any repayment or prepayment, is (i) an amount equal to all required interest payable (except for currently accrued and unpaid interest) on the aggregate principal amount of the CFG Loan subject to such prepayment or repayment from the date of such prepayment or repayment through but excluding the date that is the first anniversary of the Closing Date calculated using an interest rate equal to (x) Adjusted Term SOFR for an interest period of one month in effect on the third U.S. Government Securities Business Day prior to such prepayment or repayment plus (y) 14.00% per annum and assuming all interest was paid in cash, plus (ii) a prepayment premium of 2.00% on the aggregate principal amount of the CFG Loan subject to such prepayment or repayment.The CFG Loan is secured by substantially all of the assets of the Company and its subsidiaries (including those acquired in the Acquisition, but excluding those pledged as collateral (the "CTB Loan Assets") under the CTB Loan, as defined and described below), subject to customary exceptions. The CFG Loan Agreement includes, among others, the following covenants: (1) a minimum unrestricted balance of $5.0Â million as of the end of each fiscal quarter; (2) (x) as of December 31, 2024, for the fiscal year then ended, the Company must have a minimum annual revenue, on a consolidated basis, of $85.0Â million and (y) for any fiscal year thereafter, the Company must have a minimum annual revenue, on a consolidated basis, of $100.0Â million; (3) (x) as of December 31, 2024, for the fiscal year then ended, the Company must have a minimum Consolidated EBITDA of $3.0Â million and (y) for any fiscal year thereafter, the Company must have a minimum Consolidated EBITDA of $16.0Â million; and (4) during a period including a LTV Trigger Event (as defined in the CFG Loan Agreement), the Company must not exceed a loan to value ratio of 0.40:1.00 (based on the consolidated total assets of the Company and its subsidiaries, but excluding the CTB Loan Assets).The Company allocated the cash proceeds of the CFG Loan to both the CFG Loan and the Warrant based on their relative fair values. The amount allocated to the Warrant was recorded as a debt discount and is amortized to interest expense over the term of the CFG Loan. The standalone fair value of the CFG Loan was based on a comparison of borrowings and associated credit ratings consistent with those of the Company. As the Warrant was exercisable for $0.01 per share, the fair value was deemed to be equal to the fair value of the underlying shares, and accordingly, the fair value of the Warrant was determined as the number of shares issuable from the exercise of the Warrant (based on 1.0% of post-transaction fully diluted share capital, as defined in the Purchase Agreement) multiplied by the closing share price of the Company's common stock on the Acquisition Date.CTB LoanUpon completion of the Arq Acquisition, the Company assumed a term loan (the "CTB Loan") held by certain Arq subsidiaries as set out in the CTB Loan (the "Arq Subsidiaries") with a financial institution ("CTB") in the principal amount of $10.0 million. The Company recorded the CTB Loan on the Acquisition Date at its estimated fair value of $9.7 million, with the difference of $0.3 million between the estimated fair value and the principal amount recorded as a debt discount and recognized as interest expense over the term of the CTB Loan.The CTB Loan was originally entered into on January 27, 2021 and is comprised of two promissory notes (the "Notes"): (1) "Note A" in the principal amount of $8.0 million, which is guaranteed by the U.S. Department of Agriculture; and (2) "Note B" in the principal amount of $2.0 million. The Notes mature on January 27, 2036 and bear interest at 6.0% per annum through January 2026 and at the prime rate plus 2.75% thereafter. The Company is required to make combined interest and principal payments monthly in the fixed amount of $0.1 million. Interest is computed and payable on the outstanding principal as of the end of the prior month and the balance of the fixed monthly payment amount is applied to the outstanding principal. The Notes carry a prepayment penalty of 3.0% of the outstanding principal if paid prior to January 27, 2024, 2.0% of the outstanding principal if paid prior to January 27, 2025 and 1.0% of the outstanding principal if paid prior to January 27, 2026. Thereafter, the Notes may be prepaid without penalty.On June 2, 2023 (the "Amendment Date"), certain of the Arq Subsidiaries, which included Corbin Project LLC, Arq Projects Holding Company LLC, Arq St. Rose LLC, Arq Corbin LLC and Arq Corbin Land LLC (collectively, the "Borrowers") and CTB entered into a loan modification agreement (the "CTB Loan Modification Agreement") to the CTB Loan, as amended by that certain letter agreement by and among CTB and Borrowers dated January 21, 2022, and as otherwise amended, modified and/or extended by the parties from time to time (collectively, the "CTB Loan Agreement"). As consideration for CTB entering into the CTB Loan Modification Agreement, the Borrowers agreed to pay a fee of $50,000 plus additional fees incurred by CTB and were required to deposit an additional $0.7 million into a deposit account (the "Interest Reserve Account" as defined in the CTB Loan Agreement), where the Interest Reserve Account is held as collateral by CTB. The Borrowers may withdraw funds from the Interest Reserve Account beginning one year from the Amendment Date, subject to restrictions as stated in the CTB Loan Modification Agreement.The CTB Loan Modification Agreement clarified and modified certain terms under the CTB Loan Agreement. The principal clarifications and modifications in effect are as follows:â€¢The Borrowers are not entitled to any further disbursements of proceeds under those promissory notes described in the CTB Loan Modification Agreement;â€¢CTB agreed to waive certain required financial covenants required as of December 31, 2023; andâ€¢CTB is authorized to amend and/or amend and restate its then-current security instruments to include additional collateral represented by the Borrowers' acquisition of any equipment or other fixed and/or operating assets in which CTB does not then hold a lien or security interest.The CTB Loan is secured by substantially all assets of the Borrowers and includes among others, the following covenants with respect to the Borrowers, which are tested annually (Capitalized terms are defined in the CTB Loan Agreement): (a) Total Indebtedness to Net Worth greater than 4 to 1; (b) Balance Sheet Equity greater than or equal to 20% of the book value of all assets of the Borrowers; (c) (i) net income plus interest, taxes, depreciation and amortization divided by (ii) interest expense plus current maturities on long-term debt greater than or equal to 1.25 to 1. The carrying values of both the CFG Loan and the CTB Loan approximate their fair values as both instruments bear interest at rates indexed to market rates for similar instruments. X - ReferencesNo definition available. + Details Name: us-gaap_DebtDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for information about short-term and long-term debt arrangements, which includes amounts of borrowings under each line of credit, note payable, commercial paper issue, bonds indenture, debenture issue, own-share lending arrangements and any other contractual agreement to repay funds, and about the underlying arrangements, rationale for a classification as long-term, including repayment terms, interest rates, collateral provided, restrictions on use of assets and activities, whether or not in compliance with debt covenants, and other matters important to users of the financial statements, such as the effects of refinancing and noncompliance with debt covenants. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481544/470-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481544/470-10-50-6Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(c)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 10: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 470 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/470/tableOfContentReference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1C -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1CReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1C -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1CReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1C -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1CReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1E -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1EReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1I -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1IReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1I -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1IReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1I -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1I + Details Name: us-gaap_DebtDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 23 R12.htm IDEA: XBRL DOCUMENT v3.24.3 Leases 9 Months Ended Sep. 30, 2024 Leases [Abstract] Â Leases Leases The Company's operating and finance lease right-of-use ("ROU") assets and liabilities as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023 consisted of the following items (in thousands):As ofLeasesSeptember 30, 2024December 31, 2023Operating LeasesOperating lease right-of-use assets, net of accumulated amortization (1)$9,331Â $10,592Â Operating lease obligations, current$1,991Â $1,944Â Long-term operating lease obligations7,569Â 8,870Â Total operating lease obligation$9,560Â $10,814Â Finance LeasesFinance lease right-of-use assets, net of accumulated amortization (2)$975Â $1,694Â Finance lease obligations, current$1,699Â $2,131Â Long-term finance lease obligations493Â 1,334Â Total finance lease obligations$2,192Â $3,465Â (1) Operating lease ROU assets are reported net of accumulated amortization of $4.0 million and $5.1 million as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023, respectively. (2) Finance lease ROU assets are reported net of accumulated amortization of $3.0 million and $2.7 million as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023, respectively.Operating leasesROU assets under operating leases and operating lease liabilities are included in the "Other long-term assets" and "Other current liabilities" and "Other long-term liabilities" line items, respectively, in the Condensed Consolidated Balance Sheets as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023. Lease expense for operating leases for the three and nine months ended SeptemberÂ 30, 2024 was $1.3 million and $4.0 million, respectively, of which $0.9 million and $2.9 million, respectively, is included in the "Cost of revenue, exclusive of depreciation and amortization" line item, and $0.4 million and $1.1 million, respectively, is included in the "Selling, general and administrative" line item in the Condensed Consolidated Statements of Operations for those periods. Lease expense for operating leases for the three and nine months ended SeptemberÂ 30, 2023 was $1.6 million and $4.3 million, respectively, of which $1.2 million and $3.4 million, respectively, is included in the "Cost of revenue, exclusive of depreciation and amortization" line item, and $0.4 million and $0.9 million, respectively, is included in the "Selling, general and administrative" line item in the Condensed Consolidated Statements of Operations for those periods.Finance leasesROU assets under finance leases are included in the "Property, plant and equipment" line item in the Condensed Consolidated Balance Sheets as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023. Interest expense related to finance lease obligations and amortization of ROU assets under finance leases are included in the "Interest expense" and "Depreciation, amortization, depletion and accretion" line items, respectively, in the Condensed Consolidated Statements of Operations for the three and nine months

ended SeptemberÂ 30, 2024 and 2023.Lease financial information as of and for the three and nine months ended SeptemberÂ 30, 2024 and 2023 is provided in the following table:Three Months Ended September 30,Nine Months Ended September 30,(in thousands)2024202320242023Finance lease cost:Amortization of right-of-use assets$46Â $215Â $466Â $661Â Interest on lease liabilities50Â 59Â 149Â 190Â Operating lease cost773Â 1,000Â 2,448Â 3,017Â Short-term lease cost437Â 481Â 1,220Â 1,132Â Variable lease cost (1)104Â 81Â 313Â 145Â Total lease cost$1,410Â $1,836Â $4,596Â $5,145Â Other Information:Cash paid for amounts included in the measurement of lease liabilities:Operating cash flows for finance leases$149Â $190Â Operating cash flows for operating leases$1,512Â $2,087Â Financing cash flows for finance leases$838Â $855Â Right-of-use assets obtained in exchange for new finance lease liabilities$â€”Â $â€”Â Right-of-use assets obtained in exchange for new operating lease liabilities$257Â $1,947Â Weighted-average remaining lease term - finance leases1.2 years2.1 yearsWeighted-average remaining lease term - operating leases7.4 years7.8 yearsWeighted-average discount rate - finance leases6.4Â %5.9Â %Weighted-average discount rate - operating leases12.4Â %12.7Â %(1) Primarily includes common area maintenance, property taxes and insurance payable to lessors. Leases Leases The Company's operating and finance lease right-of-use ("ROU") assets and liabilities as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023 consisted of the following items (in thousands):As ofLeasesSeptember 30, 2024December 31, 2023Operating LeasesOperating lease right-of-use assets, net of accumulated amortization (1)$9,331Â $10,592Â Operating lease obligations, current$1,991Â $1,944Â Long-term operating lease obligations7,569Â 8,870Â Total operating lease obligation$9,560Â $10,814Â Finance LeasesFinance lease right-of-use assets, net of accumulated amortization (2)$975Â $1,694Â Finance lease obligations, current$1,699Â $2,131Â Long-term finance lease obligations493Â 1,334Â Total finance lease obligations$2,192Â $3,465Â (1) Operating lease ROU assets are reported net of accumulated amortization of $4.0 million and $5.1 million as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023, respectively. (2) Finance lease ROU assets are reported net of accumulated amortization of $3.0 million and $2.7 million as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023, respectively.Operating leasesROU assets under operating leases and operating lease liabilities are included in the "Other long-term assets" and "Other current liabilities" and "Other long-term liabilities" line items, respectively, in the Condensed Consolidated Balance Sheets as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023. Lease expense for operating leases for the three and nine months ended SeptemberÂ 30, 2024 was $1.3 million and $4.0 million, respectively, of which $0.9 million and $2.9 million, respectively, is included in the "Cost of revenue, exclusive of depreciation and amortization" line item, and $0.4 million and $1.1 million, respectively, is included in the "Selling, general and administrative" line item in the Condensed Consolidated Statements of Operations for those periods. Lease expense for operating leases for the three and nine months ended SeptemberÂ 30, 2023 was $1.6 million and $4.3 million, respectively, of which $1.2 million and $3.4 million, respectively, is included in the "Cost of revenue, exclusive of depreciation and amortization" line item, and $0.4 million and $0.9 million, respectively, is included in the "Selling, general and administrative" line item in the Condensed Consolidated Statements of Operations for those periods.Finance leasesROU assets under finance leases are included in the "Property, plant and equipment" line item in the Condensed Consolidated Balance Sheets as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023. Interest expense related to finance lease obligations and amortization of ROU assets under finance leases are included in the "Interest expense" and "Depreciation, amortization, depletion and accretion" line items, respectively, in the Condensed Consolidated Statements of Operations for the three and nine months ended SeptemberÂ 30, 2024 and 2023.Lease financial information as of and for the three and nine months ended SeptemberÂ 30, 2024 and 2023 is provided in the following table:Three Months Ended September 30,Nine Months Ended September 30,(in thousands)2024202320242023Finance lease cost:Amortization of right-of-use assets$46Â $215Â $466Â $661Â Interest on lease liabilities50Â 59Â 149Â 190Â Operating lease cost773Â 1,000Â 2,448Â 3,017Â Short-term lease cost437Â 481Â 1,220Â 1,132Â Variable lease cost (1)104Â 81Â 313Â 145Â Total lease cost$1,410Â $1,836Â $4,596Â $5,145Â Other Information:Cash paid for amounts included in the measurement of lease liabilities:Operating cash flows for finance leases$149Â $190Â Operating cash flows for operating leases$1,512Â $2,087Â Financing cash flows for finance leases$838Â $855Â Right-of-use assets obtained in exchange for new finance lease liabilities$â€”Â $â€”Â Right-of-use assets obtained in exchange for new operating lease liabilities$257Â $1,947Â Weighted-average remaining lease term - finance leases1.2 years2.1 yearsWeighted-average remaining lease term - operating leases7.4 years7.8 yearsWeighted-average discount rate - finance leases6.4Â %5.9Â %Weighted-average discount rate - operating leases12.4Â %12.7Â %(1) Primarily includes common area maintenance, property taxes and insurance payable to lessors. X - ReferencesNo definition available. + Details Name: us-gaap_LeasesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for finance leases of lessee. Includes, but is not limited to, description of lessee's finance lease and maturity analysis of finance lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/842-20/tableOfContent + Details Name: us-gaap_LesseeFinanceLeasesTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for operating leases of lessee. Includes, but is not limited to, description of operating lease and maturity analysis of operating lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/842-20/tableOfContent + Details Name: us-gaap_LesseeOperatingLeasesTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 24 R13.htm IDEA: XBRL DOCUMENT v3.24.3 Commitments and Contingencies 9 Months Ended Sep. 30, 2024 Commitments and Contingencies Disclosure [Abstract] Â Commitments and Contingencies Commitments and ContingenciesSurety Bonds and Restricted CashAs the owner of the Five Forks Mine, the Company is required to post a surety bond with a regulatory commission related to performance requirements associated with the Five Forks Mine. As of SeptemberÂ 30, 2024, the amount of this surety bond was $7.5 million. The Company leases land adjacent to the Corbin Facility and is required to post surety bonds with a regulatory commission for reclamation. As of SeptemberÂ 30, 2024, the amount of these surety bonds was $3.0 million.The Company holds permits for an abandoned mine in West Virginia ("Mine 4") and is required to post a surety bond with a regulatory commission for reclamation. As of SeptemberÂ 30, 2024, the amount of this surety bond was $0.7Â million.As of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023, the Company posted cash collateral of $8.5 million and $8.5 million, respectively, as required by the Company's surety bond providers, which is reported as long-term restricted cash in the Condensed Consolidated Balance Sheets. As of SeptemberÂ 30, 2024, the Company holds a deposit of $0.4Â million with a third party for collateral as required under a bonding arrangement for Mine 4. This deposit is included in "Other long-term assets, net" in the Condensed Consolidated Balance Sheet as of SeptemberÂ 30, 2024. The Company has a customer supply agreement that requires the Company to post a performance bond in an amount equal to the annual contract value of $3.7 million. As of SeptemberÂ 30, 2024, the remaining commitment under this customer contract, which expires on December 31, 2024, was approximately $1.3 million.Red River Plant Construction ContractIn January 2024, the Company executed a contract with a third-party contractor for the construction of a GAC facility at the Red River Plant, and immediately commenced construction operations. The Company terminated the contract in September 2024, and anticipates completing construction and commissioning with internal resources fulfilling the role of the third-party contractor. The Company expects to complete its first deliveries in the first quarter of 2025 and estimates that total construction costs will be in the range of $75.0 - $80.0Â million. Tinuum GroupThe Company has certain limited obligations contingent upon future events in connection with the activities of Tinuum Group. The Company, NexGen Refined Coal, LLC ("NexGen") and two entities affiliated with NexGen have provided another Tinuum Group owner with limited guarantees (the "Tinuum Group Party Guarantees") related to certain losses it may suffer as a result of inaccuracies or breach of representations and covenants. The Company also is a party to a contribution agreement with NexGen under which any party called upon to pay on a Tinuum Group Party Guaranty is entitled to receive contribution from the other party equal to 50% of the amount paid. No liability or expense provision has been recorded by the Company related to this contingent obligation as the Company believes that it is not probable that a loss will occur with respect to Tinuum Group Party Guarantees.As of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023, the Company has a contractual obligation (the "Tinuum Group Obligation") of $1.7Â million for its share of certain contingent liabilities of Tinuum Group as required under the Distribution and Repayment Agreement (the "Repayment Agreement") that was executed in December 2022 by the Company and certain owners of Tinuum Group. The Tinuum Group Obligation is included in the "Other current liabilities" line item in the Consolidated Balance Sheet.Legal ProceedingsThe Company is from time to time subject to various pending or threatened legal actions and proceedings, including those that arise in the ordinary course of its business. Such matters are subject to many uncertainties and outcomes, the financial impacts of which are not predictable with assurance and that may not be known for extended periods of time. The Company records a liability in its consolidated financial statements for costs related to claims, settlements and judgments where management has assessed that a loss is probable and an amount can be reasonably estimated. As of SeptemberÂ 30, 2024, there were no material pending legal proceedings to which the Company is a party. X - ReferencesNo definition available. + Details Name: us-gaap_CommitmentsAndContingenciesDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for commitments, contingencies, and guarantees. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 450 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/450/tableOfContentReference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 440 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/440/tableOfContentReference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 460 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/460/tableOfContent + Details Name: us-gaap_CommitmentsContingenciesAndGuaranteesTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 25 R14.htm IDEA: XBRL DOCUMENT v3.24.3 Supplemental Financial Information 9 Months Ended Sep. 30, 2024 Deferred Costs, Capitalized, Prepaid, and Other Assets Disclosure [Abstract] Â Supplemental Financial Information Supplemental Financial InformationSupplemental Balance Sheet InformationThe following table summarizes the components of Prepaid expenses and other current assets, and Other long-term assets, net as presented in the Condensed Consolidated Balance Sheets:As of(in thousands)September 30, 2024December 31, 2023Prepaid expenses and other current assets:Prepaid expenses$1,317Â $2,430Â Prepaid income taxes and income tax refunds192Â 349Â Other2,021Â 2,436Â Total prepaid expenses and other current assets$3,530Â $5,215Â Other long-term assets, net:Spare parts, net$10,753Â $9,147Â Right of use assets, operating leases, net9,331Â 10,592Â Intangible assets, net7,644Â 7,899Â Mine development costs, net7,125Â 7,377Â Upfront Customer Consideration (1)5,586Â 5,967Â Mine reclamation asset, net1,856Â 1,955Â Other 2,546Â 2,663Â Total other long-term assets, net$44,841Â $45,600Â (1) Represents remaining balance on consideration paid to a customer under a supply contract executed in 2020. This asset is being amortized as a reduction to revenue on a straight-line basis over the expected 15-year contractual period of the contract.Spare parts include critical spares required to support plant operations. Mine development costs include acquisition costs, the cost of other development work and mitigation costs related to the Five Forks Mine and are depleted over the estimated life of the related mine reserves.Mine reclamation asset, net represents an asset retirement obligation ("ARO") asset related to the Five Forks Mine and is depreciated over its estimated life. As of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023, Other includes the Highview Investment in the amount of $0.6 million that is carried at cost, less impairment, plus or minus observable changes in price for identical or similar investments of the same issuer. The following table details the components of Other current liabilities and Other long-term liabilities as presented in the Condensed Consolidated Balance Sheets:Â As of(in thousands)September 30, 2024December 31, 2023Other current liabilities:Current portion of operating lease obligations$1,991Â $1,944Â Sales, use and other taxes payable1,719Â 948Â Current portion of asset retirement obligations1,259Â 182Â Other(1)2,702Â 2,718Â Total other current liabilities$7,671Â $5,792Â Other long-term liabilities:Operating lease obligations, long-term$7,569Â $8,870Â Asset retirement obligations5,335Â 5,981Â Other1,125Â 929Â Total other long-term liabilities$14,029Â $15,780Â (1) Included in Other current liabilities as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023 is $1.7 million for the Tinuum Group Obligation as discussed in Note 7.As of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023, the ARO related to the Five Forks Mine is included in Other long-term liabilities. The Mine reclamation liabilities represent AROs. Changes in the AROs were as follows:As of(in thousands)September 30, 2024December 31, 2023Asset retirement obligations, beginning of period$6,163Â $8,533Â Asset retirement obligations assumed(1)â€”Â 1,500Â Accretion496Â 582Â Liabilities settled(2)(65)(4,866)Changes due to scope and timing of reclamationâ€”Â 414Â Asset retirement obligations, end of period6,594Â 6,163Â Less current portion1,259Â 182Â Asset retirement obligations, long-term$5,335Â $5,981Â (1) Â Â Â Â Represents the Corbin ARO and Mine 4 ARO in the amounts of $0.5Â million and $1.0Â million, respectively, assumed during the period ended DecemberÂ 31, 2023.(2) Â Â Â Â Included in liabilities settled during the period ended DecemberÂ 31, 2023 is $4.7Â million related to the removal of the ARO associated with Marshall Mine, LLC as a result of the sale of Marshall Mine, LLC in March 2023.Supplemental Income Statement InformationTinuum Group, LLCAs of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023, the Company's ownership interest in Tinuum Group, an equity method investment, was 42.5%. For the three and nine months ended SeptemberÂ 30, 2024, the Company recognized earnings from Tinuum Group of $0.1Â million. For the three and nine months ended SeptemberÂ 30, 2023, the Company recognized earnings from Tinuum Group of $0.2Â million and $1.1Â million, respectively. In 2024, Tinuum Group, LLC has continued to wind down its operations. For the three and nine months ended SeptemberÂ 30, 2024, the Company recognized expense of $0.2Â million and $0.7Â million, respectively, in Cost of revenue, exclusive of depreciation and amortization, related to royalties owed to Tinuum Group under an agreement for certain of the Company's sales of M-ProveTM products. For the three and nine months ended SeptemberÂ 30, 2023, the Company recognized expense of $0.2Â million and $0.6Â million, respectively, in Cost of revenue, exclusive of depreciation and amortization, related to royalties owed to Tinuum Group under an agreement for certain of the Company's sales of M-ProveTM products. X - DefinitionThe entire disclosures of supplemental information, including descriptions and amounts, related to the balance sheet, income statement, and/or cash flow statement. + ReferencesNo definition available. + Details Name: us-gaap_AdditionalFinancialInformationDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_DeferredCostsCapitalizedPrepaidAndOtherAssetsDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 26 R15.htm IDEA: XBRL DOCUMENT v3.24.3 Stockholders' Equity 9 Months Ended Sep. 30, 2024 Equity [Abstract] Â Stockholders' Equity Stockholders' EquityCommon Stock Transactions In April 2024, the Company received $0.8Â million in cash and issued 422,221 shares of its common stock pursuant to a subscription agreement between the Company and its CEO executed in July 2023. In May 2024, the Company entered into a securities purchase agreement (the "SPA") with certain accredited investors for the sale of an aggregate of 2,142,858 shares of the Companyâ€™s common stock, at a selling price of $7.00 per share (the "Private Placement"). After deducting offering costs, the Company raised net cash proceeds of $15.0Â million from the Private Placement.In September 2024, the Company entered into an underwriting agreement (the "Underwriting Agreement") with certain underwriters, relating to the issuance and sale of 4,770,000 shares of the Company's common stock at a price to the public of $5.25 per share, as well as an overallotment option to purchase an additional 715,500 shares within 30 days following the date of the Underwriting Agreement (the "Public Offering"). The Company issued a total of 5,485,500 shares, inclusive of 715,500 shares issued pursuant to the underwriters' fully exercised overallotment option, and received net proceeds, after deducting offering costs, of approximately $26.7Â million from the Public Offering.Stock Repurchase ProgramAs ofÂ SeptemberÂ 30, 2024, the Company hadÂ $7.0 millionÂ remaining under a stock repurchase program, which will remain in effect until all amounts are utilized or is otherwise modified by the Board. The Company did not repurchase any shares during the three and nine months ended SeptemberÂ 30, 2024 or 2023.Tax Asset Protection PlanU.S. federal income tax rules, and Section 382 of the Internal Revenue Code in particular, could substantially limit the use of net operating losses and tax credits if the Company experiences an "ownership change" (as defined in the Internal Revenue Code). In general, an ownership change occurs if there is a cumulative change in the ownership of the Company by "5 percent stockholders" that exceeds 50 percentage points over a rolling three-year period.An entity that experiences an ownership change generally will be subject to an annual limitation on its pre-ownership change tax loss and credit carryforwards equal to the equity value of the entity immediately before the ownership change, multiplied by the long-term, tax-exempt rate posted monthly by the Internal Revenue Service (subject to certain adjustments). The annual limitation would be increased each year to the extent that there is an unused limitation in a prior year.On May 5, 2017, the Board approved the declaration of a dividend of rights to purchase Series B Junior Participating Preferred Stock for each outstanding share of common stock as part of a tax asset protection plan (the "TAPP"), which is designed to protect the Companyâ€™s ability to utilize its net operating losses and tax credits. The TAPP is intended to act as a deterrent to any person acquiring beneficial ownership of 4.99% or more of the Companyâ€™s outstanding common stock. On April 12, 2024, the Board approved the Seventh Amendment to the TAPP (the "Seventh Amendment"), which amends the TAPP, as previously amended by the First, Second, Third, Fourth, Fifth and Sixth Amendments that were approved by the Board on April 6, 2018, April 5, 2019, April 9, 2020, April 9, 2021, March 15, 2022, and April 13, 2023, respectively. The Seventh Amendment amends the definition of "Final Expiration Date" under the TAPP to extend the duration of the TAPP and makes associated changes in connection therewith. Pursuant to the Seventh Amendment, the Final Expiration Date shall be the close of business on the earlier of (i) December 31, 2025 or (ii) December 31, 2024 if

stockholder approval of the Seventh Amendment has not been obtained prior to such date. At the Company's 2024 Annual Meeting of Stockholders held on June 10, 2024, the Company's stockholders approved the Seventh Amendment, thus the final expiration date will be the close of business on December 31, 2025. X - ReferencesNo definition available. + Details Name: us-gaap_EquityAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for equity. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-14Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 235 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477968/946-235-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 235 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477968/946-235-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 505 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478448/946-505-50-6Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480237/815-40-50-6Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(e)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 10: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/505/tableOfContentReference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-14Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-14Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 16 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-16Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-18Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-18Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-18 + Details Name: us-gaap_StockholdersEquityNoteDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 27 R16.htm IDEA: XBRL DOCUMENT v3.24.3 Stock-Based Compensation 9 Months Ended Sep. 30, 2024 Share-Based Payment Arrangement [Abstract] Â Stock-Based Compensation Stock-Based CompensationThe Company grants equity-based awards to employees, non-employee directors and consultants that may include, but are not limited to, RSAs, PSUs, restricted stock units and stock options. Stock-based compensation expense related to manufacturing employees and administrative employees is included in the "Cost of revenue" and "Selling, general and administrative" line items, respectively, in the Condensed Consolidated Statements of Operations. Stock-based compensation expense related to non-employee directors and consultants is included in the "Selling, general and administrative" line item in the Condensed Consolidated Statements of Operations.Total stock-based compensation expense for the three and nine months ended SeptemberÂ 30, 2024 and 2023 was as follows: Â Three Months Ended September 30,Nine Months Ended September 30,(in thousands)20242023202420232RSA expense$483Â $501Â $1,268Â $1,405Â PSU expense206Â 151Â 735Â 355Â Stock option expense61Â 50Â 182Â 50Â Total stock-based compensation expense$750Â $702Â $2,185Â $1,810Â The amount of unrecognized compensation cost as of SeptemberÂ 30, 2024, and the expected weighted-average period over which the cost will be recognized is as follows:As of September 30, 2024(in thousands, expect years)Unrecognized Compensation CostExpected Weighted-Average Period of Recognition (in years)RSA expense$3,414Â 1.82PSU expense1,400Â 1.09Stock option expense435Â 1.79Total unrecognized stock-based compensation expense$5,249Â 1.62Restricted Stock AwardsRSAs are typically granted with vesting terms of three years. The fair value of RSAs is determined based on the closing price of the Company's common stock on the authorization date of the grant multiplied by the number of shares subject to the stock award. Compensation expense for RSAs is generally recognized on a straight-line basis over the entire vesting period.A summary of RSA activity under the Company's various stock compensation plans for the nine months ended September 30, 2024 is presented below:Restricted StockWeighted-Average GrantÂ Date Fair ValueNon-vested at January 1, 2024790,005Â $3.10Â Granted577,159Â $5.79Â Vested(541,166)$3.34Â Forfeited(55,197)$2.82Â Non-vested at September 30, 2024770,801Â $4.99Â Performance Share UnitsCompensation expense for PSUs is recognized on a straight-line basis over the applicable service period, which is generallyÂ three years, based on the estimated fair value at the date of grant. The estimated fair value at the date of grant is determined using a Monte Carlo simulation model for those PSUs with market-based performance conditions. A summary of PSU activity for theÂ nine months ended September 30, 2024Â is presented below:UnitsWeighted-AverageGrantÂ DateFair ValueAggregate Intrinsic Value (in thousands)Weighted-AverageRemainingContractualTerm (in years)PSUs outstanding, January 1, 2024968,918Â $2.06Â Granted115,877Â $10.94Â Vested / Settled(1)(150,000)$2.28Â Forfeited / Canceled(57,750)$5.90Â PSUs outstanding, September 30, 2024877,045Â $2.94Â $5,148Â 1.09(1) The number of units shown in the table above are based on target performance. The final number of shares of common stock issued may vary depending on the achievement of market or performance conditions established within the awards, which could result in the actual number of shares issued ranging from zero to a maximum of two times the number of units shown in the above table. For the three and nine months ended SeptemberÂ 30, 2024, 150,000 shares of common stock were issued upon vesting of PSUs.Stock OptionsStock options vest over three years and have a contractual limit of ten years from the date of grant to exercise. The fair value of stock options granted is determined on the date of grant using the Black-Scholes option pricing model, and the related expense is recognized on a straight-line basis over the entire vesting period. The determination of the grant date fair value of stock options issued is affected by a number of variables, including the fair value of the Companyâ€™s common stock, the expected common stock price volatility over the expected term of the stock option, the expected term of the stock option, risk-free interest rates, and the expected dividend yield of the Companyâ€™s common stock. Risk-free interest rate - The risk-free interest rate for stock options granted was determined by using a zero-coupon U.S. Treasury rate for the periods that coincided with the expected term of the options.Dividend yield - An expected dividend yield of zero was included in the calculations, as the Company does not currently pay nor does it anticipate paying dividends on its common stock as of the grant date of the stock options.Expected volatility - To calculate expected volatility, the historical volatility of the Company's common stock was used.Expected term - The Companyâ€™s expected term of stock options was calculated using a simplified method whereby the midpoint between the vesting date and the end of the contractual term is utilized to compute the expected term, as the Company does not have sufficient historical data for options with similar vesting and contractual terms.The Company did not grant any stock options during the three and nine months ended SeptemberÂ 30, 2024. The Company granted 1,000,000 stock options during the three and nine months ended SeptemberÂ 30, 2023. A summary of stock option activity for the nine months ended September 30, 2024 is presented below:Number of OptionsOutstandingÂ andExercisableWeighted-AverageExercise PriceAggregate Intrinsic Value (in thousands)Weighted-AverageRemaining ContractualTerm (in years)Options outstanding, January 1, 20241,000,000Â $3.00Â Options grantedâ€”Â â€”Â Options exercisedâ€”Â â€”Â Options expired / forfeitedâ€”Â â€”Â Options outstanding, September 30, 20241,000,000Â $3.00Â $2,870Â 8.79Options vested and exercisable, September 30, 2024333,333Â $3.00Â $957Â 8.79 X - DefinitionThe entire disclosure for share-based payment arrangement. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/718/tableOfContentReference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (h)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (h)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (l) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_DisclosureOfCompensationRelatedCostsSharebasedPaymentsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 28 R17.htm IDEA: XBRL DOCUMENT v3.24.3 Income Taxes 9 Months Ended Sep. 30, 2024 Income Tax Disclosure [Abstract] Â Income Taxes Income TaxesFor the three and nine months ended SeptemberÂ 30, 2024 and 2023, the Company's income tax (expense) benefit and effective tax rates are presented below: Three Months Ended September 30,Nine Months Ended September 30,(in thousands, except for rate)20242023202420232Income tax (expense) benefit$â€”Â $â€”Â (30)33Â Effective tax rateâ€”Â %â€”Â %1Â %â€”Â %The Company incurred pretax loss for the nine months ended September 30, 2024 and expects to incur pretax loss for the year ending DecemberÂ 31, 2024. As a result, the effective rate for the three and nine months ended SeptemberÂ 30, 2024 would be zero as the resultant tax benefit was offset by a valuation allowance recorded as of SeptemberÂ 30, 2024, However, the Company recorded out of period state income tax expense for the nine months ended SeptemberÂ 30, 2024 resulting in the effective tax rate of 1% for this period.The Company assesses a valuation allowance recorded against deferred tax assets at each reporting date. The determination of whether a valuation allowance for deferred tax assets is appropriate requires the evaluation of positive and negative evidence that can be objectively verified. Consideration must be given to all sources of taxable income available to realize deferred tax assets, including, as applicable, the future reversal of existing temporary differences, future taxable income forecasts exclusive of the reversal of temporary differences and carryforwards, taxable income in carryback years and tax planning strategies. In estimating income taxes, the Company assesses the relative merits and risks of the appropriate income tax treatment of transactions taking into account statutory, judicial and regulatory guidance. X - ReferencesNo definition available. + Details Name: us-gaap_IncomeTaxDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for income tax. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12C -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12CReference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12B -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12BReference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 270 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477891/740-270-50-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 6.I.5.Q1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479360/740-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-13Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(h)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/740/tableOfContentReference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-14Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 21 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-21Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 17 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-17Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 11.C) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479360/740-10-S99-2Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482603/740-30-50-2 + Details Name: us-gaap_IncomeTaxDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 29 R18.htm IDEA: XBRL DOCUMENT v3.24.3 Marshall Mine 9 Months Ended Sep. 30, 2024 Business Combination, Asset Acquisition, and Joint Venture Formation [Abstract] Â Marshall Mine Marshall MineOn March 27, 2023, (the "MM Closing Date"), the Company completed the sale of all of its membership interests in Â Â Â Â Marshall Mine, LLC to a third party (the "Buyer") in exchange for a cash payment of $2.2Â million (the "MM Purchase Price") made by the Company to the Buyer and the assumption by the Buyer of certain liabilities of Marshall Mine, LLC. As of the MM Closing Date, Marshall Mine, LLC had outstanding liabilities of approximately $4.9Â million that were discharged upon payment of the MM Purchase Price by the Company, and the Company recognized a gain of approximately $2.7Â million in the Statement of Operations for the nine months ended September 30, 2023. X - ReferencesNo definition available. + Details Name: us-gaap_BusinessCombinationAndAssetAcquisitionAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for a business combination (or series of individually immaterial business combinations) completed during the period, including background, timing, and recognized assets and liabilities. The disclosure may include leverage buyout transactions (as applicable). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479907/805-20-50-5Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 805 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/805/tableOfContent + Details Name: us-gaap_BusinessCombinationDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 30 R19.htm IDEA: XBRL DOCUMENT v3.24.3 Subsequent Events 9 Months Ended Sep. 30, 2024 Subsequent Events [Abstract] Â Subsequent Events Subsequent EventsUnless disclosed elsewhere in the notes to the Condensed Consolidated Financial Statements, there were no significant matters that occurred subsequent to SeptemberÂ 30, 2024. X - ReferencesNo definition available. + Details Name: us-gaap_SubsequentEventsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for significant events or transactions that occurred after the balance sheet date through the date the financial statements were issued or the date the financial statements were available to be issued. Examples include: the sale of a capital stock issue, purchase of a business, settlement of litigation, catastrophic loss, significant foreign exchange rate changes, loans to insiders or affiliates, and transactions not in the ordinary course of business. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 855 -

Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/855/tableOfContentReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 855 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483399/855-10-50-2 + Details Name: us-gaap_SubsequentEventsTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 31 R20.htm IDEA: XBRL DOCUMENT v3.24.3 Pay vs Performance Disclosure - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Jun. 30, 2024 Mar. 31, 2024 Sep. 30, 2023 Jun. 30, 2023 Mar. 31, 2023 Sep. 30, 2024 Sep. 30, 2023 Pay vs Performance Disclosure Â Â Â Â Â Â Â Â Â Â Net loss $ 1,617 $ (1,968) $ (3,419) $ (2,175) $ (5,856) $ (7,508) $ (3,770) $ (15,539) X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 402 -Subsection v -Paragraph 1 + Details Name: ecd_PvpTable Namespace Prefix: ecd_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-6Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 17: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-10Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration XML 32 R21.htm IDEA: XBRL DOCUMENT v3.24.3 Insider Trading Arrangements 3 Months Ended Sep. 30, 2024 Trading Arrangements, by Individual Â Rule 10b5-1 Arrangement Adopted false Non-Rule 10b5-1 Arrangement Adopted false Rule 10b5-1 Arrangement Terminated false Non-Rule 10b5-1 Arrangement Terminated false X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 1 + Details Name: ecd_NonRule10b51ArrAdoptedFlag Namespace Prefix: ecd_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 1 + Details Name: ecd_NonRule10b51ArrTrmntdFlag Namespace Prefix: ecd_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 1 + Details Name: ecd_Rule10b51ArrAdoptedFlag Namespace Prefix: ecd_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 1 + Details Name: ecd_Rule10b51ArrTrmntdFlag Namespace Prefix: ecd_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 2 -Subparagraph A + Details Name: ecd_TradingArrByIndTable Namespace Prefix: ecd_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 33 R22.htm IDEA: XBRL DOCUMENT v3.24.3 Organization and Basis of Presentation (Policies) 9 Months Ended Sep. 30, 2024 Accounting Policies [Abstract] Â Basis of Presentation The accompanying Condensed Consolidated Financial Statements of Arq are unaudited and have been prepared in conformity with accounting principles generally accepted in the United States ("U.S. GAAP") and with Article 10 of Regulation S-X of the Securities and Exchange Commission. In compliance with those instructions, certain information and footnote disclosures normally included in annual consolidated financial statements prepared in accordance with U.S. GAAP have been condensed or omitted. The unaudited Condensed Consolidated Financial Statements of Arq in this quarterly report ("Quarterly Report") are presented on a consolidated basis and include Arq and its wholly-owned subsidiaries (collectively, the "Company"). Also included within the unaudited Condensed Consolidated Financial Statements are the Company's unconsolidated equity investments, Tinuum Group and Tinuum Services, which are accounted for under the equity method of accounting, and Highview Enterprises Limited (the "Highview Investment"), which is accounted for in accordance with U.S. GAAP applicable to equity investments that do not qualify for the equity method of accounting. Results of operations and cash flows for the interim periods are not necessarily indicative of the results that may be expected for the entire year. All significant intercompany transactions and accounts were eliminated in consolidation for all periods presented in this Quarterly Report.In the opinion of management, these Condensed Consolidated Financial Statements include all normal and recurring adjustments considered necessary for a fair presentation of the results of operations, financial position, stockholders' equity and cash flows for the interim periods presented. These Condensed Consolidated Financial Statements should be read in conjunction with the Companyâ€™s Annual Report on Form 10-K for the year ended DecemberÂ 31, 2023 (the "2023 Form 10-K"). Significant accounting policies disclosed therein have not changed. Earnings (Loss) Per Share Basic earnings (loss) per share is computed using the weighted-average number of shares of the Company's common stock outstanding during the reporting period. Diluted earnings (loss) per share is computed in a manner consistent with that of basic earnings per share, while considering other potentially dilutive securities. For the three and nine months ended SeptemberÂ 30, 2024 and SeptemberÂ 30, 2023, potentially dilutive securities consist of unvested restricted stock awards ("RSAs"), stock options and contingent performance stock units ("PSUs"). Use of Estimates The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the amounts reported in the financial statements and accompanying notes. There have been no changes in the Company's critical accounting estimates from those that were disclosed in the 2023 Form 10-K. Actual results could differ from these estimates. Fair value measurement The carrying amounts of our cash, restricted cash, accounts receivable, accounts payable and other current liabilities approximate fair value as recorded due to the short-term nature of these instruments. Reclassifications Certain balances have been reclassified from the prior year to conform to the current year presentation. Such reclassifications had no effect on the Companyâ€™s results of operations or financial position in any of the periods presented. New Accounting Standards New Accounting StandardsIn November 2023, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update 2023-07, Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures ("ASU 2023-07"). ASU 2023-07 is intended to improve reportable segment disclosures and to enhance disclosures of reportable segment expenses. This ASU is effective for annual reporting periods beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024. Early adoption is permitted. ASU 2023-07 is required to be applied retrospectively to all prior periods presented in the financial statements. Because the amendments do not change the methodology for the identification of operating segments, the aggregation of those operating segments or the application of the quantitative thresholds to determine reportable segments, we do not expect the guidance to have a material effect on our financial position or results of operations. In December 2023, the FASB issued Accounting Standards Update 2023-09, Income Taxes (Topic 740): Improvements to Income Tax Disclosures. ("ASU 2023-09"). ASU 2023-09 requires entities to disclose: (1) consistent categories and greater disaggregation of information in the rate reconciliation and (2) the disaggregation of income taxes paid by jurisdiction. This update also makes several other changes to the income tax disclosure requirements. For public entities, the amendments in ASU 2023-09 are effective for fiscal years beginning after December 15, 2024, with early adoption permitted, and is required to be applied prospectively, but retrospective application is permitted. The Company is currently evaluating the impact of ASU 2023-09 on its income tax disclosures. X - ReferencesNo definition available. + Details Name: us-gaap_AccountingPoliciesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for basis of accounting, or basis of presentation, used to prepare the financial statements (for example, US Generally Accepted Accounting Principles, Other Comprehensive Basis of Accounting, IFRS). + ReferencesNo definition available. + Details Name: us-gaap_BasisOfAccountingPolicyPolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for computing basic and diluted earnings or loss per share for each class of common stock and participating security. Addresses all significant policy factors, including any antidilutive items that have been excluded from the computation and takes into account stock dividends, splits and reverse splits that occur after the balance sheet date of the latest reporting period but before the issuance of the financial statements. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 260 -SubTopic 10 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 260 -SubTopic 10 -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-2 + Details Name: us-gaap_EarningsPerSharePolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for fair value measurements of financial and non-financial assets, liabilities and instruments classified in shareholders' equity. Disclosures include, but are not limited to, how an entity that manages a group of financial assets and liabilities on the basis of its net exposure measures the fair value of those assets and liabilities. + ReferencesNo definition available. + Details Name: us-gaap_FairValueMeasurementPolicyPolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy pertaining to new accounting pronouncements that may impact the entity's financial reporting. Includes, but is not limited to, quantification of the expected or actual impact. + ReferencesNo definition available. + Details Name: us-gaap_NewAccountingPronouncementsPolicyPolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for reclassification affecting comparability of financial statement. Excludes amendment to accounting standards, other change in accounting principle, and correction of error. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 205 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483504/205-10-50-1 + Details Name: us-gaap_PriorPeriodReclassificationAdjustmentDescription Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for the use of estimates in the preparation of financial statements in conformity with generally accepted accounting principles. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic

10 -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-9Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-4Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 11 -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-11Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 12 -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-12Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-8 + Details Name: us-gaap_UseOfEstimates Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 34 R23.htm IDEA: XBRL DOCUMENT v3.24.3 Organization and Basis of Presentation (Tables) 9 Months Ended Sep. 30, 2024 Accounting Policies [Abstract] Â Schedule of Calculations of Basic and Diluted Loss Per Share The following table sets forth the calculations of basic and diluted loss per share: Â Three Months Ended September 30,Nine Months Ended September 30,(in thousands, except per share amounts)20242023202420234Net income (loss)$1,617Â $(2,175)$(3,770)$(15,539)Less: Dividends declared on redeemable preferred stockâ€”Â â€”Â â€”Â 157Â Income (loss) attributable to common stockholders$1,617Â $(2,175)$(3,770)$(15,696)Basic weighted-average common shares outstanding36,124Â 31,807Â 34,085Â 27,894Â Add: dilutive effect of equity instruments1,318Â â€”Â â€”Â â€”Â Diluted weighted-average shares outstanding37,442Â 31,807Â 34,085Â 27,894Â Earnings (loss) per share - basic$0.04Â (0.07)(0.11)$(0.56)Earnings (loss) per share - diluted$0.04Â (0.07)(0.11)$(0.56) X - ReferencesNo definition available. + Details Name: us-gaap_AccountingPoliciesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of an entity's basic and diluted earnings per share calculations, including a reconciliation of numerators and denominators of the basic and diluted per-share computations for income from continuing operations. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1 + Details Name: us-gaap_ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 35 R24.htm IDEA: XBRL DOCUMENT v3.24.3 Arq Acquisition (Tables) 9 Months Ended Sep. 30, 2024 Business Combination, Asset Acquisition, and Joint Venture Formation [Abstract] Â Schedule of Final Purchase Price Allocation to the Assets Acquired and Liabilities Assumed The following table provides the final purchase price allocation to the assets acquired and liabilities assumed as of the Acquisition Date: (in thousands)Purchase Price AllocationFair value of assets acquired:Cash$1,411Â Prepaid expenses and other current assets2,229Â Restricted cash, long-term814Â Property, plant and equipment, net39,159Â Other long-term assets, net11,717Â Amount attributable to assets acquired55,330Â Fair Value of liabilities assumed:Accounts payable and accrued expenses9,806Â Current portion of long-term debt494Â Other current liabilities103Â Long-term debt, net of current portion9,199Â Other long-term liabilities4,523Â Amount attributable to liabilities assumed24,125Â Net assets acquired$31,205Â The following represents the intangible asset identified as part of the Arq Acquisition and which is included in "Other long-term-assets, net" in the table above:(in thousands)AmountWeighted Average Useful Life (years)Developed technology$7,700Â 20 Schedule of Pro Forma Revenues Since Legacy Arq had no revenues for the nine months ended SeptemberÂ 30, 2023, pro forma revenues are the same as the Company's reported revenues for that period.(in thousands)Nine Months Ended September 30, 2023Revenues$71,079Â Net loss$(12,100) X - DefinitionTabular disclosure of pro forma results of operations for a material business acquisition or series of individually immaterial business acquisitions that are material in the aggregate. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (h)(2) -SubTopic 10 -Topic 805 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479328/805-10-50-2Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (h)(3) -SubTopic 10 -Topic 805 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479328/805-10-50-2 + Details Name: us-gaap_BusinessAcquisitionProFormaInformationTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_BusinessCombinationAndAssetAcquisitionAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the amounts recognized as of the acquisition date for each major class of assets acquired and liabilities assumed. May include but not limited to the following: (a) acquired receivables; (b) contingencies recognized at the acquisition date; and (c) the fair value of noncontrolling interests in the acquiree. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 805 -SubTopic 20 -Name Accounting Standards Codification -Paragraph 1 -Section 50 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479907/805-20-50-1 + Details Name: us-gaap_ScheduleOfRecognizedIdentifiedAssetsAcquiredAndLiabilitiesAssumedTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 36 R25.htm IDEA: XBRL DOCUMENT v3.24.3 Revenues (Tables) 9 Months Ended Sep. 30, 2024 Revenue from Contract with Customer [Abstract] Â Schedule of Accounts Receivables The following table shows the components of the Company's Receivables, net:As of(in thousands)September 30, 2024December 31, 2023Trade and other receivables, net$16,465Â $11,330Â Unbilled receivables125Â 4,862Â Receivables, net$16,590Â $16,192Â X - ReferencesNo definition available. + Details Name: us-gaap_RevenueFromContractWithCustomerAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the various types of trade accounts and notes receivable and for each the gross carrying value, allowance, and net carrying value as of the balance sheet date. Presentation is categorized by current, noncurrent and unclassified receivables. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_ScheduleOfAccountsNotesLoansAndFinancingReceivableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 37 R26.htm IDEA: XBRL DOCUMENT v3.24.3 Inventories, net (Tables) 9 Months Ended Sep. 30, 2024 Inventory Disclosure [Abstract] Â Schedule of Inventory The following table summarizes the Company's inventories as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023:As of(in thousands)September 30, 2024December 31, 2023Product inventory, net$11,498Â $9,524Â Raw material inventory6,989Â 10,169Â Total inventories, net$18,487Â $19,693Â X - ReferencesNo definition available. + Details Name: us-gaap_InventoryDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the carrying amount as of the balance sheet date of merchandise, goods, commodities, or supplies held for future sale or to be used in manufacturing, servicing or production process. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(c)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 210 -SubTopic 10 -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483489/210-10-50-1 + Details Name: us-gaap_ScheduleOfInventoryCurrentTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 38 R27.htm IDEA: XBRL DOCUMENT v3.24.3 Debt Obligations (Tables) 9 Months Ended Sep. 30, 2024 Debt Disclosure [Abstract] Â Schedule of Debt As of(in thousands)September 30, 2024December 31, 2023CFG Loan due February 2027, related party$10,000Â $10,000Â CTB Loan due January 20369,123Â 9,527Â Finance lease obligations2,192Â 3,465Â Other258Â â€”Â 21,573Â 22,992Â Unamortized debt discounts(623)(815)Unamortized debt issuance costs(992)(1,250)19,958Â 20,927Â Less: Current maturities(2,324)(2,653)Total long-term debt obligations$17,634Â $18,274Â X - ReferencesNo definition available. + Details Name: us-gaap_DebtDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of information pertaining to short-term and long-debt instruments or arrangements, including but not limited to identification of terms, features, collateral requirements and other information necessary to a fair presentation. + ReferencesNo definition available. + Details Name: us-gaap_ScheduleOfDebtTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 39 R28.htm IDEA: XBRL DOCUMENT v3.24.3 Leases (Tables) 9 Months Ended Sep. 30, 2024 Leases [Abstract] Â Schedule of Operating and Finance Lease Right-Of-Use ("ROU") Assets and Liabilities The Company's operating and finance lease right-of-use ("ROU") assets and liabilities as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023 consisted of the following items (in thousands):As ofLeasesSeptember 30, 2024December 31, 2023Operating LeasesOperating lease right-of-use assets, net of accumulated amortization (1)$9,331Â $10,592Â Operating lease obligations, current$1,991Â $1,944Â Long-term operating lease obligations7,569Â 8,870Â Total operating lease obligation$9,560Â $10,814Â Finance LeasesFinance lease right-of-use assets, net of accumulated amortization (2)$975Â $1,694Â Finance lease obligations, current$1,699Â $2,131Â Long-term finance lease obligations493Â 1,334Â Total finance lease obligations$2,192Â $3,465Â (1) Operating lease ROU assets are reported net of accumulated amortization of $4.0 million and $5.1 million as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023, respectively. (2) Finance lease ROU assets are reported net of accumulated amortization of $3.0 million and $2.7 million as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023, respectively.Lease financial information as of and for the three and nine months ended SeptemberÂ 30, 2024 and 2023 is provided in the following table:Three Months Ended September 30,Nine Months Ended September 30,(in thousands)20242023202420234Finance lease cost:Amortization of right-of-use assets$46Â $215Â $466Â $661Â Interest on lease liabilities50Â 59Â 149Â 190Â Operating lease cost773Â 1,000Â 2,448Â 3,017Â Short-term lease cost437Â 481Â 1,220Â 1,132Â Variable lease cost (1)104Â 81Â 313Â 145Â Total lease cost$1,410Â $1,836Â $4,596Â $5,145Â Other Information:Cash paid for amounts included in the measurement of lease liabilities:Operating cash flows for finance leases$149Â $190Â Operating cash flows for operating leases$1,512Â $2,087Â Financing cash flows for finance leases$838Â $855Â Right-of-use assets obtained in exchange for new finance lease liabilities$â€”Â $â€”Â Right-of-use assets obtained in exchange for new operating lease liabilities$257Â $1,947Â Weighted-average remaining lease term - finance leases1.2 years2.1 yearsWeighted-average remaining lease term - operating leases7.4 years7.8 yearsWeighted-average discount rate - finance leases6.4Â %5.9Â %Weighted-average discount rate - operating leases12.4Â %12.7Â %(1) Primarily includes common area maintenance, property taxes and insurance payable to lessors. X - DefinitionTabular disclosure of lessee's lease cost. Includes, but is not limited to, interest expense for finance lease, amortization of right-of-use asset for finance lease, operating lease cost, short-term lease cost, variable lease cost and sublease income. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_LeaseCostTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_LeasesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 40 R29.htm IDEA: XBRL DOCUMENT v3.24.3 Supplemental Financial Information (Tables) 9 Months Ended Sep. 30, 2024 Deferred Costs, Capitalized, Prepaid, and Other Assets Disclosure [Abstract] Â Schedule of Other Long Term Assets The following table summarizes the components of Prepaid expenses and other current assets, and Other long-term assets, net as presented in the Condensed Consolidated Balance Sheets:As of(in thousands)September 30, 2024December 31, 2023Prepaid expenses and other current assets:Prepaid expenses$1,317Â $2,430Â Prepaid income taxes and income tax refunds192Â 349Â Other2,021Â 2,436Â Total prepaid expenses and other current assets$3,530Â $5,215Â Other long-term assets, net:Spare parts, net$10,753Â $9,147Â Right of use assets, operating leases, net9,331Â 10,592Â Intangible assets, net7,644Â 7,899Â Mine development costs, net7,125Â 7,377Â Upfront Customer Consideration (1)5,586Â 5,967Â Mine reclamation asset, net1,856Â 1,955Â Other 2,546Â 2,663Â Total other long-term assets, net$44,841Â $45,600Â (1) Represents remaining balance on consideration paid to a customer under a supply contract executed in 2020. This asset is being amortized as a reduction to revenue on a straight-line basis over the expected 15-year contractual period of the contract. Schedule of Other Liabilities The following table details the components of Other current liabilities and Other long-term liabilities as presented in the Condensed Consolidated Balance Sheets:Â As of(in thousands)September 30, 2024December 31, 2023Other current liabilities:Current portion of operating lease obligations$1,991Â $1,944Â Sales, use and other taxes payable1,719Â 948Â Current portion of asset retirement obligations1,259Â 182Â Other(1)2,702Â 2,718Â Total other current liabilities$7,671Â $5,792Â Other long-term liabilities:Operating lease obligations, long-term$7,569Â $8,870Â Asset retirement obligations5,335Â 5,981Â Other1,125Â 929Â Total other long-term liabilities$14,029Â $15,780Â (1) Included in Other current liabilities as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023 is $1.7 million for the Tinuum Group Obligation as discussed in Note 7. Schedule of Change in Asset Retirement Obligation As of(in thousands)September 30, 2024December 31, 2023Asset retirement obligations, beginning of period$6,163Â $8,533Â Asset retirement obligations assumed(1)â€”Â 1,500Â Accretion496Â 582Â Liabilities settled(2)(65)(4,866)Changes due to scope and timing of reclamationâ€”Â 414Â Asset retirement obligations, end of period6,594Â 6,163Â Less current portion1,259Â 182Â Asset retirement obligations, long-term$5,335Â $5,981Â (1) Â Â Â Â Represents the Corbin ARO and Mine 4 ARO in the amounts of $0.5Â million and $1.0Â million, respectively, assumed during the period ended DecemberÂ 31, 2023.(2) Â Â Â Â Included in liabilities settled during the period ended DecemberÂ 31, 2023 is $4.7Â million related to the removal of the ARO associated with Marshall Mine, LLC as a result of the sale of Marshall Mine, LLC in March 2023. X - ReferencesNo definition available. + Details Name: us-gaap_DeferredCostsCapitalizedPrepaidAndOtherAssetsDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the amounts paid in advance for capitalized costs that will be expensed with the passage of time or the occurrence of a triggering event, and will be charged against earnings within one year or the normal operating cycle, if longer; the aggregate carrying amount of current assets, not separately presented elsewhere in the balance sheet; and other deferred costs. + ReferencesNo definition available. + Details Name: us-gaap_DeferredCostsCapitalizedPrepaidAndOtherAssetsDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of other liabilities. + ReferencesNo definition available. + Details Name: us-gaap_OtherLiabilitiesTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the changes in carrying amount of a liability for asset retirement obligations, for changes such as new obligations, changes in estimates of existing obligations, spending on existing obligations, property dispositions, and foreign currency translation. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 410 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481850/410-20-50-1 + Details Name: us-gaap_ScheduleOfChangeInAssetRetirementObligationTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 41 R30.htm IDEA: XBRL DOCUMENT v3.24.3 Stock-Based Compensation (Tables) 9 Months Ended Sep. 30, 2024 Share-Based Payment Arrangement [Abstract] Â Schedule of Allocation of Compensation Expense Total stock-based compensation expense for the three and nine months ended SeptemberÂ 30, 2024 and 2023 was as follows: Â Three Months Ended September 30,Nine Months Ended September 30,(in thousands)20242023202420234RSA expense$483Â $501Â $1,268Â $1,405Â PSU expense206Â 151Â 735Â 355Â Stock option expense61Â 50Â 182Â 50Â Total stock-based compensation expense$750Â $702Â $2,185Â $1,810Â Schedule of Unrecognized Compensation Cost The amount of unrecognized compensation cost as of SeptemberÂ 30, 2024, and the expected weighted-average period over which the cost will be recognized is as follows:As of September 30, 2024(in thousands, expect years)Unrecognized Compensation CostExpected Weighted-Average Period of Recognition (in years)RSA expense$3,414Â 1.82PSU expense1,400Â 1.09Stock option expense435Â 1.79Total unrecognized stock-based compensation expense$5,249Â 1.62 Schedule of Restricted Stock Activity A summary of RSA activity under the Company's various stock compensation plans for the nine months ended September 30, 2024 is presented below:Restricted StockWeighted-Average GrantÂ Date Fair ValueNon-vested at January 1, 2024790,005Â $3.10Â Granted577,159Â $5.79Â Vested(541,166)$3.34Â Forfeited(55,197)$2.82Â Non-vested at September 30, 2024770,801Â $4.99Â Schedule of Performance Shares Units A

summary of PSU activity for theÂ nine months ended September 30, 2024Â is presented below:UnitsWeighted-AverageGrantÂ DateFair ValueAggregate Intrinsic Value (in thousands)Weighted-AverageRemainingContractualTerm (in years)PSUs outstanding, January 1, 2024968,918Â $2.06Â Granted115,877Â $10.94Â Vested / Settled(1)(150,000)$2.28Â Forfeited / Canceled(57,750)$5.90Â PSUs outstanding, September 30, 2024877,045Â $2.94Â $5,148Â 1.09(1) The number of units shown in the table above are based on target performance. The final number of shares of common stock issued may vary depending on the achievement of market or performance conditions established within the awards, which could result in the actual number of shares issued ranging from zero to a maximum of two times the number of units shown in the above table. For the three and nine months ended SeptemberÂ 30, 2024, 150,000 shares of common stock were issued upon vesting of PSUs. Summary of Option Activity A summary of stock option activity for the nine months ended September 30, 2024 is presented below:Number of OptionsOutstandingÂ andExercisableWeighted-AverageExercise PriceAggregate Intrinsic Value (in thousands)Weighted-AverageRemaining ContractualTerm (in years)Options outstanding, January 1, 20241,000,000Â $3.00Â Options grantedâ€”Â â€”Â Options exercisedâ€”Â â€”Â Options expired / forfeitedâ€”Â â€”Â Options outstanding, September 30, 20241,000,000Â $3.00Â $2,870Â 8.79Options vested and exercisable, September 30, 2024333,333Â $3.00Â $957Â 8.79 X - ReferencesNo definition available. + Details Name: us-gaap_DisclosureOfCompensationRelatedCostsSharebasedPaymentsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of cost recognized for award under share-based payment arrangement by plan. Includes, but is not limited to, related tax benefit. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 10 -Section 50 -Paragraph 2 -Subparagraph (h)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ScheduleOfCompensationCostForShareBasedPaymentArrangementsAllocationOfShareBasedCompensationCostsByPlanTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure for stock option plans. Includes, but is not limited to, outstanding awards at beginning and end of year, grants, exercises, forfeitures, and weighted-average grant date fair value. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d) -SubTopic 10 -Topic 718 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e) -SubTopic 10 -Topic 718 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ScheduleOfShareBasedCompensationStockOptionsActivityTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of the number and weighted-average grant date fair value for restricted stock and restricted stock units that were outstanding at the beginning and end of the year, and the number of restricted stock and restricted stock units that were granted, vested, or forfeited during the year. + ReferencesNo definition available. + Details Name: us-gaap_ScheduleOfSharebasedCompensationRestrictedStockAndRestrictedStockUnitsActivityTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of cost not yet recognized and weighted-average period over which cost is expected to be recognized for nonvested award under share-based payment arrangement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 718 -SubTopic 10 -Subparagraph (i) -Name Accounting Standards Codification -Paragraph 2 -Section 50 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ScheduleOfUnrecognizedCompensationCostNonvestedAwardsTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the number and weighted-average grant date fair value for outstanding performance shares. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Subparagraph (c) -Paragraph 2 -SubTopic 10 -Topic 718 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationPerformanceSharesAwardOutstandingActivityTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 42 R31.htm IDEA: XBRL DOCUMENT v3.24.3 Income Taxes (Tables) 9 Months Ended Sep. 30, 2024 Income Tax Disclosure [Abstract] Â Schedule of Income Tax Expense and Effective Tax Rates For the three and nine months ended SeptemberÂ 30, 2024 and 2023, the Company's income tax (expense) benefit and effective tax rates are presented below: Three Months Ended September 30,Nine Months Ended September 30,(in thousands, except for rate)2024202320242023Income tax (expense) benefit$â€”Â $â€”Â (30)33Â Effective tax rateâ€”Â %â€”Â %1Â %â€”Â % X - DefinitionSchedule of Income Tax Expense and Effective Tax Rates [Table Text Block] + ReferencesNo definition available. + Details Name: ades_ScheduleofIncomeTaxExpenseandEffectiveTaxRatesTableTextBlock Namespace Prefix: ades_ Data Type: dtr-types1:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_IncomeTaxDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 43 R32.htm IDEA: XBRL DOCUMENT v3.24.3 Organization and Basis of Presentation - Schedule of Calculations of Basic and Diluted Loss Per Share (Details) - USD ($) $ / shares in Units, shares in Thousands, $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Jun. 30, 2024 Mar. 31, 2024 Sep. 30, 2023 Jun. 30, 2023 Mar. 31, 2023 Sep. 30, 2024 Sep. 30, 2023 Accounting Policies [Abstract] Â Â Â Â Â Â Â Â Â Net income (loss) $ 1,617 $ (1,968) $ (3,419) $ (2,175) $ (5,856) $ (7,508) $ (3,770) $ (15,539) Less: Dividends declared on redeemable preferred stock 0 Â Â Â 0 Â Â Â 0 157 Income (loss) attributable to common stockholders, basic 1,617 Â Â Â (2,175) Â Â Â (3,770) (15,696) Income (loss) attributable to common stockholders, diluted $ 1,617 Â Â Â $ (2,175) Â Â Â $ (3,770) $ (15,696) Basic weighted-average common shares outstanding (in shares) 36,124 Â Â Â 31,807 Â Â Â 34,085 27,894 Add: dilutive effect of equity instruments (in shares) 1,318 Â Â Â 0 Â Â Â 0 0 Diluted weighted-average shares outstanding (in shares) 37,442 Â Â Â 31,807 Â Â Â 34,085 27,894 Earnings (loss) per share - basic (in dollars per share) $ 0.04 Â Â Â $ (0.07) Â Â Â $ (0.11) $ (0.56) Earnings (loss) per share - diluted (in dollars per share) $ 0.04 Â Â Â $ (0.07) Â Â Â $ (0.11) $ (0.56) Total shares excluded from diluted shares outstanding (in shares) 300 Â Â Â 2,300 Â Â Â 2,500 1,400 X - ReferencesNo definition available. + Details Name: us-gaap_AccountingPoliciesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionSecurities (including those issuable pursuant to contingent stock agreements) that could potentially dilute basic earnings per share (EPS) or earnings per unit (EPU) in the future that were not included in the computation of diluted EPS or EPU because to do so would increase EPS or EPU amounts or decrease loss per share or unit amounts for the period presented. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1 + Details Name: us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionThe amount of net income (loss) for the period per each share of common stock or unit outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-52Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-15Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7 + Details Name: us-gaap_EarningsPerShareBasic Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe amount of net income (loss) for the period available to each share of common stock or common unit outstanding during the reporting period and to each share or unit that would have been outstanding assuming the issuance of common shares or units for all dilutive potential common shares or units outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-52Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-15Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7 + Details Name: us-gaap_EarningsPerShareDiluted Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-6Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI

https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 17: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-10Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount, after deduction of tax, noncontrolling interests, dividends on preferred stock and participating securities; of income (loss) available to common shareholders. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 5 -Subparagraph (SAB Topic 6.B) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-5Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60B + Details Name: us-gaap_NetIncomeLossAvailableToCommonStockholdersBasic Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount, after deduction of tax, noncontrolling interests, dividends on preferred stock and participating securities, and addition from assumption of issuance of common shares for dilutive potential common shares; of income (loss) available to common shareholders. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 5 -Subparagraph (SAB Topic 6.B) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-5Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 16 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-16Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 40 -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-40Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 40 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-40Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 40 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-40Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 40 -Subparagraph (b)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-40 + Details Name: us-gaap_NetIncomeLossAvailableToCommonStockholdersDiluted Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionDividends paid to preferred stock holders that is redeemable solely at the option of the issuer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 260 -SubTopic 10 -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-11 + Details Name: us-gaap_RedeemablePreferredStockDividends Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe sum of dilutive potential common shares or units used in the calculation of the diluted per-share or per-unit computation. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1 + Details Name: us-gaap_WeightedAverageNumberDilutedSharesOutstandingAdjustment Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionThe average number of shares or units issued and outstanding that are used in calculating diluted EPS or earnings per unit (EPU), determined based on the timing of issuance of shares or units in the period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 16 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-16 + Details Name: us-gaap_WeightedAverageNumberOfDilutedSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber of [basic] shares or units, after adjustment for contingently issuable shares or units and other shares or units not deemed outstanding, determined by relating the portion of time within a reporting period that common shares or units have been outstanding to the total time in that period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10 + Details Name: us-gaap_WeightedAverageNumberOfSharesOutstandingBasic Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration XML 44 R33.htm IDEA: XBRL DOCUMENT v3.24.3 Organization and Basis of Presentation - Narrative (Details) Feb. 28, 2023 Arq Limited Â Accounting Policies [Line Items] Â Subsidiary, ownership percentage, parent 100.00% X - DefinitionAccounting Policies [Line Items] + ReferencesNo definition available. + Details Name: ades_AccountingPoliciesLineItems Namespace Prefix: ades_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe parent entity's interest in net assets of the subsidiary, expressed as a percentage. + ReferencesNo definition available. + Details Name: us-gaap_MinorityInterestOwnershipPercentageByParent Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - Details Name: srt_OwnershipAxis=ades_ArqLimitedMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 45 R34.htm IDEA: XBRL DOCUMENT v3.24.3 Arq Acquisition - Narrative (Details) $ / shares in Units, $ in Thousands 1 Months Ended 3 Months Ended 9 Months Ended Apr. 21, 2023 USD ($) Mar. 31, 2023 shares Feb. 01, 2023 USD ($) $ / shares shares Sep. 30, 2024 USD ($) $ / shares shares Sep. 30, 2023 USD ($) Sep. 30, 2024 USD ($) $ / shares shares Sep. 30, 2023 USD ($) Sep. 30, 2024 $ / shares shares Dec. 31, 2023 $ / shares shares Feb. 28, 2023 Business Acquisition [Line Items] Â Â Â Â Â Â Â Â Â Â Purchase par value (in dollars per share) | $ / shares Â Â Â $ 0.001 Â $ 0.001 Â Â $ 0.001 Â Temporary equity, par value (in dollars per share) | $ / shares Â Â $ 0.001 Â Â Â Â Â Â Â Paid-in-kind dividend on Series A Preferred Stock $ 200 Â Â Â Â Â $ 0 $ 157 Â Â Â Preferred stock, shares issued (in shares) | shares Â Â Â 0 Â 0 Â 0 0 Â Preferred stock par value (in dollars per share) | $ / shares Â Â Â $ 0.001 Â $ 0.001 Â Â $ 0.001 Â Consideration received on transaction Â Â Â $ 26,700 Â Â Â Â Â Â Price per share (in dollars per share) | (per share) Â Â $ 4.00 Â Â Â Â $ 5.25 Â Â Â Arq Limited Â Â Â Â Â Â Â Â Â Â Business Acquisition [Line Items] Â Â Â Â Â Â Â Â Â Â Subsidiary, ownership percentage, parent Â Â Â Â Â Â Â Â 100.00% Series A Preferred Stock Â Â Â Â Â Â Â Â Â Â Business Acquisition [Line Items] Â Â Â Â Â Â Â Â Â Â Preferred stock dividends declared on redeemable preferred stock (in shares) | shares Â 68,464 Â Â Â Â Â Â Â Common Stock Â Â Â Â Â Â Â Â Â Â Business Acquisition [Line Items] Â Â Â Â Â Â Â Â Â Â Consideration received on transaction Â Â $ 15,400 Â Â Â Â Â Â Â Arq Limited Â Â Â Â Â Â Â Â Â Â Business Acquisition [Line Items] Â Â Â Â Â Â Â Â Â Â Consideration transferred Â Â 31,200 Â Â Â Â Â Â Â Acquisition related costs Â Â $ 8,700 Â Â Â Â Â Â Â Preferred stock, shares issued (in shares) | shares Â Â 833,914 Â Â Â Â Â Â Â Preferred stock par value (in dollars per share) | $ / shares Â Â $ 3.46 Â Â Â Â Â Â Â Contingent consideration, liability Â Â $ 3,300 Â Â Â Â Â Â Â Decrease in depreciation and amortization Â Â Â Â $ 200 Â Â Â Â Â Increase in intangible assets Â Â Â Â 100 Â Â Â Â Increase in interest expense Â Â Â Â $ 200 Â Â Â Â Â Arq Limited | Series A Preferred Stock Â Â Â Â Â Â Â Â Â Â Business Acquisition [Line Items] Â Â Â Â Â Â Â Â Â Â Preferred stock, shares designated (in shares) | shares Â Â 8,900,000 Â Â Â Â Â Â Â Shares issued (in dollars per share) | $ / shares Â Â $ 4.00 Â Â Â Â Â Â Â Arq Limited | Common Stock Â Â Â Â Â Â Â Â Â Â Business Acquisition [Line Items] Â Â Â Â Â Â Â Â Â Â Business acquisition, issued number of shares (in shares) | shares Â Â 3,814,864 Â Â Â Â Â Â Â Business acquisition, issued number of shares issuable, value Â Â $ 12,400 Â Â Â Â Â Â Â Arq Limited | Preferred Stock Â Â Â Â Â Â Â Â Â Â Business Acquisition [Line Items] Â Â Â Â Â Â Â Â Â Â Business acquisition, issued number of shares (in shares) | shares Â Â 5,294,462 Â Â Â Â Â Â Â Business acquisition, issued number of shares issuable, value Â Â $ 18,800 Â Â Â Â Â Â Â X - DefinitionBusiness Combination, Amortization, Depreciation And Amortization, Increase (Decrease) + ReferencesNo definition available. + Details Name: ades_BusinessCombinationAmortizationDepreciationAndAmortizationIncreaseDecrease Namespace Prefix: ades_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionBusiness Combination, Amortization, Intangible Assets, Increase (Decrease) + ReferencesNo definition available. + Details Name: ades_BusinessCombinationAmortizationIntangibleAssetsIncreaseDecrease Namespace Prefix: ades_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionBusiness Combination, Amortization, Interest Expense, Increase (Decrease) + ReferencesNo definition available. + Details Name: ades_BusinessCombinationAmortizationInterestExpenseIncreaseDecrease Namespace Prefix: ades_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionPreferred Stock, Shares Designated + ReferencesNo definition available. + Details Name: ades_PreferredStockSharesDesignated Namespace Prefix: ades_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionValue of equity interests (such as common shares, preferred shares, or partnership interest) issued or issuable to acquire the entity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 805 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479581/805-30-50-1 + Details Name: us-gaap_BusinessAcquisitionEquityInterestIssuedOrIssuableValueAssigned Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionNumber of shares of equity interests issued or issuable to acquire entity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 805 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(4) -Publisher

FASB -URI https://asc.fasb.org/1943274/2147479581/805-30-50-1 + Details Name: us-gaap_BusinessAcquisitionEquityInterestsIssuedOrIssuableNumberOfSharesIssued Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479907/805-20-50-5 + Details Name: us-gaap_BusinessAcquisitionLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThis element represents acquisition-related costs incurred to effect a business combination which costs have been expensed during the period. Such costs include finder's fees; advisory, legal, accounting, valuation, and other professional or consulting fees; general administrative costs, including the costs of maintaining an internal acquisitions department; and may include costs of registering and issuing debt and equity securities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 805 -SubTopic 10 -Section 25 -Paragraph 23 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479405/805-10-25-23 + Details Name: us-gaap_BusinessCombinationAcquisitionRelatedCosts Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of consideration transferred, consisting of acquisition-date fair value of assets transferred by the acquirer, liabilities incurred by the acquirer, and equity interest issued by the acquirer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 30 -Paragraph 8 -SubTopic 30 -Topic 805 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479637/805-30-30-8Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -SubTopic 30 -Topic 805 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479581/805-30-50-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 30 -Paragraph 7 -SubTopic 30 -Topic 805 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479637/805-30-30-7 + Details Name: us-gaap_BusinessCombinationConsiderationTransferred1 Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of liability recognized arising from contingent consideration in a business combination. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 805 -SubTopic 30 -Name Accounting Standards Codification -Section 35 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479613/805-30-35-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479581/805-30-50-1Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 805 -SubTopic 30 -Section 25 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479668/805-30-25-6 + Details Name: us-gaap_BusinessCombinationContingentConsiderationLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionFace amount or stated value per share of common stock. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_CommonStockParOrStatedValuePerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionAmount of paid and unpaid preferred stock dividends declared with the form of settlement in payment-in-kind (PIK). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 2 -SubTopic 405 -Topic 942 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477787/942-405-45-2 + Details Name: us-gaap_DividendsPreferredStockPaidinkind Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe parent entity's interest in net assets of the subsidiary, expressed as a percentage. + ReferencesNo definition available. + Details Name: us-gaap_MinorityInterestOwnershipPercentageByParent Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - DefinitionNumber of shares of preferred stock issued as dividends during the period. Excludes stock splits. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2 + Details Name: us-gaap_PreferredStockDividendsShares Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionFace amount or stated value per share of preferred stock nonredeemable or redeemable solely at the option of the issuer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13 + Details Name: us-gaap_PreferredStockParOrStatedValuePerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionNumber of shares issued for nonredeemable preferred shares and preferred shares redeemable solely at option of issuer. Includes, but is not limited to, preferred shares issued, repurchased, and held as treasury shares. Excludes preferred shares classified as debt. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13 + Details Name: us-gaap_PreferredStockSharesIssued Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionCash received on stock transaction after deduction of issuance costs. + ReferencesNo definition available. + Details Name: us-gaap_SaleOfStockConsiderationReceivedOnTransaction Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionPer share amount received by subsidiary or equity investee for each share of common stock issued or sold in the stock transaction. + ReferencesNo definition available. + Details Name: us-gaap_SaleOfStockPricePerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionPer share or per unit amount of equity securities issued. + ReferencesNo definition available. + Details Name: us-gaap_SharesIssuedPricePerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionPer share amount of par value or stated value of stock classified as temporary equity. Temporary equity is a security with redemption features that are outside the control of the issuer, is not classified as an asset or liability in conformity with GAAP, and is not mandatorily redeemable. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(27)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 480 -SubTopic 10 -Section S99 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480244/480-10-S99-1 + Details Name: us-gaap_TemporaryEquityParOrStatedValuePerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - Details Name: srt_OwnershipAxis=ades_ArqLimitedMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementClassOfStockAxis=us-gaap_SeriesAPreferredStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementEquityComponentsAxis=us-gaap_CommonStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_BusinessAcquisitionAxis=ades_ArqLimitedMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementEquityComponentsAxis=us-gaap_PreferredStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 46 R35.htm IDEA: XBRL DOCUMENT v3.24.3 Arq Acquisition - Schedule of Final Purchase Price Allocation to the Assets Acquired and Liabilities Assumed (Details) - Arq Limited $ in Thousands Feb. 01, 2023 USD ($) Business Acquisition [Line Items] Â Cash $ 1,411 Prepaid expenses and other current assets 2,229 Restricted cash, long-term 814 Property, plant and equipment, net 39,159 Other long-term assets, net 11,717 Amount attributable to assets acquired 55,330 Accounts payable and accrued expenses 9,806 Current portion of long-term debt 494 Other current liabilities 103 Long-term debt, net of current portion 9,199 Other long-term liabilities 4,523 Amount attributable to liabilities assumed 24,125 Net assets acquired 31,205 Developed technology Â Business Acquisition [Line Items] Â Amount $ 7,700 Weighted Average Useful Life (years) 20 years X - DefinitionBusiness Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Noncurrent Assets, Restricted Cash + ReferencesNo definition available. + Details Name: ades_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNoncurrentAssetsRestrictedCash Namespace Prefix: ades_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionWeighted average amortization period of finite-lived intangible assets acquired either individually or as part of a group of assets, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2 + Details Name: us-gaap_AcquiredFiniteLivedIntangibleAssetsWeightedAverageUsefulLife Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479907/805-20-50-5 + Details Name: us-gaap_BusinessAcquisitionLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of assets acquired at the acquisition date. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 805 -SubTopic 20 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479907/805-20-50-1 + Details Name: us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of currency on hand as well as demand deposits with banks or financial institutions, acquired at the acquisition date. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 805 -SubTopic 20 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479907/805-20-50-1 + Details Name: us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCashAndEquivalents Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of asset related to consideration paid in advance for costs that provide economic benefits in future periods, and amount of other assets that are expected to be realized or consumed within one year or the normal operating cycle, if longer, acquired at the acquisition date. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 805 -SubTopic 20 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479907/805-20-50-1 + Details Name: us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentAssetsPrepaidExpenseAndOtherAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of liabilities incurred for goods and services received that are used in an entity's business and related party payables, assumed at the acquisition date. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 805 -SubTopic 20 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479907/805-20-50-1 + Details Name: us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentLiabilitiesAccountsPayable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of deferred revenue expected to be recognized as such within one year or the normal operating cycle, if longer, assumed at the acquisition date. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 805 -SubTopic 20 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479907/805-20-50-1 + Details Name: us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentLiabilitiesDeferredRevenue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of long-term debt due within one year or within the normal operating cycle, if longer, assumed at the acquisition date. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 805 -SubTopic 20 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479907/805-20-50-1 + Details Name: us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentLiabilitiesLongTermDebt Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of other liabilities due within one year or within the normal operating cycle, if longer, assumed at the acquisition date. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 805 -SubTopic 20 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479907/805-20-50-1 + Details Name: us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentLiabilitiesOther Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of liabilities assumed at the acquisition date. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 805 -SubTopic 20 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479907/805-20-50-1 + Details Name: us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedLiabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount recognized as of the acquisition date for the identifiable assets acquired in excess of (less than) the aggregate liabilities assumed. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 805 -SubTopic 10 -Section 55 -Paragraph 37 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479303/805-10-55-37Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 805 -SubTopic 20 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479907/805-20-50-1 + Details Name: us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of other liabilities due after one year or the normal operating cycle, if longer, assumed at the acquisition date. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 805 -SubTopic 20 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479907/805-20-50-1 + Details Name: us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNoncurrentLiabilitiesOther Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of other assets expected to be realized or consumed after one year or the normal operating cycle, if longer, acquired at the acquisition date. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 805 -SubTopic 20 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479907/805-20-50-1 + Details Name: us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedOtherNoncurrentAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type:

debit Period Type: instant X - DefinitionThe amount of property, plant, and equipment recognized as of the acquisition date. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 805 -SubTopic 10 -Section 55 -Paragraph 37 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479303/805-10-55-37Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 805 -SubTopic 20 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479907/805-20-50-1 + Details Name: us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedPropertyPlantAndEquipment Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of increase in assets, excluding financial assets, lacking physical substance with a definite life, from an acquisition. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-1 + Details Name: us-gaap_FinitelivedIntangibleAssetsAcquired1 Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - Details Name: us-gaap_BusinessAcquisitionAxis=ades_ArqLimitedMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap_DevelopedTechnologyRightsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 47 R36.htm IDEA: XBRL DOCUMENT v3.24.3 Arq Acquisition - Schedule of Pro Forma Revenues (Details) $ in Thousands 9 Months Ended Sep. 30, 2023 USD ($) Business Combination, Asset Acquisition, and Joint Venture Formation [Abstract] Â Revenues $ 71,079 Net loss $ (12,100) X - DefinitionThe pro forma net Income or Loss for the period as if the business combination or combinations had been completed at the beginning of a period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (h)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479328/805-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (h)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479328/805-10-50-2 + Details Name: us-gaap_BusinessAcquisitionsProFormaNetIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe pro forma revenue for a period as if the business combination or combinations had been completed at the beginning of the period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (h)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479328/805-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (h)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479328/805-10-50-2 + Details Name: us-gaap_BusinessAcquisitionsProFormaRevenue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_BusinessCombinationAndAssetAcquisitionAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 48 R37.htm IDEA: XBRL DOCUMENT v3.24.3 Revenues - Narrative (Details) 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Revenue from Contract with Customer [Abstract] Â Â Â Â Collection terms Â Â Credit terms are generally net 30 - 45 days from the date of invoice. Â Disaggregation of Revenue [Line Items] Â Â Â Â Collection terms Â Â Credit terms are generally net 30 - 45 days from the date of invoice. Â Revenue from Contract with Customer Benchmark | Geographic Concentration Risk | Canada Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Percent of revenue generated 5.00% 7.00% 7.00% 8.00% X - DefinitionFor an entity that discloses a concentration risk in relation to quantitative amount, which serves as the "benchmark" (or denominator) in the equation, this concept represents the concentration percentage derived from the division. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 825 -SubTopic 10 -Section 50 -Paragraph 21 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-21Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 825 -SubTopic 10 -Section 50 -Paragraph 20 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-20Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 18 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-18Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 20 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-20 + Details Name: us-gaap_ConcentrationRiskPercentage1 Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-5Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 6: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 8: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91 + Details Name: us-gaap_DisaggregationOfRevenueLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_RevenueFromContractWithCustomerAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionDescription of timing for satisfying performance obligation in contract with customer. Includes, but is not limited to, as services are rendered, and upon shipment, delivery or completion of service. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12 + Details Name: us-gaap_RevenuePerformanceObligationDescriptionOfTiming Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_ConcentrationRiskByBenchmarkAxis=us-gaap_RevenueFromContractWithCustomerMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ConcentrationRiskByTypeAxis=us-gaap_GeographicConcentrationRiskMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_StatementGeographicalAxis=country_CA Namespace Prefix: Data Type: na Balance Type: Period Type: XML 49 R38.htm IDEA: XBRL DOCUMENT v3.24.3 Revenues - Schedule of Accounts Receivables (Details) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Accounts, Notes, Loans and Financing Receivable [Line Items] Â Â Receivables, net $ 16,590 $ 16,192 Trade and other receivables, net Â Â Accounts, Notes, Loans and Financing Receivable [Line Items] Â Â Receivables, net 16,465 11,330 Unbilled receivables Â Â Accounts, Notes, Loans and Financing Receivable [Line Items] Â Â Receivables, net $ 125 $ 4,862 X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 310 -SubTopic 20 -Name Accounting Standards Codification -Section 40 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481628/310-20-40-7Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481990/310-10-45-2 + Details Name: us-gaap_AccountsNotesAndLoansReceivableLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount, after allowance for credit loss, of right to consideration from customer for product sold and service rendered in normal course of business, classified as current. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481990/310-10-45-2 + Details Name: us-gaap_AccountsReceivableNetCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_AccountsNotesLoansAndFinancingReceivableByReceivableTypeAxis=us-gaap_TradeAccountsReceivableMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AccountsNotesLoansAndFinancingReceivableByReceivableTypeAxis=ades_UnbilledReceivablesMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 50 R39.htm IDEA: XBRL DOCUMENT v3.24.3 Inventories, net (Details) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Inventory Disclosure [Abstract] Â Â Product inventory, net $ 11,498 $ 9,524 Raw material inventory 6,989 10,169 Total inventories, net $ 18,487 $ 19,693 X - ReferencesNo definition available. + Details Name: us-gaap_InventoryDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount before valuation and LIFO reserves of completed merchandise or goods expected to be sold within one year or operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryFinishedGoods Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount after valuation and LIFO reserves of inventory expected to be sold, or consumed within one year or operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionGross amount of unprocessed materials to be used in manufacturing or production process and supplies that will be consumed. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryRawMaterialsAndSupplies Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 51 R40.htm IDEA: XBRL DOCUMENT v3.24.3 Debt Obligations - Schedule of Debt (Details) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Debt Instrument [Line Items] Â Â Finance lease obligations $ 2,192 $ 3,465 Other 258 0 Long-term debt 21,573 22,992 Unamortized debt discounts (623) (815) Unamortized debt issuance costs (992) (1,250) Long-term debt 19,958 20,927 Less: Current maturities (2,324) (2,653) Total long-term debt obligations 17,634 18,274 CFG Loan due February 2027, related party Â Â Debt Instrument [Line Items] Â Â Loan due 10,000 10,000 CTB Loan due January 2036 Â Â Debt Instrument [Line Items] Â Â Loan due $ 9,123 $ 9,527 X - DefinitionAmount, before unamortized (discount) premium and debt issuance costs, of long-term debt. Includes, but is not limited to, notes payable, bonds payable, commercial loans, mortgage loans, convertible debt, subordinated debt and other types of debt. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-4 + Details Name: us-gaap_DebtInstrumentCarryingAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482949/835-30-55-8Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(f)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.12-04(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-3Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69B -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69BReference 6: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69C -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69CReference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69E -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69EReference 8: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69F -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69FReference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 11: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1DReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1DReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1DReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1E -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1EReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1E -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1EReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1E -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1EReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (a) -Publisher FASB -URI

https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1I -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1IReference 26: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2Reference 27: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482900/835-30-50-1 + Details Name: us-gaap_DebtInstrumentLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount, after accumulated amortization, of debt discount. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-1AReference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482900/835-30-50-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1D + Details Name: us-gaap_DebtInstrumentUnamortizedDiscount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from finance lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_FinanceLeaseLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt. Excludes lease obligation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482949/835-30-55-8Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69B -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69BReference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69C -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69CReference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1DReference 7: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(16)(a)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (b)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-4 + Details Name: us-gaap_LongTermDebt Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of long-term debt and lease obligation, including portion classified as current. + ReferencesNo definition available. + Details Name: us-gaap_LongTermDebtAndCapitalLeaseObligationsIncludingCurrentMaturities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt classified as current. Excludes lease obligation. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LongTermDebtCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt classified as noncurrent. Excludes lease obligation. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LongTermDebtNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of long-term debt classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(16)(a)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap_OtherLongTermDebt Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionThe remaining balance of debt issuance expenses that were capitalized and are being amortized against income over the lives of the respective bond issues. This does not include the amounts capitalized as part of the cost of the utility plant or asset. + ReferencesNo definition available. + Details Name: us-gaap_UnamortizedDebtIssuanceExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_DebtInstrumentAxis=ades_SeniorTermLoanMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_DebtInstrumentAxis=ades_CTBLoanDueJanuary2036Member Namespace Prefix: Data Type: na Balance Type: Period Type: XML 52 R41.htm IDEA: XBRL DOCUMENT v3.24.3 Debt Obligations - Narrative (Details) 3 Months Ended 9 Months Ended Mar. 29, 2024 shares Feb. 01, 2023 USD ($) $ / shares shares Jan. 27, 2021 USD ($) debtInstrument Mar. 31, 2024 shares Sep. 30, 2024 USD ($) Dec. 31, 2023 USD ($) Jun. 02, 2023 USD ($) Debt Instrument [Line Items] Â Â Â Â Â Â Â Unamortized discount Â Â Â Â $ 623,000 $ 815,000 Â Debt instrument, post-transaction from exercise of warrant Â 1.00% Â Â Â Â Â Common Stock Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Â Exercise of warrant, net (in shares) | shares 324,955 Â Â 324,955 Â Â Â CF Global Credit, LP Â Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Issuance of warrant (in shares) | shares Â 325,457 Â Â Â Â Â Exercise price of warrants (in dollars per share) | $ / shares Â $ 0.01 Â Â Â Â Â Term Â 7 years Â Â Â Â Â Secured Debt Â Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Â Proceeds from issuance of debt Â $ 10,000,000.0 Â Â Â Â Â Unamortized discount Â 200,000 Â Â Â Â Â Net cash proceeds Â 8,500,000 Â Â Â Â Â Debt issuance costs Â $ 1,300,000 Â Â Â Â Â Promissory Notes Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Number of instruments (in instruments) | debtInstrument Â Â 2 Â Â Â Â Secured Debt Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Exercise price of warrants (in dollars per share) | $ / shares Â $ 0.01 Â Â Â Â Â Debt instrument, covenant loan to value ratio Â 0.40 Â Â Â Â Â Secured Debt | Arq Limited Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Unamortized discount Â $ 300,000 Â Â Â Â Â Face amount Â 10,000,000.0 Â Â Â Â Â Estimated fair value Â $ 9,700,000 Â Â Â Â Â Periodic payment, principal Â Â $ 100,000 Â Â Â Â Debt instrument, fee amount Â Â Â Â Â Â Â $ 50,000 Debt instrument, collateral amount Â Â Â Â Â Â Â $ 700,000 Indebtedness to net worth ratio Â Â Â Â Â 4 Â Â Debt instrument, annual increase Â Â Â Â 20.00% Â Â Equity percentage Â Â Â Â 1.25 Â Â Secured Debt | Arq Limited | Promissory Note A Â Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Face amount Â Â 8,000,000.0 Â Â Â Â Secured Debt | Arq Limited | Promissory Note B Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Face amount Â Â $ 2,000,000.0 Â Â Â Â Secured Debt | Between 1 And 36 Moths Â Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Â Debt instrument, prepayment premium Â 2.00% Â Â Â Â Secured Debt | Between 37 Months And Maturity Date Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Debt instrument, prepayment premium Â 1.00% Â Â Â Â Â Secured Debt | Adjusted Term SOFR for an Interest Period of One Month in Effect on the Third U.S. Government Securities Business Day Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Debt instrument, prepayment premium Â 2.00% Â Â Â Â Â Secured Debt | Fiscal Year 2024 Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Debt covenant, minimum annual Revenue requirement Â $ 85,000,000 Â Â Â Â Â Debt covenant, minimum consolidated EBITDA requirement Â 3,000,000 Â Â Â Â Â Secured Debt | Fiscal Year 2025 and Thereafter Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Debt covenant, minimum annual Revenue requirement Â 100,000,000 Â Â Â Â Â Debt covenant, minimum consolidated EBITDA requirement Â 16,000,000 Â Â Â Â Â Secured Debt | Through January 2026 | Arq Limited Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Interest rate, stated percentage Â Â 6.00% Â Â Â Â Secured Debt | Penalty Year 2024 | Arq Limited Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Prepayment penalty, percentage Â Â Â Â 3.00% Â Â Secured Debt | Penalty Year 2025 | Arq Limited Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Prepayment penalty, percentage Â Â Â Â 2.00% Â Â Secured Debt | Penalty Year 2026 | Arq Limited Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Prepayment penalty, percentage Â Â Â Â 1.00% Â Â Secured Debt | Beginning March 31, 2023 Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Debt covenant, minimum cash balance requirement Â $ 5,000,000 Â Â Â Â Â Secured Debt | SOFR Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Debt instrument, floor rate percentage Â 1.00% Â Â Â Â Â Debt instrument, cap rate percentage Â 2.00% Â Â Â Â Â Debt instrument, percent of paid in cash Â 9.00% Â Â Â Â Â Debt instrument, percent of paid in kind Â 5.00% Â Â Â Â Â Secured Debt | SOFR | Adjusted Term SOFR for an Interest Period of One Month in Effect on the Third U.S. Government Securities Business Day Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Debt instrument, interest rate Â 14.00% Â Â Â Â Â Secured Debt | Base Rate Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Debt instrument, percent of paid in cash Â 8.00% Â Â Â Â Â Secured Debt | Prime Rate | After January 2026 | Arq Limited Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Interest rate, stated percentage Â Â 2.75% Â Â Â Â X - DefinitionDebt Covenant, Minimum Annual Revenue Requirement + ReferencesNo definition available. + Details Name: ades_DebtCovenantMinimumAnnualRevenueRequirement Namespace Prefix: ades_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionDebt Covenant, Minimum Cash Balance Requirement + ReferencesNo definition available. + Details Name: ades_DebtCovenantMinimumCashBalanceRequirement Namespace Prefix: ades_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionMinimum Consolidated EBITDA Amount + ReferencesNo definition available. + Details Name: ades_DebtCovenantMinimumConsolidatedEBITDARequirement Namespace Prefix: ades_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionDebt Instrument, Cap Rate Percentage + ReferencesNo definition available. + Details Name: ades_DebtInstrumentCapRatePercentage Namespace Prefix: ades_ Data Type: dtr-types1:percentItemType Balance Type: na Period Type: duration X - DefinitionDebt Instrument, Covenant, Indebtedness to Net Worth + ReferencesNo definition available. + Details Name: ades_DebtInstrumentCovenantIndebtednessToNetWorth Namespace Prefix: ades_ Data Type: xbrli:pureItemType Balance Type: na Period Type: duration X - DefinitionDebt Instrument, Covenant Loan To Value Ratio + ReferencesNo definition available. + Details Name: ades_DebtInstrumentCovenantLoanToValueRatio Namespace Prefix: ades_ Data Type: xbrli:pureItemType Balance Type: na Period Type: instant X - DefinitionDebt Instrument, Floor Rate Percentage + ReferencesNo definition available. + Details Name: ades_DebtInstrumentFloorRatePercentage Namespace Prefix: ades_ Data Type: dtr-types1:percentItemType Balance Type: na Period Type: duration X - DefinitionDebt Instrument, Interest Rate, Assuming All Interest Was Paid In Cash + ReferencesNo definition available. + Details Name: ades_DebtInstrumentInterestRateAssumingAllInterestWasPaidInCash Namespace Prefix: ades_ Data Type: dtr-types1:percentItemType Balance Type: na Period Type: duration X - DefinitionDebt Instrument, Number Of Instruments + ReferencesNo definition available. + Details Name: ades_DebtInstrumentNumberOfInstruments Namespace Prefix: ades_ Data Type: xbrli:integerItemType Balance Type: na Period Type: instant X - DefinitionDebt Instrument, Percent Of Margin Paid In Cash + ReferencesNo definition available. + Details Name: ades_DebtInstrumentPercentOfMarginPaidInCash Namespace Prefix: ades_ Data Type: dtr-types1:percentItemType Balance Type: na Period Type: duration X - DefinitionDebt Instrument, Percent Of Paid In Kind + ReferencesNo definition available. + Details Name: ades_DebtInstrumentPercentOfPaidInKind Namespace Prefix: ades_ Data Type: dtr-types1:percentItemType Balance Type: na Period Type: duration X - DefinitionDebt Instrument Post Transaction From Exercise Of Warrant + ReferencesNo definition available. + Details Name: ades_DebtInstrumentPostTransactionFromExerciseOfWarrant Namespace Prefix: ades_ Data Type: dtr-types1:percentItemType Balance Type: na Period Type: duration X - DefinitionDebt Instrument, Prepayment Penalty, Percentage + ReferencesNo definition available. + Details Name: ades_DebtInstrumentPrepaymentPenaltyPercentage Namespace Prefix: ades_ Data Type: dtr-types1:percentItemType Balance Type: na Period Type: instant X - DefinitionOutstanding Repaid or Prepaid Principal Percentage + ReferencesNo definition available. + Details Name: ades_DebtInstrumentPrepaymentPremiumPercentOfOutstandingPrincipalAmount Namespace Prefix: ades_ Data Type: dtr-types1:percentItemType Balance Type: na Period Type: duration X - DefinitionStock Issued During Period, Shares, Warrant Exercised + ReferencesNo definition available. + Details Name: ades_StockIssuedDuringPeriodSharesWarrantExercised Namespace Prefix: ades_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionExercise price per share or per unit of warrants or rights outstanding. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-3 + Details Name: us-gaap_ClassOfWarrantOrRightExercisePriceOfWarrantsOrRights1 Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionNumber of warrants or rights outstanding. + ReferencesNo definition available. + Details Name: us-gaap_ClassOfWarrantOrRightOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionAmount of assets pledged to secure a debt instrument. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 942 -SubTopic 470 -Section 50 -Paragraph 3 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477734/942-470-50-3 + Details Name: us-gaap_DebtInstrumentCollateralAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionRatio applied to the conversion of debt instrument into equity with equity shares divided by debt principal amount. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 505 -SubTopic 10 -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-3Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-7Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-6 + Details Name: us-gaap_DebtInstrumentConvertibleConversionRatio1 Namespace Prefix: us-gaap_ Data Type: xbrli:pureItemType Balance Type: na Period Type: duration X - DefinitionFace (par) amount of debt instrument at time of issuance. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482949/835-30-55-8Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -

Name Accounting Standards Codification -Section 55 -Paragraph 69B -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69BReference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69C -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69CReference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482900/835-30-50-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2 + Details Name: us-gaap_DebtInstrumentFaceAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionFair value portion of debt instrument payable, including, but not limited to, notes payable and loans payable. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2E -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2EReference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 6: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69B -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69BReference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69C -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69CReference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1DReference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-10 + Details Name: us-gaap_DebtInstrumentFairValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of the fee that accompanies borrowing money under the debt instrument. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_DebtInstrumentFeeAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionIncremental percentage increase (decrease) in the stated rate on a debt instrument. + ReferencesNo definition available. + Details Name: us-gaap_DebtInstrumentInterestRateIncreaseDecrease Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionContractual interest rate for funds borrowed, under the debt agreement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1B + Details Name: us-gaap_DebtInstrumentInterestRateStatedPercentage Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482949/835-30-55-8Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(f)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.12-04(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-3Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69B -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69BReference 6: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69C -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69CReference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69E -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69EReference 8: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69F -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69FReference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 11: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1DReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1DReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1DReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1E -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1EReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1E -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1EReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1E -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1EReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1I -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1IReference 26: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2Reference 27: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482900/835-30-50-1 + Details Name: us-gaap_DebtInstrumentLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of the required periodic payments applied to principal. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_DebtInstrumentPeriodicPaymentPrincipal Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount, after accumulated amortization, of debt discount. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-1AReference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482900/835-30-50-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1D + Details Name: us-gaap_DebtInstrumentUnamortizedDiscount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount, after accumulated amortization, of debt issuance costs. Includes, but is not limited to, legal, accounting, underwriting, printing, and registration costs. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-1AReference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482900/835-30-50-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1D + Details Name: us-gaap_DeferredFinanceCostsNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionThe cash inflow during the period from additional borrowings in aggregate debt. Includes proceeds from short-term and long-term debt. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 14 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14 + Details Name: us-gaap_ProceedsFromIssuanceOfDebt Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash inflow from contractual arrangement with the lender, including but not limited to, letter of credit, standby letter of credit and revolving credit arrangements. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(f)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 14 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14 + Details Name: us-gaap_ProceedsFromLinesOfCredit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionPeriod between issuance and expiration of outstanding warrant and right embodying unconditional obligation requiring redemption by transferring asset at specified or determinable date or upon event certain to occur, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2 + Details Name: us-gaap_WarrantsAndRightsOutstandingTerm Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: instant X - Details Name: us-gaap_StatementEquityComponentsAxis=us-gaap_CommonStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: dei_LegalEntityAxis=ades_CFGlobalCreditLPMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_CreditFacilityAxis=us-gaap_SecuredDebtMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_DebtInstrumentAxis=ades_PromissoryNotesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_LongtermDebtTypeAxis=us-gaap_SecuredDebtMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_BusinessAcquisitionAxis=ades_ArqLimitedMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_DebtInstrumentAxis=ades_PromissoryNoteAMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_DebtInstrumentAxis=ades_PromissoryNoteBMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: ades_TriggeringEventAxis=ades_Between1And36MothsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: ades_TriggeringEventAxis=ades_Between37MonthsAndMaturityDateMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: ades_TriggeringEventAxis=ades_AdjustedTermSOFRForAnInterestPeriodOfOneMonthInEffectOnTheThirdUSGovernmentSecuritiesBusinessDayMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: ades_TriggeringEventAxis=ades_FiscalYear2024Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: ades_TriggeringEventAxis=ades_FiscalYear2025AndThereafterMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: ades_TriggeringEventAxis=ades_ThroughJanuary2026Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: ades_TriggeringEventAxis=ades_PenaltyYear2024Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: ades_TriggeringEventAxis=ades_PenaltyYear2025Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: ades_TriggeringEventAxis=ades_PenaltyYear2026Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: ades_TriggeringEventAxis=ades_BeginningMarch312023Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_VariableRateAxis=us-gaap_SecuredOvernightFinancingRateSofrMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_VariableRateAxis=us-gaap_BaseRateMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_VariableRateAxis=us-gaap_PrimeRateMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: ades_TriggeringEventAxis=ades_AfterJanuary2026Member Namespace Prefix: Data Type: na Balance Type: Period Type: XML 53 R42.htm IDEA: XBRL DOCUMENT v3.24.3 Leases - Schedule of Operating and Finance Lease Right-Of-Use ("ROU") Assets and Liabilities (Details) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Operating Leases Â Â Operating lease right-of-use assets, net of accumulated amortization $ 9,331 $ 10,592 Operating lease obligations, current 1,991 1,944 Long-term operating lease obligations 7,569 8,870 Total

operating lease obligation 9,560 10,814 Finance Leases Â Â Finance lease right-of-use assets, net of accumulated amortization 975 1,694 Finance lease obligations, current 1,699 2,131 Long-term finance lease obligations 493 1,334 Total finance lease obligations 2,192 3,465 Operating lease, accumulated amortization 4,000 5,100 Finance lease, accumulated amortization $ 3,000 $ 2,700 X - DefinitionOperating Lease, Right-of-Use Asset, Accumulated Amortization + ReferencesNo definition available. + Details Name: ades_OperatingLeaseRightOfUseAssetAccumulatedAmortization Namespace Prefix: ades_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from finance lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_FinanceLeaseLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_FinanceLeaseLiabilityAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionPresent value of lessee's discounted obligation for lease payments from finance lease, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_FinanceLeaseLiabilityCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from finance lease, classified as noncurrent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_FinanceLeaseLiabilityNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after accumulated amortization, of right-of-use asset from finance lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_FinanceLeaseRightOfUseAsset Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of accumulated amortization of right-of-use asset from finance lease. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Subparagraph (a) -SubTopic 20 -Topic 842 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-4Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section 50 -Paragraph 4 -SubParagraph (a) -SubTopic 20 -Topic 842 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_FinanceLeaseRightOfUseAssetAccumulatedAmortization Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_LeasesOperatingAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiabilityCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease, classified as noncurrent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiabilityNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's right to use underlying asset under operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseRightOfUseAsset Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 54 R43.htm IDEA: XBRL DOCUMENT v3.24.3 Leases - Narrative (Details) - USD ($) $ in Millions 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Dec. 31, 2023 Lessee, Lease, Description [Line Items] Â Â Â Â Â Operating lease, right-of-use asset, statement of financial position [Extensible Enumeration] Other long-term assets, net Â Other long-term assets, net Â Other long-term assets, net Operating lease, liability, current, statement of financial position [Extensible List] Other current liabilities Â Other current liabilities Â Other current liabilities Operating lease, liability, noncurrent, statement of financial position [Extensible List] Other long-term liabilities Â Other long-term liabilities Â Other long-term liabilities Operating lease, expense $ 1.3 $ 1.6 $ 4.0 $ 4.3 Â General and Administrative Expense Â Â Â Â Â Lessee, Lease, Description [Line Items] Â Â Â Â Â Operating lease, expense 0.4 Â 1.1 Â Â Selling, General and Administrative Expenses Â Â Â Â Â Lessee, Lease, Description [Line Items] Â Â Â Â Â Operating lease, expense Â 0.4 Â 0.9 Â Revenue Â Â Â Â Â Lessee, Lease, Description [Line Items] Â Â Â Â Â Operating lease, expense $ 0.9 $ 1.2 $ 2.9 $ 3.4 Â X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7A -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-7AReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-3 + Details Name: us-gaap_LesseeLeaseDescriptionLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of operating lease expense. Excludes sublease income. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-4 + Details Name: us-gaap_OperatingLeaseExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionIndicates line item in statement of financial position that includes current operating lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-2 + Details Name: us-gaap_OperatingLeaseLiabilityCurrentStatementOfFinancialPositionExtensibleList Namespace Prefix: us-gaap_ Data Type: enum2:enumerationSetItemType Balance Type: na Period Type: instant X - DefinitionIndicates line item in statement of financial position that includes noncurrent operating lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-2 + Details Name: us-gaap_OperatingLeaseLiabilityNoncurrentStatementOfFinancialPositionExtensibleList Namespace Prefix: us-gaap_ Data Type: enum2:enumerationSetItemType Balance Type: na Period Type: instant X - DefinitionIndicates line item in statement of financial position that includes operating lease right-of-use asset. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-2 + Details Name: us-gaap_OperatingLeaseRightOfUseAssetStatementOfFinancialPositionExtensibleList Namespace Prefix: us-gaap_ Data Type: enum2:enumerationSetItemType Balance Type: na Period Type: instant X - Details Name: us-gaap_IncomeStatementLocationAxis=us-gaap_GeneralAndAdministrativeExpenseMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_IncomeStatementLocationAxis=us-gaap_SellingGeneralAndAdministrativeExpensesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=ades_ConsumablesMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 55 R44.htm IDEA: XBRL DOCUMENT v3.24.3 Leases - Schedule of Lease Liabilities (Details) - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Finance lease cost: Â Â Â Â Amortization of right-of-use assets $ 46 $ 215 $ 466 $ 661 Interest on lease liabilities 50 59 149 190 Operating lease cost 773 1,000 2,448 3,017 Short-term lease cost 437 481 1,220 1,132 Variable lease cost 104 81 313 145 Total lease cost $ 1,410 $ 1,836 4,596 5,145 Operating cash flows for finance leases Â Â 149 190 Operating cash flows for operating leases Â Â 1,512 2,087 Financing cash flows for finance leases Â Â 838 855 Right-of-use assets obtained in exchange for new finance lease liabilities Â Â 0 0 Right-of-use assets obtained in exchange for new operating lease liabilities Â Â $ 257 $ 1,947 Weighted-average remaining lease term - finance leases 1 year 2 months 12 days 2 years 1 month 6 days 1 year 2 months 12 days 2 years 1 month 6 days Weighted-average remaining lease term - operating leases 7 years 4 months 24 days 7 years 9 months 18 days 7 years 4 months 24 days 7 years 9 months 18 days Weighted-average discount rate - finance leases 6.40% 5.90% 6.40% 5.90% Weighted-average discount rate - operating leases 12.40% 12.70% 12.40% 12.70% X - DefinitionAmount of interest expense on finance lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-4Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_FinanceLeaseInterestExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of interest paid on finance lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 5 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-5 + Details Name: us-gaap_FinanceLeaseInterestPaymentOnLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash outflow for principal payment on finance lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 5 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-5 + Details Name: us-gaap_FinanceLeasePrincipalPayments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of amortization expense attributable to right-of-use asset from finance lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-4Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_FinanceLeaseRightOfUseAssetAmortization Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionWeighted average discount rate for finance lease calculated at point in time. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_FinanceLeaseWeightedAverageDiscountRatePercent Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - DefinitionWeighted average remaining lease term for finance lease, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_FinanceLeaseWeightedAverageRemainingLeaseTerm1 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: instant X - DefinitionAmount of lease cost recognized by lessee for lease contract. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_LeaseCost Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_LeaseCostAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of single lease cost, calculated by allocation of remaining cost of lease over remaining lease term. Includes, but is not limited to, single lease cost, after impairment of right-of-use asset, calculated by amortization of remaining right-of-use asset and accretion of lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_OperatingLeaseCost Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash outflow from operating lease, excluding payments to bring another asset to condition and location necessary for its intended use. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 5 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-5Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_OperatingLeasePayments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionWeighted average discount rate for operating lease calculated at point in time. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_OperatingLeaseWeightedAverageDiscountRatePercent Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - DefinitionWeighted average remaining lease term for operating lease, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_OperatingLeaseWeightedAverageRemainingLeaseTerm1 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: instant X - DefinitionAmount of increase in right-of-use asset obtained in exchange for finance lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic

842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_RightOfUseAssetObtainedInExchangeForFinanceLeaseLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of increase in right-of-use asset obtained in exchange for operating lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_RightOfUseAssetObtainedInExchangeForOperatingLeaseLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of short-term lease cost, excluding expense for lease with term of one month or less. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_ShortTermLeaseCost Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of variable lease cost, excluded from lease liability, recognized when obligation for payment is incurred for finance and operating leases. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_VariableLeaseCost Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration XML 56 R45.htm IDEA: XBRL DOCUMENT v3.24.3 Commitments and Contingencies (Details) - USD ($) $ in Millions 1 Months Ended 3 Months Ended 9 Months Ended Jan. 31, 2024 Mar. 31, 2024 Sep. 30, 2024 Dec. 31, 2023 Other Commitments [Line Items] Â Â Â Â Restricted cash, long-term Â Â $ 8.5 $ 8.5 Supply agreement performance bond Â Â 3.7 Â Contract with customer, liability Â Â 1.3 Â Tinuum Group, LLC Â Â Â Â Other Commitments [Line Items] Â Â Â Â Liabilities assumed Â $ 1.7 $ 1.7 Â Tinuum Group, LLC Â Â Â Â Other Commitments [Line Items] Â Â Â Â Limited guarantees (as percent) Â Â 50.00% Â Minimum | Deliveries in First Quarter 2025 Â Â Â Â Other Commitments [Line Items] Â Â Â Â Construction contract estimated costs $ 75.0 Â Â Â Maximum | Deliveries in First Quarter 2025 Â Â Â Â Other Commitments [Line Items] Â Â Â Â Construction contract estimated costs $ 80.0 Â Â Â Five Forks Mine Â Â Â Â Other Commitments [Line Items] Â Â Â Â Surety bond amount Â Â $ 7.5 Â Corbin Facilities Â Â Â Â Other Commitments [Line Items] Â Â Â Â Surety bond amount Â Â 3.0 Â West Virginia ("Mine 4") Â Â Â Â Other Commitments [Line Items] Â Â Â Â Surety bond amount Â Â 0.7 Â Restricted cash, long-term Â Â $ 0.4 Â X - DefinitionConstruction Contract, Estimated Costs + ReferencesNo definition available. + Details Name: ades_ConstructionContractEstimatedCosts Namespace Prefix: ades_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionLimited Guarantees. Percent + ReferencesNo definition available. + Details Name: ades_LimitedGuarantees.Percent Namespace Prefix: ades_ Data Type: dtr-types1:percentItemType Balance Type: na Period Type: instant X - DefinitionSupply Agreement Performance Bond + ReferencesNo definition available. + Details Name: ades_SupplyAgreementPerformanceBond Namespace Prefix: ades_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionSurety Agreement, Bond Amount + ReferencesNo definition available. + Details Name: ades_SuretyAgreementBondAmount Namespace Prefix: ades_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of obligation to transfer good or service to customer for which consideration has been received or is receivable. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-8Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-2 + Details Name: us-gaap_ContractWithCustomerLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionThe fair value of liabilities assumed in noncash investing or financing activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-4Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-3Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-5 + Details Name: us-gaap_LiabilitiesAssumed1 Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_OtherCommitmentsLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of cash restricted as to withdrawal or usage, classified as noncurrent. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 5 -SubTopic 210 -Topic 954 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477220/954-210-45-5Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8 + Details Name: us-gaap_RestrictedCashNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: srt_ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis=ades_TinuumGroupLLCMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_RelatedPartyTransactionAxis=ades_TinuumGroupLLCMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_RangeAxis=srt_MinimumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: ades_TriggeringEventAxis=ades_DeliveriesInFirstQuarter2025Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_RangeAxis=srt_MaximumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_CounterpartyNameAxis=ades_FiveForksMineMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_CounterpartyNameAxis=ades_CorbinFacilitiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_CounterpartyNameAxis=ades_WestVirginiaMine4Member Namespace Prefix: Data Type: na Balance Type: Period Type: XML 57 R46.htm IDEA: XBRL DOCUMENT v3.24.3 Supplemental Financial Information - Schedule of Other Long Term Assets (Details) - USD ($) $ in Thousands 9 Months Ended Sep. 30, 2024 Dec. 31, 2023 Prepaid expenses and other current assets: Â Â Prepaid expenses $ 1,317 $ 2,430 Prepaid income taxes and income tax refunds 192 349 Other 2,021 2,436 Prepaid expenses and other current assets 3,530 5,215 Other long-term assets, net: Â Â Spare parts, net 10,753 9,147 Right of use assets, operating leases, net 9,331 10,592 Intangible assets, net 7,644 7,899 Mine development costs, net 7,125 7,377 Upfront Customer Consideration 5,586 5,967 Mine reclamation asset, net 1,856 1,955 Other 2,546 2,663 Total other long-term assets, net $ 44,841 $ 45,600 Term of contract 15 years Â X - DefinitionContract with Customer, Term of Contract + ReferencesNo definition available. + Details Name: ades_ContractWithCustomerTermOfContract Namespace Prefix: ades_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionMine Development Cost + ReferencesNo definition available. + Details Name: ades_MineDevelopmentCost Namespace Prefix: ades_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionMine Reclamation Asset + ReferencesNo definition available. + Details Name: ades_MineReclamationAsset Namespace Prefix: ades_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionOther Assets, Current, Other + ReferencesNo definition available. + Details Name: ades_OtherAssetsCurrentOther Namespace Prefix: ades_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionOther Assets, Noncurrent, Other + ReferencesNo definition available. + Details Name: ades_OtherAssetsNoncurrentOther Namespace Prefix: ades_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionUpfront Payments from Contract with Customer + ReferencesNo definition available. + Details Name: ades_UpfrontPaymentsFromContractWithCustomer Namespace Prefix: ades_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionSum of the carrying amounts of all intangible assets, excluding goodwill, as of the balance sheet date, net of accumulated amortization and impairment charges. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482686/350-30-45-1 + Details Name: us-gaap_IntangibleAssetsNetExcludingGoodwill Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of lessee's right to use underlying asset under operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseRightOfUseAsset Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of noncurrent assets classified as other. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_OtherAssetsNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_OtherAssetsNoncurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionGross amount of components of assembled products that can be sold directly or indirectly through sales of assembled products. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_OtherInventoriesSpareParts Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of asset related to consideration paid in advance for costs that provide economic benefits in future periods, and amount of other assets that are expected to be realized or consumed within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_PrepaidExpenseAndOtherAssetsCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_PrepaidExpenseAndOtherAssetsCurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of asset related to consideration paid in advance for costs that provide economic benefits within a future period of one year or the normal operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 340 -SubTopic 10 -Name Accounting Standards Codification -Section 05 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482955/340-10-05-5Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 340 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483032/340-10-45-1 + Details Name: us-gaap_PrepaidExpenseCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of asset related to consideration paid in advance for income and other taxes that provide economic benefits within a future period of one year or the normal operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (g)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 340 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483032/340-10-45-1Reference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 340 -SubTopic 10 -Name Accounting Standards Codification -Section 05 -Paragraph 5 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482955/340-10-05-5 + Details Name: us-gaap_PrepaidTaxes Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 58 R47.htm IDEA: XBRL DOCUMENT v3.24.3 Supplemental Financial Information - Narrative (Details) - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Dec. 31, 2023 Related Party Transaction [Line Items] Â Â Â Â Â Earnings from equity method investments $ 127 $ 412 $ 127 $ 1,512 Â Highview Enterprises Limited Â Â Â Â Â Related Party Transaction [Line Items] Â Â Â Â Â Equity method investments $ 600 Â $ 600 Â $ 600 Tinuum Group, LLC Â Â Â Â Â Related Party Transaction [Line Items] Â Â Â Â Â Ownership interest, percent (as percent) 42.50% Â 42.50% Â 42.50% Earnings from equity method investments $ 100 200 $ 100 1,100 Â Tinuum Group, LLC | Cost of Revenue Â Â Â Â Â Related Party Transaction [Line Items] Â Â Â Â Â Earnings from equity method investments $ (200) $ (200) $ (700) $ (600) Â X - DefinitionThe percentage of ownership of common stock or equity participation in the investee accounted for under the equity method of accounting. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3 + Details Name: us-gaap_EquityMethodInvestmentOwnershipPercentage Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - DefinitionThis item represents the carrying amount on the entity's balance sheet of its investment in common stock of an equity method investee. This is not an indicator of the fair value of the investment, rather it is the initial cost adjusted for the entity's share of earnings and losses of the investee, adjusted for any distributions (dividends) and other than temporary impairment (OTTI) losses recognized. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481664/323-10-45-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(10)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 25 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-25 + Details Name: us-gaap_EquityMethodInvestments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of income (loss) for proportionate share of equity method investee's income (loss). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards

Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(10)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481664/323-10-45-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(12)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(13)(f)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_IncomeLossFromEquityMethodInvestments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481990/310-10-45-13Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(c)(2)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(c)(2)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(g)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1 + Details Name: us-gaap_RelatedPartyTransactionLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: srt_ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis=ades_HighviewEnterprisesLimitedMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis=ades_TinuumGroupLLCMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_IncomeStatementLocationAxis=us-gaap_CostOfSalesMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 59 R48.htm IDEA: XBRL DOCUMENT v3.24.3 Supplemental Financial Information - Schedule of Other Liabilities (Details) - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Mar. 31, 2024 Sep. 30, 2024 Dec. 31, 2023 Other current liabilities: Â Â Â Operating lease, liability, current, statement of financial position [Extensible List] Â Total other current liabilities Total other current liabilities Current portion of operating lease obligations Â $ 1,991 $ 1,944 Sales, use and other taxes payable Â 1,719 948 Current portion of asset retirement obligations Â 1,259 182 Other Â 2,702 2,718 Total other current liabilities Â $ 7,671 $ 5,792 Other long-term liabilities: Â Â Â Operating lease, liability, noncurrent, statement of financial position [Extensible List] Â Total other long-term liabilities Total other long-term liabilities Operating lease obligations, long-term Â $ 7,569 $ 8,870 Asset retirement obligations Â 5,335 5,981 Other Â 1,125 929 Total other long-term liabilities Â 14,029 $ 15,780 Tinuum Group, LLC Â Â Â Other long-term liabilities: Â Â Â Liabilities assumed $ 1,700 $ 1,700 Â X - DefinitionOther Liabilities, Current, Other + ReferencesNo definition available. + Details Name: ades_OtherLiabilitiesCurrentOther Namespace Prefix: ades_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionOther Long-term Liabilities + ReferencesNo definition available. + Details Name: ades_OtherLongTermLiabilities Namespace Prefix: ades_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionCurrent portion of the carrying amount of a liability for an asset retirement obligation. An asset retirement obligation is a legal obligation associated with the disposal or retirement of a tangible long-lived asset that results from the acquisition, construction or development, or the normal operations of a long-lived asset, except for certain obligations of lessees. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 410 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481850/410-20-50-1 + Details Name: us-gaap_AssetRetirementObligationCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionNoncurrent portion of the carrying amount of a liability for an asset retirement obligation. An asset retirement obligation is a legal obligation associated with the disposal or retirement of a tangible long-lived asset that results from the acquisition, construction or development, or the normal operations of a long-lived asset, except for certain obligations of lessees. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 410 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481850/410-20-50-1 + Details Name: us-gaap_AssetRetirementObligationsNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionThe fair value of liabilities assumed in noncash investing or financing activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-4Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-3Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-5 + Details Name: us-gaap_LiabilitiesAssumed1 Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiabilityCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionIndicates line item in statement of financial position that includes current operating lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-2 + Details Name: us-gaap_OperatingLeaseLiabilityCurrentStatementOfFinancialPositionExtensibleList Namespace Prefix: us-gaap_ Data Type: enum2:enumerationSetItemType Balance Type: na Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease, classified as noncurrent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiabilityNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionIndicates line item in statement of financial position that includes noncurrent operating lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-2 + Details Name: us-gaap_OperatingLeaseLiabilityNoncurrentStatementOfFinancialPositionExtensibleList Namespace Prefix: us-gaap_ Data Type: enum2:enumerationSetItemType Balance Type: na Period Type: instant X - DefinitionAmount of liabilities classified as other, due within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10 + Details Name: us-gaap_OtherLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_OtherLiabilitiesCurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of liabilities classified as other, due after one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_OtherLiabilitiesNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_OtherLiabilitiesNoncurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionCarrying value as of the balance sheet date of obligations incurred and payable for statutory income, sales, use, payroll, excise, real, property and other taxes. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_TaxesPayableCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Details Name: srt_ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis=ades_TinuumGroupLLCMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 60 R49.htm IDEA: XBRL DOCUMENT v3.24.3 Supplemental Financial Information - Schedule of Change in Asset Retirement Obligation (Details) - USD ($) $ in Thousands 3 Months Ended 9 Months Ended 12 Months Ended Mar. 31, 2024 Sep. 30, 2024 Dec. 31, 2023 Asset Retirement Obligation, Roll Forward Analysis [Roll Forward] Â Â Â Asset retirement obligations, beginning of period $ 6,163 $ 6,163 $ 8,533 Asset retirement obligations assumed Â 0 1,500 Accretion Â 496 582 Liabilities settled Â (65) (4,866) Changes due to scope and timing of reclamation Â 0 414 Asset retirement obligations, end of period Â 6,594 6,163 Less current portion Â 1,259 182 Asset retirement obligations, long-term Â 5,335 5,981 Business Acquisition [Line Items] Â Â Â Asset retirement obligations assumed Â 0 1,500 Liabilities settled Â $ 65 $ 4,866 Marshall Mine | Disposed of by Sale Â Â Â Asset Retirement Obligation, Roll Forward Analysis [Roll Forward] Â Â Â Liabilities settled (4,700) Â Â Business Acquisition [Line Items] Â Â Â Liabilities settled 4,700 Â Â Corbin ARO Â Â Â Asset Retirement Obligation, Roll Forward Analysis [Roll Forward] Â Â Â Asset retirement obligations assumed 500 Â Â Business Acquisition [Line Items] Â Â Â Asset retirement obligations assumed 500 Â Â Mine 4 ARO Â Â Â Asset Retirement Obligation, Roll Forward Analysis [Roll Forward] Â Â Â Asset retirement obligations assumed 1,000 Â Â Business Acquisition [Line Items] Â Â Â Asset retirement obligations assumed $ 1,000 Â Â X - DefinitionThe carrying amount of a liability for an asset retirement obligation. An asset retirement obligation is a legal obligation associated with the disposal or retirement of a tangible long-lived asset that results from the acquisition, construction or development, or the normal operations of a long-lived asset, except for certain obligations of lessees. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 410 -SubTopic 20 -Name Accounting Standards Codification -Section 25 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481999/410-20-25-4Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 410 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481850/410-20-50-1 + Details Name: us-gaap_AssetRetirementObligation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of accretion expense recognized during the period that is associated with an asset retirement obligation. Accretion expense measures and incorporates changes due to the passage of time into the carrying amount of the liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 410 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481879/410-20-45-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 410 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481850/410-20-50-1 + Details Name: us-gaap_AssetRetirementObligationAccretionExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionCurrent portion of the carrying amount of a liability for an asset retirement obligation. An asset retirement obligation is a legal obligation associated with the disposal or retirement of a tangible long-lived asset that results from the acquisition, construction or development, or the normal operations of a long-lived asset, except for certain obligations of lessees. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 410 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481850/410-20-50-1 + Details Name: us-gaap_AssetRetirementObligationCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of asset retirement obligations incurred during the period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 410 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481850/410-20-50-1 + Details Name: us-gaap_AssetRetirementObligationLiabilitiesIncurred Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of asset retirement obligations settled, or otherwise disposed of, during the period. This may include asset retirement obligations transferred to third parties associated with the sale of a long-lived asset. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 410 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481850/410-20-50-1 + Details Name: us-gaap_AssetRetirementObligationLiabilitiesSettled Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of increase (decrease) in asset retirement obligations. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 410 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481850/410-20-50-1 + Details Name: us-gaap_AssetRetirementObligationPeriodIncreaseDecrease Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: na Period Type: duration X - DefinitionA roll forward is a reconciliation of a concept from the beginning of a period to the end of a period. + ReferencesNo definition available. + Details Name: us-gaap_AssetRetirementObligationRollForwardAnalysisRollForward Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionNoncurrent portion of the carrying amount of a liability for an asset retirement obligation. An asset retirement obligation is a legal obligation associated with the disposal or retirement of a tangible long-lived asset that results from the acquisition, construction or development, or the normal operations of a long-lived asset, except for certain obligations of lessees. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 410 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481850/410-20-50-1 + Details Name: us-gaap_AssetRetirementObligationsNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479907/805-20-50-5 + Details Name: us-gaap_BusinessAcquisitionLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_IncomeStatementBalanceSheetAndAdditionalDisclosuresByDisposalGroupsIncludingDiscontinuedOperationsAxis=ades_MarshallMineMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_DisposalGroupClassificationAxis=us-gaap_DisposalGroupDisposedOfBySaleNotDiscontinuedOperationsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_BusinessAcquisitionAxis=ades_CorbinAROMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_BusinessAcquisitionAxis=ades_Mine4Member Namespace Prefix: Data Type: na Balance Type: Period Type: XML 61 R50.htm IDEA: XBRL DOCUMENT v3.24.3 Stockholders' Equity (Details) $ / shares in Units, $ in Thousands 1 Months Ended 3 Months Ended 9 Months Ended Feb. 01, 2023 USD ($) $ / shares Sep. 30, 2024 USD ($) shares May 31, 2024 USD ($) $ / shares shares Apr. 30, 2024 USD ($) shares Sep. 30, 2024 USD ($) shares Sep. 30, 2023 shares Sep. 30, 2024 USD ($) shares Sep. 30, 2023 shares Sep. 30, 2024 $ / shares Dec. 31, 2023 shares May 05, 2017 Class of Stock [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Issuance of common stock pursuant to Arq Acquisition, net of offering costs | $ Â Â Â Â Â $ 26,659 Â Â Â Â Â Â Â Number of

shares agreed to purchase (in shares) Â 5,485,500 Â Â Â Â Â Â Â Â Â Â Common stock, shares issued (in shares) Â 46,652,061 Â Â 46,652,061 Â 46,652,061 Â Â 37,791,084 Â Deducting offering expenses | $ Â $ 26,700 Â Â Â Â Â Â Â Â Â Â Stock repurchased (in shares) Â Â Â Â 0 0 0 0 Â Â Â Price per share (in dollars per share) | (per share) $ 4.00 Â Â Â Â Â Â Â $ 5.25 Â Â Over-Allotment Option Â Â Â Â Â Â Â Â Â Â Â Class of Stock [Line Items] Â Â Â Â Â Â Â Â Â Â Number of shares agreed to purchase (in shares) Â 715,500 Â Â Â Â Â Â Â Â Â Original Amount Â Â Â Â Â Â Â Â Â Â Â Class of Stock [Line Items] Â Â Â Â Â Â Â Â Â Â Number of shares agreed to purchase (in shares) Â 4,770,000 Â Â Â Â Â Â Â Â Â Additional Option Â Â Â Â Â Â Â Â Â Â Â Class of Stock [Line Items] Â Â Â Â Â Â Â Â Â Â Number of shares agreed to purchase (in shares) Â 715,500 Â Â Â Â Â Â Â Â Â Purchase period Â 30 days Â Â Â Â Â Â Â Â Â Maximum Â Â Â Â Â Â Â Â Â Â Class of Stock [Line Items] Â Â Â Â Â Â Â Â Â Â Requirement to own shares outstanding (as percent) Â Â Â Â Â Â Â Â Â Â 4.99% Common Stock Â Â Â Â Â Â Â Â Â Â Class of Stock [Line Items] Â Â Â Â Â Â Â Â Â Â Issuance of common stock pursuant to Arq Acquisition, net of offering costs | $ Â Â Â Â $ 5 Â Â Â Â Â Â Â Issuance of common stock pursuant to Arq Acquisition, net of offering costs (in shares) Â Â Â Â 5,485,500 Â Â Â Â Â Â Â Deducting offering expenses | $ $ 15,400 Â Â Â Â Â Â Â Â Â Â Remaining authorized amount | $ Â $ 7,000 Â Â $ 7,000 Â $ 7,000 Â Â Â Â Securities Purchase Agreement Â Â Â Â Â Â Â Â Â Â Â Class of Stock [Line Items] Â Â Â Â Â Â Â Â Â Â Â Number of shares agreed to purchase (in shares) Â Â 2,142,858 Â Â Â Â Â Â Â Â Â Share price (amount per shares) | $ / shares Â Â $ 7.00 Â Â Â Â Â Â Â Â Â Net proceeds from common stock issued | $ Â Â $ 15,000 Â Â Â Â Â Â Â Â Â Common Stock Â Â Â Â Â Â Â Â Â Â Class of Stock [Line Items] Â Â Â Â Â Â Â Â Â Â Issuance of common stock pursuant to Arq Acquisition, net of offering costs | $ Â Â Â $ 800 Â Â Â Â Â Â Â Issuance of common stock pursuant to Arq Acquisition, net of offering costs (in shares) Â Â Â 422,221 Â Â Â Â Â Â Â X - DefinitionRequirement To Own Shares Outstanding As Percent + ReferencesNo definition available. + Details Name: ades_RequirementToOwnSharesOutstandingAsPercent Namespace Prefix: ades_ Data Type: dtr-types1:percentItemType Balance Type: na Period Type: instant X - DefinitionSale Of Stock, Term Of Purchase Period + ReferencesNo definition available. + Details Name: ades_SaleOfStockTermOfPurchasePeriod Namespace Prefix: ades_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 2: http://www.xbrl.org/2003/role/recommendedDisclosureRef -Topic 272 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483014/272-10-45-3Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 272 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482987/272-10-50-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-14Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-18Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(27)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-03(i)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479886/946-10-S99-3Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-03(i)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479886/946-10-S99-3Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-03(i)(2)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479886/946-10-S99-3Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-03(i)(2)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479886/946-10-S99-3 + Details Name: us-gaap_ClassOfStockLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTotal number of common shares of an entity that have been sold or granted to shareholders (includes common shares that were issued, repurchased and remain in the treasury). These shares represent capital invested by the firm's shareholders and owners, and may be all or only a portion of the number of shares authorized. Shares issued include shares outstanding and shares held in the treasury. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_CommonStockSharesIssued Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionThe cash inflow from the additional capital contribution to the entity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 14 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14 + Details Name: us-gaap_ProceedsFromIssuanceOfCommonStock Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionCash received on stock transaction after deduction of issuance costs. + ReferencesNo definition available. + Details Name: us-gaap_SaleOfStockConsiderationReceivedOnTransaction Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe number of shares issued or sold by the subsidiary or equity method investee per stock transaction. + ReferencesNo definition available. + Details Name: us-gaap_SaleOfStockNumberOfSharesIssuedInTransaction Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionPer share amount received by subsidiary or equity investee for each share of common stock issued or sold in the stock transaction. + ReferencesNo definition available. + Details Name: us-gaap_SaleOfStockPricePerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionPrice of a single share of a number of saleable stocks of a company. + ReferencesNo definition available. + Details Name: us-gaap_SharePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionNumber of new stock issued during the period. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 505 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478448/946-505-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-03(i)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479886/946-10-S99-3Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodSharesNewIssues Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionEquity impact of the value of new stock issued during the period. Includes shares issued in an initial public offering or a secondary public offering. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-11Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 205 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478009/946-205-45-4Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 505 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478448/946-505-50-2Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodValueNewIssues Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount remaining authorized for purchase of share under share repurchase plan. Includes, but is not limited to, repurchase of stock and unit of ownership. + ReferencesNo definition available. + Details Name: us-gaap_StockRepurchaseProgramRemainingAuthorizedRepurchaseAmount1 Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionNumber of shares that have been repurchased during the period and have not been retired and are not held in treasury. Some state laws may govern the circumstances under which an entity may acquire its own stock and prescribe the accounting treatment therefore. This element is used when state law does not recognize treasury stock. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 505 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478448/946-505-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-03(i)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479886/946-10-S99-3Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockRepurchasedDuringPeriodShares Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_SubsidiarySaleOfStockAxis=us-gaap_OverAllotmentOptionMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: ades_TriggeringEventAxis=ades_OriginalAmountMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: ades_TriggeringEventAxis=ades_AdditionalOptionMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_RangeAxis=srt_MaximumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementEquityComponentsAxis=us-gaap_CommonStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_TypeOfArrangementAxis=ades_SecuritiesPurchaseAgreementMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_CreditFacilityAxis=us-gaap_CommonStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 62 R51.htm IDEA: XBRL DOCUMENT v3.24.3 Stock-Based Compensation - Schedule of Allocation of Compensation Expense (Details) - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Total stock-based compensation expense $ 750 $ 702 $ 2,185 $ 1,810 RSA expense Â Â Â Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Total stock-based compensation expense 483 501 1,268 1,405 PSU expense Â Â Â Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Total stock-based compensation expense 206 151 735 355 Stock option expense Â Â Â Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Total stock-based compensation expense $ 61 $ 50 $ 182 $ 50 X - DefinitionAmount of expense for award under share-based payment arrangement. Excludes amount capitalized. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 14.F) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479830/718-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (h)(1)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_AllocatedShareBasedCompensationExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 35 -Paragraph 1D -Publisher FASB -URI https://asc.fasb.org/1943274/2147480483/718-10-35-1DReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 35 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480483/718-10-35-3Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(ii) -Publisher FASB -URI

https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(iv) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(v) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_AwardTypeAxis=us-gaap_RestrictedStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AwardTypeAxis=us-gaap_PerformanceSharesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AwardTypeAxis=us-gaap_EmployeeStockOptionMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 63 R52.htm IDEA: XBRL DOCUMENT v3.24.3 Stock-Based Compensation - Schedule of Unrecognized Compensation Cost (Details) $ in Thousands 9 Months Ended Sep. 30, 2024 USD ($) Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Unrecognized Compensation Cost $ 5,249 Expected Weighted- Average Period of Recognition (in years) 1 year 7 months 13 days RSA expense Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Unrecognized Compensation Cost $ 3,414 Expected Weighted- Average Period of Recognition (in years) 1 year 9 months 25 days PSU expense Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Unrecognized Compensation Cost $ 1,400 Expected Weighted- Average Period of Recognition (in years) 1 year 1 month 2 days Stock option expense Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Unrecognized Compensation Cost $ 435 Expected Weighted- Average Period of Recognition (in years) 1 year 9 months 14 days X - DefinitionWeighted-average period over which cost not yet recognized is expected to be recognized for award under share-based payment arrangement, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedPeriodForRecognition1 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionAmount of cost to be recognized for nonvested award under share-based payment arrangement. Excludes share and unit options. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedShareBasedAwardsOtherThanOptions Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 35 -Paragraph 1D -Publisher FASB -URI https://asc.fasb.org/1943274/2147480483/718-10-35-1DReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 35 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480483/718-10-35-3Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(iv) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(v) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_AwardTypeAxis=us-gaap_RestrictedStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AwardTypeAxis=us-gaap_PerformanceSharesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AwardTypeAxis=us-gaap_EmployeeStockOptionMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 64 R53.htm IDEA: XBRL DOCUMENT v3.24.3 Stock-Based Compensation - Narrative (Details) - shares 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Granted stock options (in shares) 0 1,000,000 0 1,000,000 Restricted Stock Â Â Â Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Vesting period (in years) Â Â 3 years Â Performance Share Units Â Â Â Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Vesting period (in years) Â Â 3 years Â Stock Option Â Â Â Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Vesting period (in years) Â Â 3 years Â Options exercisable, weighted average remaining contractual term (in years) Â Â 8 years 9 months 14 days Â Expected dividend rate Â Â 0.00% Â Stock Option | Maximum Â Â Â Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Options exercisable, weighted average remaining contractual term (in years) Â Â 10 years Â X - DefinitionPeriod over which grantee's right to exercise award under share-based payment arrangement is no longer contingent on satisfaction of service or performance condition, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. Includes, but is not limited to, combination of market, performance or service condition. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardAwardVestingPeriod1 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionThe estimated dividend rate (a percentage of the share price) to be paid (expected dividends) to holders of the underlying shares over the option's term. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardFairValueAssumptionsExpectedDividendRate Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 35 -Paragraph 1D -Publisher FASB -URI https://asc.fasb.org/1943274/2147480483/718-10-35-1DReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 35 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480483/718-10-35-3Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -

SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(iv) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(v) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionNet number of share options (or share units) granted during the period. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsGrantsInPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionWeighted average remaining contractual term for vested portions of options outstanding and currently exercisable or convertible, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 10 -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsExercisableWeightedAverageRemainingContractualTerm1 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_AwardTypeAxis=us-gaap_RestrictedStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AwardTypeAxis=us-gaap_PerformanceSharesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AwardTypeAxis=us-gaap_EmployeeStockOptionMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_RangeAxis=srt_MaximumMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 65 R54.htm IDEA: XBRL DOCUMENT v3.24.3 Stock-Based Compensation - Schedule of Restricted Stock Activity (Details) - RSA expense 9 Months Ended Sep. 30, 2024 $ / shares shares Restricted Stock Â Non-vested shares, beginning balance (in shares) | shares 790,005 Granted (in shares) | shares 577,159 Vested (in shares) | shares (541,166) Forfeited (in shares) | shares (55,197) Non-vested shares, ending balance (in shares) | shares 770,801 Weighted-Average GrantÂ Date Fair Value Â Non-vested shares, beginning balance (in dollars per share) | $ / shares $ 3.10 Granted (in dollars per share) | $ / shares 5.79 Vested (in dollars per share) | $ / shares 3.34 Forfeited (in dollars per share) | $ / shares 2.82 Non-vested shares, ending balance (in dollars per share) | $ / shares $ 4.99 X - DefinitionThe number of equity-based payment instruments, excluding stock (or unit) options, that were forfeited during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeitedInPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionWeighted average fair value as of the grant date of equity-based award plans other than stock (unit) option plans that were not exercised or put into effect as a result of the occurrence of a terminating event. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeituresWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe number of grants made during the period on other than stock (or unit) option plans (for example, phantom stock or unit plan, stock or unit appreciation rights plan, performance target plan). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsGrantsInPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionThe weighted average fair value at grant date for nonvested equity-based awards issued during the period on other than stock (or unit) option plans (for example, phantom stock or unit plan, stock or unit appreciation rights plan, performance target plan). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsGrantsInPeriodWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe number of non-vested equity-based payment instruments, excluding stock (or unit) options, that validly exist and are outstanding as of the balance sheet date. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedNumber Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionA roll forward is a reconciliation of a concept from the beginning of a period to the end of a period. + ReferencesNo definition available. + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedRollForward Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionPer share or unit weighted-average fair value of nonvested award under share-based payment arrangement. Excludes share and unit options. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedWeightedAverageGrantDateFairValueRollForward Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe number of equity-based payment instruments, excluding stock (or unit) options, that vested during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionThe weighted average fair value as of grant date pertaining to an equity-based award plan other than a stock (or unit) option plan for which the grantee gained the right during the reporting period, by satisfying service and performance requirements, to receive or retain shares or units, other instruments, or cash in accordance with the terms of the arrangement. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriodWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_AwardTypeAxis=us-gaap_RestrictedStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 66 R55.htm IDEA: XBRL DOCUMENT v3.24.3 Stock-Based Compensation - Schedule of Performance Shares Units (Details) - Performance Share Units $ / shares in Units, $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 USD ($) $ / shares shares Sep. 30, 2024 USD ($) $ / shares shares Units Â Â Non-vested shares, beginning balance (in shares) Â 968,918 Granted (in shares) Â 115,877 Vested / Settled (in shares) Â (150,000) Forfeited / Canceled (in shares) Â (57,750) Non-vested shares, ending balance (in shares) 877,045 877,045 Weighted-Average GrantÂ Date Fair Value Â Â Non-vested shares, beginning balance (in dollars per share) | $ / shares Â $ 2.06 Granted (in dollars per share) | $ / shares Â 10.94 Vested / Settled (in dollars per share) | $ / shares Â 2.28 Forfeited / Canceled (in dollars per share) | $ / shares Â 5.90 Non-vested shares, ending balance (in dollars per share) | $ / shares $ 2.94 $ 2.94 Outstanding, aggregate intrinsic value | $ $ 5,148 $ 5,148 Outstanding, weighted-average remaining contractual term (in years) Â 1 year 1 month 2 days Issued Upon Vesting of PSUs Â Â Units Â Â Vested / Settled (in shares) (150,000) (150,000) X - DefinitionThe number of equity-based payment instruments, excluding stock (or unit) options, that were forfeited during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeitedInPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionWeighted average fair value as of the grant date of equity-based award plans other than stock (unit) option plans that were not exercised or put into effect as a result of the occurrence of a terminating event. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeituresWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe number of grants made during the period on other than stock (or unit) option plans (for example, phantom stock or unit plan, stock or unit appreciation rights plan, performance target plan). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsGrantsInPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionThe weighted average fair value at grant date for nonvested equity-based awards issued during the period on other than stock (or unit) option plans (for example, phantom stock or unit plan, stock or unit appreciation rights plan, performance target plan). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsGrantsInPeriodWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe number of non-vested equity-based payment instruments, excluding stock (or unit) options, that validly exist and are outstanding as of the balance sheet date. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedNumber Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionA roll forward is a reconciliation of a concept from the beginning of a period to the end of a period. + ReferencesNo definition available. + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedRollForward Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionPer share or unit weighted-average fair value of nonvested award under share-based payment arrangement. Excludes share and unit options. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedWeightedAverageGrantDateFairValueRollForward Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionWeighted average remaining contractual term for equity-based awards excluding options, in

'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 718 -SubTopic 10 -Subparagraph (e)(1) -Name Accounting Standards Codification -Paragraph 2 -Section 50 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsOutstandingWeightedAverageRemainingContractualTerms Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionThe number of equity-based payment instruments, excluding stock (or unit) options, that vested during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionThe weighted average fair value as of grant date pertaining to an equity-based award plan other than a stock (or unit) option plan for which the grantee gained the right during the reporting period, by satisfying service and performance requirements, to receive or retain shares or units, other instruments, or cash in accordance with the terms of the arrangement. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriodWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionIntrinsic value of outstanding award under share-based payment arrangement. Excludes share and unit options. + ReferencesNo definition available. + Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardEquityInstrumentsOtherThanOptionsAggregateIntrinsicValueOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_AwardTypeAxis=us-gaap_PerformanceSharesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: ades_TriggeringEventAxis=ades_IssuedUponVestingOfPSUsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 67 R56.htm IDEA: XBRL DOCUMENT v3.24.3 Stock-Based Compensation - Summary of Option Activity (Details) - Stock option expense $ / shares in Units, $ in Thousands 9 Months Ended Sep. 30, 2024 USD ($) $ / shares shares Number of Options OutstandingÂ and Exercisable Â Options outstanding, start of year (in shares) | shares 1,000,000 Options granted (in shares) | shares 0 Options exercised (in shares) | shares 0 Options expired / forfeited (in shares) | shares 0 Options outstanding, end of year (in shares) | shares 1,000,000 Weighted-Average Exercise Price Â Options outstanding, start of year (in dollars per share) | $ / shares $ 3.00 Options granted (in dollars per share) | $ / shares 0 Options exercised (in dollars per share) | $ / shares 0 Options expired / forfeited (in dollars per share) | $ / shares 0 Options outstanding, end of year (in dollars per share) | $ / shares $ 3.00 Options outstanding, intrinsic value | $ $ 2,870 Options outstanding, weighted average remaining contractual term (in years) 8 years 9 months 14 days Options vested (in shares) | shares 333,333 Options exercisable (in shares) | shares 333,333 Options exercisable, weighted average exercise price (in dollars per share) | $ / shares $ 3.00 Options vested, weighted average exercise price (in dollars per share) | $ / shares $ 3.00 Options exercisable, intrinsic value | $ $ 957 Options vested, intrinsic value | $ $ 957 Options vested, weighted average remaining contractual term (in years) 8 years 9 months 14 days Options exercisable, weighted average remaining contractual term (in years) 8 years 9 months 14 days X - DefinitionThe number of shares into which fully or partially vested stock options outstanding as of the balance sheet date can be currently converted under the option plan. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsExercisableNumber Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionThe weighted-average price as of the balance sheet date at which grantees can acquire the shares reserved for issuance on vested portions of options outstanding and currently exercisable under the stock option plan. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsExercisableWeightedAverageExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionNumber of options or other stock instruments for which the right to exercise has lapsed under the terms of the plan agreements. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsExpirationsInPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionGross number of share options (or share units) granted during the period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsGrantsInPeriodGross Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionAmount by which the current fair value of the underlying stock exceeds the exercise price of options outstanding. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 10 -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingIntrinsicValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionNumber of options outstanding, including both vested and non-vested options. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingNumber Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionA roll forward is a reconciliation of a concept from the beginning of a period to the end of a period. + ReferencesNo definition available. + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingRollForward Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionWeighted average price at which grantees can acquire the shares reserved for issuance under the stock option plan. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePriceRollforward Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount by which current fair value of underlying stock exceeds exercise price of fully vested and expected to vest options outstanding. Includes, but is not limited to, unvested options for which requisite service period has not been rendered but that are expected to vest based on achievement of performance condition, if forfeitures are recognized when they occur. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsVestedAndExpectedToVestOutstandingAggregateIntrinsicValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionNumber of fully vested and expected to vest options outstanding that can be converted into shares under option plan. Includes, but is not limited to, unvested options for which requisite service period has not been rendered but that are expected to vest based on achievement of performance condition, if forfeitures are recognized when they occur. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsVestedAndExpectedToVestOutstandingNumber Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionWeighted-average exercise price, at which grantee can acquire shares reserved for issuance, for fully vested and expected to vest options outstanding. Includes, but is not limited to, unvested options for which requisite service period has not been rendered but that are expected to vest based on achievement of performance condition, if forfeitures are recognized when they occur. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsVestedAndExpectedToVestOutstandingWeightedAverageExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionWeighted average price at which option holders acquired shares when converting their stock options into shares. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsExercisesInPeriodWeightedAverageExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionWeighted average price at which grantees could have acquired the underlying shares with respect to stock options of the plan that expired. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsExpirationsInPeriodWeightedAverageExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionWeighted average per share amount at which grantees can acquire shares of common stock by exercise of options. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsGrantsInPeriodWeightedAverageExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionAmount of difference between fair value of the underlying shares reserved for issuance and exercise price of vested portions of options outstanding and currently exercisable. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 10 -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsExercisableIntrinsicValue1 Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionWeighted average remaining contractual term for vested portions of options outstanding and currently exercisable or convertible, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 10 -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementBySharebasedPaymentAwardOptionsExercisableWeightedAverageRemainingContractualTerm1 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionWeighted average remaining contractual term for option awards outstanding, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 718 -SubTopic 10 -Subparagraph (e)(1) -Name Accounting Standards Codification -Paragraph 2 -Section 50 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsOutstandingWeightedAverageRemainingContractualTerm2 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionWeighted average remaining contractual term for fully vested and expected to vest options outstanding, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. Includes, but is not limited to, unvested options for which requisite service period has not been rendered but that are expected to vest based on achievement of performance condition, if forfeitures are recognized when they occur. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementBySharebasedPaymentAwardOptionsVestedAndExpectedToVestOutstandingWeightedAverageRemainingContractualTerm1 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionNumber of share options (or share units) exercised during the current period. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodSharesStockOptionsExercised Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_AwardTypeAxis=us-gaap_EmployeeStockOptionMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 68 R57.htm IDEA: XBRL DOCUMENT v3.24.3 Income Taxes - Schedule of Income Tax Expense and Effective Tax Rates (Details) - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Income Tax Disclosure [Abstract] Â Â Â Â Income tax (expense) benefit $ 0 $ 0 $ (30) $ 33 Effective tax rate 0.00% 0.00% 1.00% 0.00% X - DefinitionPercentage of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231 + Details Name: us-gaap_EffectiveIncomeTaxRateContinuingOperations Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_IncomeTaxDisclosureAbstract Namespace Prefix: us-gaap_ Data

Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 6.I.7) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479360/740-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-10Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Subparagraph (a) -SubTopic 20 -Topic 740 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482659/740-20-45-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(h)) -SubTopic 10 -Topic 235 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1 + Details Name: us-gaap_IncomeTaxExpenseBenefit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration XML 69 R58.htm IDEA: XBRL DOCUMENT v3.24.3 Income Taxes - Narrative (Details) 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Triggering Event [Line Items] Â Â Â Â Effective tax rate 0.00% 0.00% 1.00% 0.00% Before Out Of Period State Income Tax Expense Â Â Â Â Triggering Event [Line Items] Â Â Â Â Effective tax rate 0.00% Â 0.00% Â X - DefinitionTriggering Event + ReferencesNo definition available. + Details Name: ades_TriggeringEventLineItems Namespace Prefix: ades_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionPercentage of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231 + Details Name: us-gaap_EffectiveIncomeTaxRateContinuingOperations Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - Details Name: ades_TriggeringEventAxis=ades_BeforeOutOfPeriodStateIncomeTaxExpenseMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 70 R59.htm IDEA: XBRL DOCUMENT v3.24.3 Marshall Mine (Details) - Marshall Mine - USD ($) $ in Millions 9 Months Ended Sep. 30, 2023 Mar. 27, 2023 Business Acquisition [Line Items] Â Â Consideration Â $ 2.2 Liabilities Â $ 4.9 Gain on sale of Marshall Mine, LLC $ 2.7 Â X - DefinitionLine items represent financial concepts included in the tables. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479907/805-20-50-5 + Details Name: us-gaap_BusinessAcquisitionLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of consideration received or receivable for the disposal of assets and liabilities, including discontinued operation. + ReferencesNo definition available. + Details Name: us-gaap_DisposalGroupIncludingDiscontinuedOperationConsideration Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of gain (loss) on sale or disposal of other assets. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_GainLossOnSaleOfOtherAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount classified as liabilities attributable to disposal group held for sale or disposed of. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10 -SubTopic 20 -Topic 205 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483675/205-20-45-10Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5CReference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5BReference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-3Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-11 + Details Name: us-gaap_LiabilitiesOfDisposalGroupIncludingDiscontinuedOperation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Details Name: us-gaap_BusinessAcquisitionAxis=ades_MarshallMineMember Namespace Prefix: Data Type: na Balance Type: Period Type: EXCEL 71 Financial_Report.xlsx IDEA: XBRL DOCUMENT begin 644 Financial_Report.xlsx M4$L#!!0 (*8U9UD'04UB@0 +$ 0 9&]C4')O<',O87!P+GAM M;$V./0L",1!$ \IQO;=!P4)B0-!2L+(/>QLOD&1#LD)^OCG!CVX>;QA&WPIG M*N*I#BV&5(_C(I(/ !47BK9.7:=N')=HI6-Y #OGDK7A.YNJQ<&4GPZ4A!0W_J=0U[R;UEA_6\#MI7E!+ P04 M " "F-6=9E4I#'>X K @ $0 &1O8U!R;W!S+V-O&ULS9+/ M2L0P$(=?17)O)^FN"J';B^))07!!\1:2V=U@\X=DI-VWMXV[740?P&-F?OGF M&YA61ZE#PN<4(B:RF*]&U_LL==RP U&4 %D?T*E<3PD -7\$S]05F-&"/#CUE$+4 ULT3 MXW'L6[@ 9AAA7\JZE?69 ME-9]=? A=A%TP=F? ML?%9L&OAUUUT7U!+ P04 " "F-6=9F5R<(Q & "<)P $P 'AL+W1H M96UE+W1H96UE,2YX;6SM6EMSVC@4?N^OT'AG]FT+QC:!MK03621A'^_1S80RY8-[9)-NIL)!"SI^\Y%1^?H.'GS[BYBZ(:(E/)X M8-DOV]:[MR_>X%#BVR]*+M41B1%G\@M MNN01.+5)#3(3/PB=AIAJ4!P"I DQEJ&&^+3&K!'@$WVWO@C(WXV(]ZMOFCU7 MH5A)VH3X$$8:XIQSYG/1;/L'I4;1]E6\W*.76!4!EQC?-*HU+,76>)7 \:V< M/!T3$LV4"P9!AI@S M&L%&KQMUAVC2/'K^!?F<-0HACA*FNVB<5@$ 9Y>PTG!Z(++9OVX?H;5,VPLCO='U!=*Y \FIS_I,C0' MHYI9";V$5FJ?JH,@H%\;D>/N5Z> HWEL:\4*Z">P`_T=HWPJOX@L Y M?RY]SZ7ON?0]H=*W-R-]9\'3BUO>1FY;Q/NN,=K7-"XH8U=RSTS0LS0[=R2^JVE+ZU)CA* M]+',<$X>RPP[9SR2';9WH!TU^_9==N0CI3!3ET.X&D*^ VVZG=PZ.)Z8D;D* MTU*0;\/YZ<5X&N(YV02Y?9A7;>?8T=`[Y\%1L*/O/)8=QXCRHB'NH8:8S\-# MAWE[7YAGE<90-!1M;*PD+$:W8+C7\2P4X&1@+: '@Z]1 O)256 Q6\8#*Y"B M?$R,1>APYY=<7^/1DN/;IF6U;J\I=QEM(E(YPFF8$V>KRMYEL<%5'<]56 *P MOFH]M!5.S_Y9KF4Q9Z;RWRT,"2Q;B%D2XDU=[=7GFYRN>B)V^I=W MP6#R_7#)1P_E.^=?]%U#KG[VW>/Z;I,[2$R<><41 71% B.5' 86%S+D4.Z2 MD 83 >LX=SFWJXPD6L_UC6'ODRWSEPVSK> U[F M$RQ#I'[!?8]*@!&K8KZZKT_Y)9P[M'OQ@2";_-;;I/;=X Q\U*M:I60K$3]+ M!WP?D@9CC%OT-%^/%&*MIK&MQMHQ#'F6/,,H68XWX=%FAHSU8NL.8T*;T'5 M0.4 V]0-:/8--!R1!5XQF;8VH^1."CS< N\-L,+$CN'MB[\!4$L#!!0 (M *8U9UGKR R8Z 4 +@? 8 >&PO=V]R:W-H965T&UL MM9E_;^(V&,??BL6F:9,*Q X4>J-(-&UOU>YZM'0WW:;]81(#T25QSG&@??=[M'"#I5>8AB@Y5*OGU?../'SO^VAYMI/J:K830Y#F.DNRRM=(Z?=?M9OY*Q#SK MR%0D<&B_AYIF6\"X82Q&&R_>7/NXIX'4 /!+!= 'L30 ^]P=T%%#77W9:L MP+KFFH]'2FZ(,D^#FCDHZJ:(!IHP,6F<:05W0XC38T^NA2)3R!AIDVS%EI61FR00P??Q72A062JV+]450P5G(NT0USDC MS&$]2WD\//Q>KCO$Z=O"ORN.6U:26^BY:"7].YEG6D&[^\]60UN%GEW!=,9W M6#Q+[#K97PO8P]?&U]'/HIYH\O:3"1HJ' M4Z?]8$-"HQHB]4ND?CVDAYPK+53T0AY%*I6VX>%26N6V2O'0J(9XYR7>>3V\ MJ5"A#$PO)/ QL"8/5RK[W<&.A\8WY!R4G(.:+5-Q&$>*8>!P'G&M!8\R:R+1 ML(: PQ)PB!;J)M&A?B&W823(?1[/A;*!X1J.0]ON8,B8#0X-;0AW4<)=U(%[M%,O0?$8AC?<\MK917&?R^'!&[NZ]C@T0#6T(2)UJ+'7J(-XEOE30++EIH6=D MIJOJF()_-$JQ?X#:S<1]2O;VS$>%!3Y%?V@=9!?N+/Y"Z OADN0K_@1AKP M$4DV:/=[ ];K#ZR\:'!37E;QLC]\DR]>QL?T ^P'/D4V+/*RXY=/J4W'3(M1YY&8B/A SY9"VOKQH6:LE.:WB.4_ADVAEE"CN2G,8L 3+*6R?HN.Z-S+I,UJ7X ,B 1;02OO*7P0JWP0J^6# M9C&/(G*59W[L[?:9HM%>%A3O,K]L%KYNR86:FEZY7M0T"LP"'"*$WM><<&# MBREX7%/0ROPPW+OL\[@2D$<,K^%:$1[7%*\R0:S6]YCC,F=X/NJN;8R5$6*U5HT\^)PJ<'QW M22">R9_"GD9PNS8"L:+G"P-^)Q3<$]T^/B%J5&PO=V]R:W-H965T&ULK5EMJLV$/XK MA!L4+:#$(O6>)@;29,,*=&N0M-MG6F)BH9*HDK33[-?O2-F2+5%RBN5#$E&Z M.SY''N^Y8RZ>N/@N5XPI)+,L*GDY6RE5G\,G,EVQDLHS7K,*OCQP45(%0_$X ME[5@-#-*93$GKAO.2YI7L\6%>77!F226[YL4_>:96E[-XAC+V0->%NN-/?["M0X&VE_)"FM_H:2OKSE"ZEHJ7M6V5 4.95\Y?^W"[$G@+V1Q3(5H&\5,';*GC&T0:9<>N&*KJX$/P)"2T-UO2# M61NC#=[DE=[&>R7@:PYZ:G'-JPPVA64(GB0O\HPJ&'RD!:U2ANZU88E.T;?[M&_3NY#TZ07F%OJ[X6M(JDQ=S!1BTI7FZG>]C,Q\9F>^>U6?(R=B!KU[KJS=E?7%-YB%NI TA^"\'F?A'3'4I9OZ+)@TD$54S9XC85@;V(3 MP@FQPPM:>,DO_5!H*#BWP"7C"<./;CJ ?/(I6$B6>'%[;PPDEXMX+5-,\0 M^UGK(RP1'GU8H)R!S[<6W#'0X0>8'77]6A4$!P8$<=M:BC2=1?N:+%"P!& M@[GCB(1)#Z%%*O3'PC)N(<9'PE(JD:SZVU?1B^'_NX!]8F%H2N.X)VCUWQ"X+]:C3(M^K[M\Y(H2<*@C\\BYP6!.Q)!N.,__#("+'*ZS(M<0:JSLB!^5I1\+6N'3G=$B*>9 M\"I-^;]"NJ:FSY\3/S#.1%KUF53ZRIXPVUP<3*(I]$8G#)W)-WCCBWQ-%WN M-JOF8G>",[:$4[XL\D=SJ.VHA^1(/%U]'8*V2(7!&:..0O$TAWXYX*.],+,B M'?)D%$:#Y1U*!:/)%'=LBJ?I])"8CB&U*>+X[/=2A&/->/1[!V'(JG2?1S MF__Z =#F_?0P6*Q.#-D31Z$WB R+6$PB?\2)CF7Q-,WV4_FQ)1R*/9=T](\ M;&)!%(^E\HYL\33;-N'Q^0C&(>N%4 \., [%@@B/97(2D2.9)L=K7I:YTO3? M%(,IKU1>/;(J!;SHW5<,12]MW8YDX;M&1E9.YS _;^C0^8YK"9ZDLGO%T^\K M7F1,R+=O8H*C#Z8<4L_VOFZ2N7^YL7LE:X>^[[6QDXRI6X$'!N<]0U*OPCDP MFT ;6JR9*?/<,]?%"(I%)%=4, <%KN.ZYJ=Y ^&R5BOH=/YE&6007C&42ZGI MD O$UTHJ""> ().M"DD$P]_N(29%#ESL2)T?:68AUX,"7^8O=28?]T D#XK@A M-L?&BYPHP8X^SOA9C$<\]4'0<]S$APTPIZ#(^(D7KP3WELO1!6Z9[5BY9*) M9K]WEQ]&^08:8/VIO=,X7GZ387'A]VMOBXPWPCFDJS[(=/7Q53 JU^*Y67)' MNY9RJ0Z;KF*LMR MS:O ";H)/\TKZ!T7K'#C"'M=V 1 E<;]-M,D%?H!'&EK2%3=DNKBY8XK'*RAO MJ:@@,*WL18;52AA%D=<'.12+ .5(J4BZHH:\Y&; EL9_,VG<'GE8FQ <8]PO MQ"QR.(K]L0Z/=$4,F2YB!F6!B>A?="(>7*Y9NT";G*T+G._=!^O+^#^1>,PK MB0KV (KN603+()K[[6:@>&VNB)=<*5Z:QQ6C %X+P/<'#7#=J!OG=O _,BS^ M U!+ P04 " "F-6=9]V"(@V@# #'"P & 'AL+W=OK*7*J(&AVKBZ4(PF55(F7 _CP,THSYUH5MU;JF@F2R-X MSI8*Z3+++J/IYSX3IL3?<:%,0#5LQ\ZU8*ABYK4K",Y9K+G.D MV'KNW)';!?%L0A7QG;.=[EPC:^51RB<[^)S,'6R)F&"QL1(4?K9LP82P2L#Q M;R/JM'/:Q.[UL_K'RCR8>:2:+:3XBRJ"& M1C,E=TC9:%"S%U5MJFQPPW/[-ZZ,@J<<\DRTD'D"?PI+$%QI*7A"#0SNJ:!Y MS-#*"FMTM:2*Y29EAL=47*/WZ-OJ 5V]N49O$,_1UU26FN:)GKD&F*RR&S?S MW]?S>T?F7['B!OGX'?*P-QI(7YQ.?V QI),JW>^GNU")MAQ>6PZOTO./X1BP M#UUJD%RCCSR'(G JT%)J7G7=WW>/VBCHO7^&K-:HV%MNR!O=4%C-G=@Q6FF MMLR)WOY! OQAR/C_)-8K@]^6P3^E'MW%<9F5HFJ%A,$$4 7K?\ATK1142O:E ML8V\,1D%,W?;=7,81:;>U&^C>IBC%G-T$G,)2YXI!9"P3N(G5%"%ME24#%U! M5R92"*HT*AB\ME)HX.LA_'J&L .&;S F>_CGHGKXXQ9__!+\=S6E1K0TJ53\ M%SRP/NJ[@_"U_KB#-<;U9X__@L">A:"U$+S* M>Z/(\?'%#MHP[/4IR)ZU).6>G*2>B&S#-X^K^_RR45=?BZJQSYMV:<7 ML[^BQ:<'M21XN,PY(/CW)HE?[N&R'F^4NUBC(!A[.-BO_D"D'X93@B>C M(_R=39ZG\G\%+=_(]TQXV/>G9+QOXC#2]TD(K_K)$1._MV9R&PO=V]R:W-H965T&ULK5G+)+!DE)9^L$CJ M[ )G%[LX%&Z?>?Y-[!B3Z"5-,G$WV4FYOYG-Q'K'4BJN^9YEZIL-SU,JU6V^MG8E]SFA4&J7)C%B6-TMIG$T6M^6SC_GBEA]D$F?L8X[$(4UI_OV>)?SY;H(G MKP\^Q=N=+![,%K=[NF6/3'[9?\S5W>SD)8I3EHF89RAGF[O6WRS(EYA4"+^ MBMFS:%VC@LH3Y]^*FX?H;F(5,V()6\O"!54?1[9D25)X4O/XNW8Z.8U9&+:O M7[W_7I)79)ZH8$N>?(TCN;N;!!,4L0T])/(3?_Z3U83W.7]&>8%6WHJ+,OJEM8I7G!4+Y5'FZMM8V12CN+D+H2 M/(DC*M7-HU0?:CU(@?@&?=BSG!9Y%6B*OCR&Z.+-)1([FC.!X@Q]WO&#H%DD MKM";SOWM3*HI%@/-UO5T[JOID)IV.@=S^1.H)6:5.0@38A\V\P'[F0K-*3[D M-3[W9-#A(]M?(]NZ0L0B#C"?Y?GF-D3G_XV^^L^C=X)AGQ:+7?JS>_Q]8D>6 M'9BX@1);F3JP:='O;L2>KMG=1#4TP?(CFRQ^_05[UF)05,=T%H[I;#62LT[\ MG5/\G2'OK&'HE\9>J5AL3D<%[;C^VK-'-MA-5%D'I!Y%Q6:J #/L89:F2@?M6WZ#ZC!T3PS=089++F314CR-F KJ.J;5%I-%B*8\E_$__MY0,H*M5@;ILOMFV-R1) 6;[E:U$Q42XAOAX5 &43',!1\4Y1\0;KKNZ_V5:% M8U]T:[@"O3$K<$QGX9C.5B,YZV3"/V7"'UR?CTK1J#QMUSOH:T!Q(!:T0(@C61H@CQK;FF1,$$^\3TX$MAJ M)*(U&(L_U/L&4FP%3,G21<"$N0=X$V#6)WM, U)2XQ-5I0S#;-V@#,!5$NT=TX$;7XF%A M^T'N6(XNZCQ?UNS!31:/JG-']1:.ZFTUEK=N3AJMBX?%[HKFF5J) FURGB+V M]R&6WU'*Y(Y*C']F3Y?@KFR#&+C1@5:8(5[VG@(T&9&UJN*FCJX(E@+)= M8S,%7&%;#^$*@ 6>W\.[$8UX6#4^M#<2],0V/&>ONXND+SV;JBGIL(>-"C91 M:B7Z1M8!F.T[NG:"8&I9^WUUW"A)/"PE'TYD6XE_4N\/FQC4SMA4<9;._(>0 M#(!,;8.S";)MF"]IY"(9EHOOF?RQ?*A]>,,9!E!0AB&8[?LZ6PBF,MPG'TBC M%PD>E _=:XT%%+W::&8B](T<5[+AG"EZ">(-2]&?UQ*C>PE&]K<;RUDU2 MHVW)L+:JIR)>HPOU*A/Q)*&Y*!-59@A>H96[H%UCUY;^+@.@IQ=KF6YT__64. MMM*[^PJ&N5Z/[VY@&O%+!H7<(HR30_&;_T^$QCXK-";JG-" 5F9H0-B9H6DT M*'$&"_MK><[$HBD]JA>C+4/9(7U2H5$OP>T*%X@(?l) TBY1@A:M\4.O^=)6/ MZ2T4L+:'B;& 1@.C!^&(9AC!?IO<@",M^,&\YT&PO=V]R:W-H965T&ULQ9U=;^.X%8;_BI NVEU@L]$']:7-!)BU1'0+;#&8V;8712\TMI(8 M8UM>29G, /M2CB@F$^H]E%Z1(A\=4M>/3?NINZ_KWONR7FVZ M-Q?W?;]^>JJF]_7ZZK[J=G6& &7VZ9=5[WXM;V[ZK9M72UQ^C5Y2O)U?K M=KRVIN+G>_=N[]N:Z>>A7RTW)KO6ZA_6Z:K_^4J^.QS<7F>6W?WB_O+OOAW^X MNKG>5G?UA[K_Y_9=*WZ[>E99+-?UIELV&Z^M;]]'/A#S6J5_6\'R0]\9_/]:Q>K08E48_]J(7SS&' P]_M_J;.=R_U?L3B@>]>;/J=O_O M/>[+^A?>_*'KF_7^8%&#]7+S]-_JR_Y"'!P01$<."/<'A%,/B/8'1/H!\9$#MV/X IAT0ID<.B/<'Q']$[,@!R?Z 9'?MGR[6[DH755_=7+?-H]<.I87:\,/. MKMW1X@(O-\.=]:%OQ5^7XKC^9M9L%N(^J1>>^*EK5LM%U8M?/O3B/^(&ZCNO MN?5F]]7FKNZ\Y4;\H9E_NF]6B[KM_N*5?SPL^Z_>I??/#X7W_7< >-\-97Z_ M;QZZ:K/HKJ]Z4<4AT-5\7YU?GJH3'JG.[TU?K8C#9O;#9LUZW>PK1QQ=C 05 M3;)[:+\>/;ZT'_JVL5@.S:1:>>^JY>)27()9M5W29\+M6N_K7G0'PH&R:C?+ MS9UV#:^$O<\>A\\>ASM-=D3SE_INN1G$1!M<59MY[7TQJMC=5VW=_>!5O5?4M\Y^*/C1"_TPI$RSZ@^=W_=MIK7;RY$[];5[>?ZXN;/?PH2_Z^4E4]B\4YL MZ/@^WX11FF51D%]??3YT#1FU1(IQD)CB9O3L9N3HYA0'GS23@XL>1'F>:I=\ M9A8+F>:*6>22I4D>JL5*(J?)7FF%N-FL2S*F:R639_<3:EG[5U,;)PBB(-7^A84NH&D>IJ7?" 8,)_B]W NE^8#:-. Q]K;WNB]D: MK/VDG TEZQ5HLQJ."JHZ)4E*8$M)M=OSX M[.^'*>, UD:[26MTYVXR,N?M*0M\HU$AHY90-8Y24_V64">P4YTS_28])FB* M05)F]GHY-U2D6CGI##@JINJ+NK-HO,6 M]7Q5#7_8O:=:U/6Z^K@2#SGU -*ZF#CQ6!]VVBOF;!T4T4#5^-CU4*V3]"6P MXY=_B'"%H&HE5(VCU%37)*(([8C"/L#\4&]%9^P?'V#:U9W; MJCF7C](TS_TXTA]W4"(!5>,H-=5122Y'.[DP9U;C+IK3]B!E8:[/K;/EE)E5 MICMCEJ$'(D3,6 Q$8GT@8I9+LO#@AE ODT0*X3E(8?R209$"5*T(34!Q;!0" M10H-=51B11".U(8'5J.3I?M 9Q-)=(W:XC5M"U3A*3355 I#0#D#(F=6X MD40>!(6*0C,]PT!%1!FZ0R-B4JB(*&=!19$$"]&98&'TJMD#N-[^4+4B,C'% MD3X-&I>5CU%13)5B(@E>;647(S(495*V J150-8Y24V\"R4PB.S,Y-178+NML M-\$V@H1%6O]60*.64#6.4E.-/%C!8L_<<,D(CLS$B9AI@^.9/9YS$X3"C2DG MP%$A54,DLXCLS.)H MK#5OPX;S:?10<[M#3Q=^W=_&CC0U*"661R$S%9"G,] M-ZF ABVA:AREIIHM44=D1QUGF$T::,**(#,,F>V+'0X?]0Q1>[V=/:/K%>@M M[R4H120I162G%"^W+*6Q+2Q,MB#(DVZ)BQJ&O+P3E1+E4E#]2 \[35 1^'(]!0K:-02]QL91:]J1'_N.V#F*"]AB M)LI(_5!_>$'S/Z!JY903X*B0JB&2=; 368>8;'U;7+FM6M&YCC4U:((',]E$ M'*:IGO%80*.64#6.4E.=E>"$V<')9&=)-Z%8A)FI'H%N!2),)/#Y'FNMSPB ML<34W 2-#4$DPV(L2C-%V!LTG801:"+,@--H9%&A U3A*3?5;D@]F)Q\O0*P8 M@068OEC,7BWG)Q^4DDPY 8X*J?HF&0FS,Y))Q(H1:T_"(#6FT- %+U"U$JK& M46KJ1F<2@\1.&,0U&<^N[MIYQL3.'G06*C1N"57C*#7544EL8B=B,\E%8FD* ME84:FTM=C"Q4H@P)MJB85!8J4,H=-54R3=B.]\87=]' M&\G,^5&:,5_?I'3P ;G]B M0P>RWYC9J^+<7TV-6T+C M-S-[*.=6!4T%@:KQT0NBNB%Y2&+G(=-WL&*D3U 8DA P)//SR'PS!HU;0M4X M2DUU5,*0Q Y#[%NWT2X25"*- WTC^UDR@80094@20L6,6:+C9$Z42\2TX\AZ MW$22D.2IJ8X>?)'%GGIQ/MNR!W VUM=#M,"R+&C M7=VUJ:8FDF!)$H=^HF=[0N.64#6.4E,=E5B=4KTF.1B:#3*4#RS]$_#S(AR M3%_H190AQQBI20&"/,TS/D:7IDC)%*6I">0PO&+QGQM1%Z@&&OAW-7 M-C5N"8W+46JJ6Y($I*YI$:ZS7'L YY[*G,H?P3O0N"54C:/45%,EMTA=,S@F M&6ENR0/&KQJ4!T#5BI38].(MGP;E 2@UU=2#C[:FKSAI2J$)$E"U JI60M4X2DV"23J2$ +HQA[%VB7=;;; MPA91G.A[/D&CEE UCE)3C90(+7G7SA]@]E,?TCTY*.9/9YS$X1RBRDGP%$A MU0\Q2QR1G?CQUQ?X%#-T54A&?"OX+*JAJCB04V?1/O)ZU9-P>Q[G=F:2! MA>)_.GN"1BVA:AREICHKH4IFARIG+1G/3+21&:^Y]H5L*\'M=73VQZQ5:B24 MH4*JEUW2D^H54#CEE UCE)3'97X)7/]T,FXB\3>$%F>F/V9 MN;,%,SJTB1\ZH6*F@6\L,27*)4EP;-/ 3 *-{}P/G8Q?,BC!@*H5V>0/G4#C M,H-<7(7!*1WY7!!53NRO&>L/K]Q,YM"7?8JN=I!U-J.7\&#"?B)GL%7!M6;C*#F&5QK]5"FC8$JK&46]J MYY)HY"<2CDSZ;0"),$GW3XUEN9ESH:WCLU7>VCJZ7_C(4%53U1+*(W,XB M7GA!I#VZWKKK[NNZ+]J]N MKK?57?U;U=XM-YVWJF^%O/_3D%?7+N_NGW_IF^V;"S'F_]CT?;/>_7A?5XNZ M'0](O]\V3?_MERNA_]BTGW8Q;OX'4$L#!!0 (*8U9UEHPA_'-@D .&PO=V]R:W-H965T&ULM5IM;]LX$OXKA&]Q:(&X M%DG)+[TD0)IN=PNTNT%S>`>9ENB85TG4DG32W*_DE),6WQ)3+9*=>]G,UEN:4/D.][15G^SX:(A2E^*NYGL M!"65'=34,Y1E\UE#6#NY/+?W;L3E.=^IFK7T1@"Y:QHB'C_0FC]<3.#DZ<8W M=K=5YL;L\KPC=_26JC^Z&Z&O9GLO%6MH*QEO@:";B\D5?']=\V '6XE^,/LB# MS\"$LN;\N[G%7L,,H.(UK14Q@71 ^[I-:UKXTGC^'-P.MD_TPP\ /SD_9,- M7@>S)I)>_K?K%+;B\ER BJZ(;M:?>,/O](AH,+X*WDM[5_P,-AF$U#NI.+- M,%@C:%C;_R<_AD0<#-!^P@/0, "-!^21 7@8@&V@/3(;UD>BR.6YX] &&OM MS7RPN;&C=32L-=-XJX3^ENEQZO*:MY6>%%H!_4GRFE5$Z8M;I?_IV5(2\

VX M)G(+/ND9EV *_KC]"-[\]!;\!%@+_KGE.TG:2I[/E$9C?,[*XCR)-7 MX"MOU5:"GS6"ZGC\3$>Q#P4]A?(!)1W>TNX=P-D90!G* WBN7SX<)^#@?6:Q M]8=CF35)V]BD;01O@%YY@BC6WO6ERQ2CP:SU7O.P5[.JW\N.E/1BHI>MI.*> M3B[__C\7_ZFFU#-93#(?N3+['QV M?X@^8 6+ J_V9D>XBCVN(CDQ5]5_]+KJBUMQW8M*WI:LIJ =)N[YG-I9K 3 M_)[I @7K1_!F9Q8*:]\&) -)*-#BE+-Y(F='69OOLS9/SN9'JIV6C)CF>P9(MPX5B_QVN*MK5M._*;:4S4@I[%'50 H8D*KI6H&*RY+M6V4*P=YB4 M.]*65"==JF O6'G@\F)<$;X-7A5A_#!SU)4#1, (GS9R):70L#C] _+TP]@H:\J+3?-Z)X.S2P(' : MH\48>,BJ@"@"'#G@*%W&:DL%:'D[M:%4:DASTQK#4)% 1 0CZ'Z5I&U!AU1 MPV>8>DO:.RJ-GCGHZ[88;!W7C*Q9'>_ Q*24?12OIQ\EPI W3K/V-EI3=DW5- M^^ %K:TB[(C052?4EH--?FD]9_FQ4["?DZ"Z'UJA=[^)& 4 MZU^.?%&:?#\RJ01;[TS"$]J?]LJ5_BBIM*=UY:[9:(ZW49JW;BCK?P-%V;GVW%=768&OA(AMZ2NP5<]X Q\^7(=Q.U3 MM(?;-]&M>K${ \>.QW&:Q_=\,U#,BULU#E!UKGO0&'C(#BYPED>0.U+'\%4< MLV$M:2R1R[]M'9";]84 M-=Q3VN-\H 1I);$_H83SY(L#F*^*L10.F14(17H>/C@S3[*SWGUV.U%NC;8T MG>PP*L6!.;&3FT>@R _PP-1VR^LJUMZ&!XV.$[+Q7C1DAF)62SBAW1XS31^ZOB^M,OX LG[=GQ*8:56/;(\O"T M\OF#2IPB^2$TWV2IUT4D-"<%<%H*!/<'+VY]/H? G659X*R%PVHTQCBT%Q_4X MS?6?VU+8>G]3T?[36].:]A+@FY, YEXP I^^,?*T2L#*G&+&+3D&PHWFL-0K+2DH]&*^^'T:+W)8C,\V V:+>8XCU9,[ML_3;!_'3\T)60IY M[O-XL_>:>)_^=^ MAS9(,"(UF[12=VS1_TYF)H,<[Z.?MCG!,'QV]Y:>;X(ARB+;YMPI@/P9!4!8 M-67M]#LSO^0QPSJF6;3@EIKS:G %;@3=4"'LVR):H 7Q^TSOX0\1#4[N MM$#^S*9 I\55"7[?:(0QA9AV\>H. <")OQP$[A9 O_I)4]J.PHF\'2?! M28T\+35>M"*9B%P/C">Q(I8!9K&$Y_>H9.Y.WX MS1LG18KL+R3=SDK*0U;Z>U0\K=_N[^;E? ?U*A%;' M4N]V-]IE]FZAUXWHWZKL+Q3O[(N):ZX4;^S'+26:*XV! G[#-&PO=V]R:W-H965T M&ULK5MK<]O(L?TK4TQN5]JB*%(/R_;:KI)E>.*=Z-KV5\]1M\]>OC4'NC35"[YV[5^] <&U3V,I<>Q7:LM3^_K4IW/;E9#%)%S[:]::A"\>O7M1Z;6Y, M\[F^]OAVW$G);6FJ8%VEO%F[G%PNGK\^H_OYAK]9LPv#SXIVLG3NEKZ\SU]. MYJ20*4S6D 2-/W? FRA0%"8(:OT69DVY)>G#X.4E_QWO'7I8ZF"M7 -WFS>;E 9M.E$Y6:EVZ+YZ+9 -G$_YR0OA06DK^:N_1#L, M'G@Z?^2!D_C ">LM"[&6;W2C7[WP;JL\W0U1](&WRD]#.5N14VX:CU\MGFM> M_=6O=67_I<5$5:Y>ZV"#:>/R+O, M,M=6C:W6ZMH5-K,FJ']<+D/C$2C_W+=AD7>V7QXES_-0Z\R\G-1D.7]G)J_^ M](?%D_F/7]'VK-/V[&O2_PLW_7_(59?^MZEZ7V4S=3#!YXER7C4;HR97KJQU M=3\YG"H\IBMEJCOK7572HX5J3+:I7.'6]RJ3._&8;NC>VMLJL[4NBGL\M 8 MY,I6+#7HPI *F:N %7J);]KZJ=KJQN /J1F9]DML JI?30[Y<8(VFPT5A/MGZA,6CSOZ@31T4-(TP!U>45?\S9K M K1EE20YC0^J<8 G_/:(FMA&HY&ZNFK'=* @GLU:?S]5M?%\=^V*^U71.N]T M<7M? "@1CKK*$)D'D^MWES=1>P;H;FQ:41+CBEJYU@_T*@G4R:#9!F:& MD0U[UGRQ@>.>US256,MZ]5NK"]O<\W7>!+:U;@L.@;%U@$!5NX*%6T2)[!2X M&LA,O8+)R$&U 5Z CIFNZ0F^QYO2W9F1<11J#"[HXFAE85#L< LQ:U,9SSJ0 M\7+LSEM=3%795I8*#.I*0K\1)G%=DUL):Y2A6X-U#*B"7";N3 %_D,ET?D>6 MAQ*MMRMLQ@Q\8A@OEP.3R^M,DBCD<6>A/?WAZLKCXD>.N$45=EW9QE U,P('2 ,/_P)0EO7!1F7GDVF&^Z58X1^[".0 MPA?F:?8:7_8,,M"49"!!L-QM!465AJV2N]^6-@1&DIN$*8)\ G#JC2GT5ESH M:R=QB9(-]JIF &I0"$%C.$RMAR0[2=O3+5U+E=_LT4!O)M"H0(BL=9>27^!"]KL M]GZ&_:IW9NE;,C[*[>G8MSK[K>7\7,SG_Y,L;W!-PI01',AED67>"N2@9J@/ MMK2TT@$7#KIR28("1]!TPFH"-HQ>43;33<.G1A+)_B!OQGO!%3AP\L&L=79/ MSR!^<2V8C*$F WPR1&NU,B8'-F:W%(5CB^"3[; O,[X!G54U+%/1X@@CDD(K M4PR41E91O')!LQ6>X&U=?QJ@9,2@F?HI[5':]M T(^,C M8!DS/7B?6MJF1:@0'HPX39:1$LCQ)E6%0/.>%=^O8V<5_%VU7NJ%]Q \LWV(&QIQICX'TEL,,5(% M=7]\MZC1VE&HV1.E<]_:KQ/[1$>]-3DF8>;&-,M[7]F)W"?*UZ %2#N\GEV,X-#+Z]C:6&AEW!&A@A8 MS$F]CQW34#='_Y>L=$-)# /%8'[[!4P&-(;\&G&:P8JL4E@"E7- -198G'Q4N,*.IZ!;:6:R;O#-=52!(S$H[:Z\Z:X?> MVD-3DNE\WJO6F6)@^JSS)++!P>R0+!6K=]9_X&UV!B()M,XW7.Z@E_,-'/*_ MW:6/?(G\XJG@::DGE KD>CBKK?)8JZ+[WMS1E.(MGO;,_L). M3>QN>=]I1TC;<QR58 MQU+?(TO0M-0(HKAU5A+Z0-]JT9ZB" E(M)*8.K0 M#64*2_U'TT%?#!8""%H,,-#IWR=(2][=3&(\(OU<#0XG>(\"!;I'=N?X#^9W MA71*-])# <"GW,<2:F27FO[;)K:2^%7*?;"Q^!?NA%]\>EI0=/:(J= H,EC=-2OR.V>?^_C_Y<"V>(: M C6:Y*'B'/VE4Y,"",%$Z/,&%BN72.C3!8^93F->\L?N2:[M@U@;%L\% _TY3@L"_M,YLIZY:LU7;$:,L#2),? 826/>%-5RYN!6_FQL-,D_^.'3E3;VS!2W^?@@13E &5,#P4$2+5R65(<&BU'&^X$\385Y@N MJKEWB<,/DF*Y1N>D#\%'Z-C"C-S%ZC<;M%T;RT#('@U?#S$#4<221A6 % M9BJ$[G)C6U&I18]^\SE,XKAAA>KJMNPL1OM@I.>("9'I(D]LG-[2M%(>O4B^ MZRW^'$+)8,/A[8Y!?B$[?N7W X9&D&NL A@Q7X@;#N)PSJW^TR^& MP!O!8U)4_5$MID\6%_A[<#)=7)S3E8/3Z<7%G#\MSJ?GI\\.U0=@W7.$YAWB M!.NJW&0%\J6:3R180'0Q/5T\?73+*:T?Z+5/H8OIV=G)?H7>/@H+1S'\ M_JCFL_D9601_+P[EPV(1/YS#0E^3D0+WVU+^"PSXOJR'F>>S4S2*19':B9,' MW\]'WQ>SL^Y[#\O#8)H2<-0]8Z9=#VV/&.QXU+]V4EW$IM,52&KQGF.2IKI M-@A9CD&S32465I?U2[\W, [&UH;,D-W2>>S5&/TZVTMP-.TTGV#-4;GB*% M 3N2D/8=$_;2;\)]. M-DC1MJ,,@1F!4V^&NV1HMTYKT[%2"EH^08;1$=E'==9E6HV?O MM%C<5IR[T,C(D8SNSEDR!VY(S J%"/4)3J>QG+A\NA-C'LI6+=.H?L:R 2H; M[OK(F2OK@YQGH OQ-(<(%)2QU0]# @?24<:Q7,9U*@%@-"01X#'F0+EE-P&A M=>,@>]N02=PA\)!DL 8=Z<C-B&7A7:D?BI MZQ)&IX)Q)CD^_1@? 5L$NPM8\H!M%AXXVLHW)VX).+LA$%1,[_*H'.!-J'P/F MF :CU/)),'+@I\;2^&'_AG1;.K!DBNHWO4N$K9/@.+RHXF+L!)*R35=T*$CHYVCPOK0HY$X]0$(EK/V3V..ZDA_>Z3V=-65>+ M:Q/;N1V,Z& (FM&31(@%^I=8ZQ*\,EO"HMX7J?V%9,J@X1.RYG3GFK,*&WC\ MQHHPZ=_%8K:2*0F3ST_/JP4.QRB+V/FN]>1R^.[$X(EL MU7@= &WY S-$)(L6ES/?,YO\P3YZ:$R)VWE]ST_?J? >PL@A.C,Y_T[W3)(XJ MC8=3*H5N8TUISBFT>S;=-'T"HQ?N4=\,4SL5'QH&V[XAE*([?JLB%K'I$'HC MIF_0A#I/!(6@FQ@ W<,61[WXI@WD!)XP8ZSV3/VUZL9SI?Z51!\A.N_Z\HK, MD(3V6Z7;^62%]Y$3G_=Q$3[3JT]$!D-S7QC$#R0)D$%^Z7P?^N14O7(+%)61 M6ZWZMCYN(C82=!'+QD7K4$+KP"NHJ'E(L=2'O??2DU'_M G\Q6S5X%>N&NAR>DKRG [$[:O) (<(RM+ #6 MWEL_U31N9-%\XLIV..:H_9C-^\Z^.1J!.#)T_GA<_6^)&2.!OVE=N8=J8G MWPP.D XFES>?DW ^Y^B_4K8P \CE]-J*Z-C#Q"F.B!R>23&NPS?5AIG#\">8 M=_#-# ('$^4&!TN2!O@COJ4ZPF-A&9#N#OD"8FYM*WD)@<_CNJGHXCS-Q.0L M:#SDC=0KTE$*O&^+.N-9*-7D?$9A_!Z,\>D@;,=TL7%D8U"SRB^,4.EMO.NY M)I_XT^2>$^21^? W^/G&F7@^:8XUKN;@'I?$,TB&0CXBD1?^9/19 M-@_$UT3HUNNU-^L!EZ.^\>'-Z66[>*8S'-V#[V.M)O*"#'79'HR@.T-Q0AT7S-MCH>A0872I.W(R0]+6[=63I.H>2'DT?U[-STF2/_Q(-6=WX\,7% <[GP]2&3GZ M-1GZ,)KF<9_T%THP24]F3D_X=MPX/G&/4>1W?SZF(#/2T[>#D4#C6'B&\HX,W M7FO+M?-7E+B0VTP@G9.\%9MI.E6E44KH.M_T3I[,.6*%Z,4.\"09(B8#3=']J M=EG0A#X.9KJ;&=C7T)+$Y\]/+K/#H?'9Q/E%>WDF7+XVK^3WP MI6L:.5_+'C=&\Y70#?J#@\.UG+..]=O^+O[LSU*UV569JK.R-LM5Y+L[U1F=Z\[HUZ MX8M/Z7)5TA-V;C:YNIO0V_!GMJC:V]5FO0;M%^^1U;T@"J4S%)5&0^/>@;E66$2&(\=73[-4LZ6#[B,,/0UJ(%5Y=,0+LW) M*2>EP=T4Y\KKF?D]9O'7*K4I6>G520FB=.LD]@1N'(Q 0*7XC>=ERLKWN:) M2KKG3R!,+=$X2'0S?I+@O2H&8C*,Q'@XGCY!,U)K.&%ZDP/T;BJ+,ZP5MWH] M3W-):D9B9BTBQJ5Y)&2>B%]TFI?B3Y67E5"^9V"YS^SN2T-0NB_^RSD!)CN M%X#2ZLH6,E:O>\@;]\R#ZEW_^,/H,/CR"76FM7K3IZ@_QX'?14!\S,4[_3<5 M4E2,V L3<5RNE.BUGT*PJ5X_$G0#ABUDOA6PFC{J$3"A%E)8%5<&3RLKBLK$ M*^2.D$NC%'*Z]"3OPHU9N-'K(P/*E2"Q/J3KM 3!XQY?E"#UKXG>]$HI!$/ M,JN4.!H.AL.1*)Q)+V>-9F=HST!PSA+.-#=8E%Y_(/YH^5?&L:YRAL1P?9MF*_Z>E,Q>1B0W2S3,>2F", B(0/@=1,D-CM<9762KG:>9BKQL1A.") $V02(U0\.&:J2YDZ@UH20WOA=V0=P8Y(#>) M"2<7)F4>CL+SZ-+WWQ=!D2,*G4MQ-!H/IMT ;<)JUZO=@Q>#BW!PQ]F9U<@?M!# -/;H8G ?N2#LN?F%4QA:,M2U!?;*XY?8 F0>^@=++NH(94 %) VB]& M"(&MDL82R(Q9;$8;^H#'LRIA,!$^2# .*QD@L50Z#9\{?"4IB2LA,M;TG"-L$ M(&,=CMV7$(U@A:WYL?"NLCZ"-7S($@Q:,0)#PX5YG!;@PD''2I,*L(Y!#8G$ MKU0AXB],.$N*IJ703!M>FJ=E!=%U14X%&X0. M@H"!DZ+T3F\058/69Q$CL>9*8:,#9*%)#!PZA+L(+P=$*(?@+(HL=5+"_+8"(^D4E,+(C:#X M-BF8@#@D2*I8B9]FM_XS6<.QV2E Q)#@#3T,!W: _$7 3/I1U&>J9"L>Y"@ M6QB@E\H32P)45K6U(KYBH53B4+$E(2GXXFLER7X"TI(^=#BE/"OI*/D?N87: MDBZC-#52 $8=$.9PI#T'/6Y6H(P=&R+<8AR_A8Y3Q.C2T%!#+$'%HC5$\= MGX4&-FWX04G8C.,/0 7KS^4P?5T $5E@XL&,) YHYD&L!K6\BV(!V0Y#R!7J M"04]8@]',;]!J3OF.6MXOJLQB?&YR_I*W$J[$D&8VB\]&YF*VI'@'(P'%>.> -3>[!CR]/3:#(9 M.JW_#%KO,>X5;,H5#@ @MTR-@RR.#>%E;8'+Z&)X)FZ]]H4V(1$:81,U+\7T M<R+H_$%HU/Q>`Z M?&2N(S@N$1Q)+5v>)/AZ4YL(PZH>R7K4/@AI]%6<2_"! 0B/B^1B2Y(T82#F=:-[.-K*!;IH MDS6]W8,E72)\ZGHJ% D$$U?<.,!? (#)%*Q31/ M T^-;,A"9Y3,@Y2NA J9WO)7C>O!W.'+]O0#WT(\:Z/H5<&%\@P 7&FVKM%$ M51M-2#J5-$+[T,W(]P(N@]7[D+?9."+)_71H-GXDSW@RC+W<]!"SVG;B,RZ_ MA^%).CF9\F*8CDF"!YD;CJ8P2<].1B^K$2),SP=Q,3P?/2I!24&QB&5TAP]? M:(0>+)'-9F2D)%69E8^58XGLR9E9;XMPJ#[[-0DUC.'V"(=2N"95NO:I %ZV M!#&9@F2= M=B_FR_A0? #2/S^W/PA:2H7"-,D.>J?3)+9IN_&F#L_&E?%4FK LZ=6/E@WH M\[4QOMWP!=W_$8O_%!+ P04 "_"F-6=9%HI$@HD" #+!0 &0 'AL M+W=O$ \N,E)8^ 8P7;6E5^/[:19@: [PDIS;]_D[<84U46>B06XRI9 UT<:5FT U$DGA0#4+XC ,+ 4M$:N M.@L9Q[BVBZ3&R]*_A,<:L.;+"=K(7X;IWK8NZ%5A RS+5E(.;U@)?(F"4R M,G[TG-YPI 4>VGOV#ZYWT\N:*+P4[LM=#7W)AX46)*6Z5NQ_8A]/^>6+Q=, MN2=LNJI1[$'>*BWJ'FP4U)1W;_+8?X<#P"1\!A#W@-CI[@YR*J^()ME,BBU(M6VW8K.%:=6@CCG) [*7=:FBPU.)U=\P?D6DB*R@>.>A9HPVIS0=XS++N&^!F& M%&X$UY6"]{S XG=\8-0,DN*]H&5\DO .FS,8A3[$89R[@ MBJJ<"=5*A*+M=+2_1/? CG7<$2;'">V<3%5#@3^7=FKLAR&VU=(X6C1O7M=!F^)U9F6V+TA:8?"$WCOV@&%_9[\ 4$1# M:!0 (*8U9UD5B ';[0X /0I 9 >&PO=V]R:W-H965T+ (TM9(5+NSIV&ZMDQHN*_#B93$Z/"ZG+P8MG?.^#??', MU%6N2_7!"E<7A;3;*Y6,V^>#Z2#>^*A7ZXIN'+]XMI$K=:.]7SH]?^$VK6]?Y+4B2A3&?Z>)-]GPP(894KM***$C\ M^Z*N59X3(;#Q9Z Y:+:DA=W?D?IKEAVR+*13UR;_76?5^OG@?" MU%6N2_7+

**(PU'$X2CB&ULI5AK<]O&%?TK.ZC;)C,T25%2 M[+J29B0Y=I*Q$XW4)A\R_; $+\EM%KO({D*4_GW.O0N H$RJ=?Q%(O9Q'^>> M^P#,-C{\%M=$23U4UL7S8IU2_68RB>6:*AW'OB:'G:4/E4YX#*M)K -/IA5RJ-M[&0VG7XSJ;1QQ<69K-V$BS/?)&L*<"+<^+RZ,W5R=\7@[\;&@3!{\5>S+W_C=^ M^YQ7DS9(+)4)I:@\>^>KLE:%@0S?F]E%KU*OCC\W4E_)[{#*E[F.=.WM+V:1 MUN?%ZT(M:*D;FV[]YCMJ_3EE>.6W4?ZJ33Y[.BM4V<3DJ_8R+*B,R__U0XO# MX,+KZ8$+L_;"3.S.BL3*MSKIBf/@-RKP:4CC'<*]VW(9QQG%0[E+ KL&]=\"M MJ\HD0)RBTFZAKKU+QJW(E8;BV21!!1^D7?<^WLL\H[_C+_]K8FEJ;$)I'Z] MG, <40)K_[$,A*SG9KX03Z4VL=4GG!3(E4KBGXN)O?SGZ9OK/9UPXZ5TX>4[Z MYX?L"\2I.V"1'M65=XN\?4N Q92)<%+'M;J,*JU)^8VCH/Q2'MXAT=0[KBOJ M{[2-9!%Z:NT>E8E(YM\;$R A>57[F)16,>N90P\R(*VQ%&C56)U\>%0EVQC, M0H"U]BH%J4JNI$YDZT:,OC1R3&3ML6G,AL-<\"M1-8?M'P23 M=^S34;UX-3Y%/EK+-HW5OP8.6D*5B,HRG6KQ7]#[LUZ=N@9E/%+%CQ^-IY]BN7VMO<0:@@RY1]&I4 MU3E<\ ZFHSB1@F^_@"#J9Q-6QAFMOH8;752?'W0U\\(_A-=3K,?*CDA$!%9H8&;5G>B}<#GK"DX<((SL2:I#'9QQ%X MN'T5G_CC4\/==Z^O@[\V"0ARIS=J4ZXQK{0-; 2G6N]5+V%"Q@BY=Q3H$*(M% M?7:1)-VCMV8AV7*EK633'?>3^+_@W26&1C,$#D;P!K0GO=MM2!&# --U@!<< MR %00\<;6 9JB:.H0TJ'H%&..+/E6N834Q-.=RKQT[C2-F@Z[&+Q$^P+ QA0 M$>#02#E*Q>=@P);M1>!):FCV/[=KXI&GKBV2>Q4HVYW6.G4>QAWLMDDPK&82 M9.,DP3*'<1JC%#43V:5I -">6KD'0!X,D!:W5BZ/Q\=:H6T!\"[X'=0.7 MUVK95^,DIYZ8.,J5JZIH8;)'#!CZ(^74CD"$4.I2W&4',]"XW+6R$=EF'!@; MG.RF] STW]+4.!]94VTIZ0=2-5/&Y,5WD,0' ..ARH ;BXYM00L*RL4O&'D:TM*/)<_DT :Q=D&2<>%-JDRNL@*TJ1S /PZU3, M12$21L2<#*YC^YEA#!LCG/MNT,_17XK;C>!Z_Y%+GZPHQ)4(9-YGQ?3$=0I/K5:Y+TH@SF;6UW$DXK%Q@ M83M+4(<1D+%4XF S I@RB"?&'1N6P5=YVI4(9&5]93Z=_K7+K+9HU]HLQNI' MCYCH>2XQ (A3"FTG1U3&&J;JG(B'V]*'Q2?=?QB:7)NWW-U2F@,SO#1'Q)XSQ#"!N"5<$!">0$"GX2(ESTE MLZE[=F"FH,Q=L6];9M X@H/!Z, X-%8?:(4HW01>$*O%X%O>]T$X&WR,P0:SDJPNS%DF1/TWTJ_V' MGO&W">,*_)S31K1XP/8 M7WJ?N@=6T'_NNO@#4$L#!!0 (*8U9UDXE.OC2P@-/07 9 >&PO M=V]R:W-H965TVX#C M-%T#21/$V?:AZ,.('$F#)3G3T<5E_7@ZL*M?=17%ZJU!:S%\U,6U5#N+!;N&37&\L+8RN M+AJ^%G?"_M)\U/@WZJ04LA*UD:IF6JPN!]?Q^>N4]KL-?Y=B:WKWC#Q9*O4K M_;DM+@=C,DB4(K/G7MR(LB1!,..W('/0J:2#_?N=]+?.=_BRY$;]JN#/M+ M78CB\P(]G5&)CLC7RS.T4I_V^>-8"M5@@IDO6:6+TL1+_#!-PS19KFJ&E5#D&%JMKU*RMTU3VK!>UC+MZU1>9E[93=*$ 4 M<@D*M5&E+#@]/7# G , 9,L+=TBU!HK,2P946E$MH6\'3?9&Y&$E=BN3;[?_ M_,G6,Q9'DWB&WR1*)^-N@ZP1(X'H?0GR]@O$DRVL8_$B89-T$0*21.,D=E*F M[+.B%#7?:A>T3Z(,VL]8%B5Q=BK$Y^RNX:@.7'9!AP_C:)9-<+.(XG3&'.U3 M-%LCNK/H,1H 21* 8H-9Q?19!+3^0S.W >)9]5H28/I)G473-,5UO@#K +9@ MY'MTFH:0'"B9_;XXR7"=S&;LEV:E05#LQM$KG*!^@64 0*X*6V)#*ED.$PH6M]*H40CO'7KK(!X2*5TOB+"H.8(M$>H>F]FT"%DYZ8]S5P^Z\Z*EN GM%0%P<"7O\R[..'4%VV!9YJ:66.0X8> M4DA^:R6Q-\PA!V$L:Q ,NX,1HC-\!@R=4)Y#B)'.K0 3;XEQX/0YZQ^GX<(5 M285#:[X_"'M*1QHPAT2\Q93!WM)0Y6V@,^14(4"0M&\?(6-EY8Z6+SP\P)I%D)SI:EGN+'XQN/[T8?"RV_-5RY'1@J2#\#O; M)?0_#\?]'&GC7W'"SJ%ZD.*2E4/8=TW@.@;VJ+1>Q_0=UWO"2^ M=]V@:T&^M3*P44QCF;Q@BW2^3%=)]".+A@EV8+%\0X0.2:1+-Q0M=X?D#0 MQW)Q1OUE%KO>-ULDI_)RSCX\[W74.T,RL^D"O_-H/AO{X?(Y!S*TP(SZT#P. MRF/7R!;)XIGN?B"""^P#C=&N,-^9NR@LW8[R<24@).^QJ7R8[Z>WX?C9JO MY"=TVX]-Q[>D&0=N]B02S#%L*S1-*H$2_E#QG4)(A)Z]EK6;$" ^]-4S-HWB MZ<1A+)NHE&HM6N@4!4<%30:_137 Q=Y/O57!]SC>+"&?5U1Q,5FPV][8>^Y-AM>EBXJ$7OW[F8W09JVM/NN6;IA MY\AN^(#5?!\.WBIO/4O.7<6^EP.#]XK>S3C17T/C]R@1?/ZX<\XNJT%K),- M3 (RT/C)MD,M&+5H$K4/K!(HZ:(W(41L"\?39)C]:4@LY*3;C1:.^#FH"3>6_ MD?AL/+7SP"J%[6NW4R.49JJ'>.D*6&W]RD&8PXL=A*SAL2L#ZK2Y MT!@TZUV%[7%,M>8*X? VKCQK#.,O\'M.CH3a>Z[PW?"7B<#M_T_RQ\QS[6C7!? M80=@IDO6:6+TL1+ #

*M'Y1,NBHMS6EJB\A/HNF+(1^Z\B=>YPBE_F@4GR?T@:F:=/0A<4^5?]NWWVL(MK*1S0C]TV&WB*)^,;8,7<(X-.Y_HIR[S\')+*Y0[=R+H\'-F&XL'T^/C]]J MF^5/ZMV+^(6I'647!!9D&EZE8P]4]\IT&R,;-]FWTM [X98E/.5TC],B6CAJ1+2 M7$:EM?6HTS%YB14S9ZI&25_F2E?,TJM>=$RMD14^J!*=+*$G..Q7C,IJ,_=B= MGHQ58P67>*?!- %7%]/H*A5I=1FFT',CGB]*Z@NNT* 6O M4![N)&B<7T;3='35=_/]A&\;<5V;G&9R2F5(_W,N?Q664.$(H,+<.@=':?$]J1 M" =$-!XWF%&[I O_5Z@_JFG')G-X8lL90ZN]8$ .3!? REN+3P#:5M-$)(.?//].9 ML9IRZ=]#**@4"O<,$W/D:F9KE>)G1 3*HEQA-?OTE/4]^/R*OU\KK'4.7/-!Y M+1J!H.9P0_(5W#4Z+RECX4[S'&$]A,J#"]O 8>8^&%WW(VXX*<0..^ M-]7^7@:EQ[E\(?"YHO567"[NI2^6JLE+PC5K3SW!.LMP=H39*\(LD"0[1(4 M.P19($C_3K67M)/+=*!P!">-! M.H!I1]'86G%61/,)S_WO>SWXVXW"-J_;54?,'=$GN8.T4#-UA[-T6- YKAO< M<6 87R3G<+U17ROM3768+=D"9Q9ZP]Y&Q=:IW473I NW+P*"-L+)]Z#)D.%K M0W;!>G$_Z[[EQZ$\RGIQFO7A,]I7=KV#;AIG21}>YC;E@3O*SAV?7E0TF%QP M;Y(O+)3QTO(Y#TE:,VW;3-VKO,[45]W}CP"G]VX M.6-LII:O4WSPCT=_0Q'F=(F:+EXS:G#>"#KQ(C=:K?UJG^3]THVU?-0W-Q//TT))8GK!-M0&!"%JYM%C- EJ5'QCR5UAJC=!/H^5\IN7]P";;\Y^0]0 M2P,$% @ IC5G6=9UQZ>9 @ O04 !D !X;"]W;W)K&UL?53?;]HP$/Y73MFTK1)}?A!HRR 2T$W;0Z4*VNUAVH-)#F+5 ML3/;@?;_W]F!C&J4E^1\ON_S=V??C7=*/YD2T<)S);29!*6U]2@,35YBQ!_P M@^/.'-G@,ED!]>06WXM)$#E!*#"WCH'1;XMS%,(1D8P_>\Z@.]{!C^T#^U>? M.^6R8@;G2OSDA2TGP74 !:Y9(^Q"[;IA/I^!X\N5,/X+NS8VO0H@;XQ5U1Y, M"BHNVS][WM?A"' =O0%(]H#$ZVX/\BIOF6796*L=:!=-,; [PJ7HTB>/27_Y^N=3C/ O4P5H^=/3_*YO1]9F.AX":@R*>HM!]N%=/(P"GU&?=NK3<^S9 MD0Y;.2"6L,TSU4CK8$%YLBW L9.Z3W+>%KO0TD%4H*:E,L-6$<-IE0[Y9V MAWC82X<#9\2}?C^"1[GB0F!Q' MQ,H"T M=SU_E/7,@QNHM:(;QX=4GA44O1^]CXP6' E[_MKL[,S:9IVY+_PMO!=L?T MADL# M<$C2ZO!@'H=EBT"ZMJWZ K9>DQ>K.D^8K.!=#^6BE[6+(@#NHF=_050 M2P,$% @ IC5G68# \228 @ R 4 !D !X;"]W;W)K&ULA53O;]HP$/U73MFTK5++4_(!2PB 2,3>M'RJATFT?IGTPR4&L M.G9F.Z7LK]\Y"2G3*/M"SN=[S^^PWTVW2C^: M"//22@=;J'J;JMXI(7&DQ=EDSO MKE"H[N;-H\G5T-4W M!=\;X;LU!#*Z3E5*;G&;%[S0"4*!F74,C#Y}>(U".'"2\:OC]/HC'? PWK-_ M;GJG7E;,X+42WWENBYDW]B#'-:N%O5?;+]CU<^'%,B5,\PO;MG80>Y#5QJJR M Y."DLOVRYZ[_^$, Y? <0=(&YTMPE4JRUH5TUL+FA:;= DCDMW M*4NK:9<3SJ:W\@FE59JC\4'2(_CPP%8"S=DTL$3OBH*LH[IJJ>)7J!*X4](6 M!C[)'/._\0')ZK7%>VU7\4G")5;G, A]B,-X>()OT/NF[-]$H_'A"[K"7.SS% MGB()@'DM$-0:>NG'1)ZD.2[RH4!8*T&6Y'(#UEUYYTO^ZZ4P8VKY69<7D[K'! M>0)G@&!DGAV[&8KE"W5\/,)<J+#@=69=-FJR@PG,F_H//7!*GJ@U5F;-C\'^@L-.J MKS/;G[YKW^=;B")_F(PI2/P+0MZS+1G"HN9,O!3#R$_&"42A'XT2>%#V8+-_ MZ\0U]H?C2Q-#/$0*9J:5NC]=E^3,U;=[Z4MS/NCND-MEP8$K@D:GE]>>*#;N=$NK*H:KZZ4)>>HWCGY4&;5[9&=/"UD;;]4^K((D>'9\%/O:>4>T7K9\CX_H/K4/AG;1R%*)!4456H'!W2]X36XV-MF8_O _X0>+ G-OA*'JT_-\WOU2]{O2"46#K/P&G$Y@EN4TA.1C'^.G,&8T@-/ M[6?V^]VYJ7@%K=:_BDJ5Z^'>0 5[6@GW4=]^ V/|>2>K}32]K]P&&+9+("R MLTXW1S I:(0:5O{U> \G@'G\ P [EBO>TC4J[SCCJ^71A_ ^&AB\T9?:II\F M<4+YC_+H#)T*PKGU'18./A12[+F_)0M73[R0."?+R!&]#XK*(J5FH&(_H%K M>ZU<;>$756'U7WQ$LD9M[%G;AETD?,3V&MC\!!:S[ )?.M.:JGSH5KOA"VE MMIU!^.NVL,[0N_C[7+$#5W:>R_?*C6UYB:N FL&B^8+!'O6K9!J_N: T&Y5F ME]C7C]1[52<1] Z\ZG/Z+C*&54.!JW5FN*CL!NF6'38%FO&I*61X] M2>])87O_* [S37$'5(3CK8J8"\T"ZDU)7=80M*.2Y!:[7]V:)HAT6EA=$,S<)IFWIB';);!N:<3G31W@V;?CS +?5# MGX_> <4K>#L/A)7P8L>^YV0M*+'%'T/AZE@=@AK$U;)QN^U%1:$>#IS=KFO1H M? "=[[1VSQN?8/SO6/\+4$!#!!0 (*8U9UF8TT6M1P4 #<-.9 M>&PO=V]R:W-H965TVT0E4DO22;Q? OT-*L>5+W!;=!UL4-7/F#.=."\O11 MJF]ZCFC@J2R$/O/FQE3#;E?G..%WO/$+9_-C9WHCDXK-L,[M-)^K&T5OW17*A))%8>2?PA>.C;HW!>C*6\IM]^3@Y\P)+ M" O,C45@]'€ 2RP**T0T_FDPO95)J]@>/Z._<+Z3+V.F\5(67_G$S,^\O@<3 MG+)%86[EXQ_8^)-.O%P6VOW##8R,;>) OM)%EHTP,2B[J)WMJUN%'%*)&(7*\ M:T..Y7MFV.A4R4=05IK0[,"YZK2)'!F9TA>22AK?W,%R@<C[M M&@*UG[IV W!1 T0O S@DQ1FKN%Y,<')IGZ7R*P81<^,+J**@=3=8=2 .?(B" M*#F %Z\\C!U>?-C#O\ [']VBA*@K_W^5A#)/LA;&$,=<5R//,H\S6]!_1&;UZ% MO>#= 8+)BF!R"'UT1X4V610(<@K7%2IFN)@!$Q/XP 43.8)S 5S!G%Q/3S[3 MRUOO]OJS=PSG6J/13OJ*LS$ON.&H] [EXF,3]'.%2EA43R]\TR T:TX9&X6@H M1T-.3Q8M&FQ-HUC3H&GK%$748#E&M0]K$WR/>3,,NMD8P/#@A4)IR0?-RH4E?'P_)>RO91'B/F5T3ZP5NM-83>]RKW)!4'LO,\I-B.8*<4C/,#W30;2#+,<%GSEY0LP72]$P5MH? M#,+Z7?O<]*QP'848?,3WL#Z/Q+)+(!{:5A0O-H12WM!3.P?)HMI5>O MO^)_Y/S/4N=:,Y:!L@;[H>F\PH&? DA{1P:]>G+RE#,HA)*XZ3QNV7)1TJ1>$(M8C_H2Y$VQAA0W%UEKB+7L2*?R+?ON4O?CI).0/VX*-S60ME\E';"]<1/Y;U/ MEG6%;G\IEAVWFIOK]RMS$XVVB42?[GXC6?:F. :=H<%&? $M;(KGU(Y8K9S!6B MFQ'4?*"LMPVTV\9+#*%S)<@V5D@_M(=P[[/9.M 7YIS5YX/MF M9ZD9..OKT69(B%\%)3KJ"F HH%L=\XT M@'0 84*_0;"3N-8X9)FMA2 (*-.3I$]Y'H09W,V)45U&+=DDSB#IAR0?10'] MAW$$7YCB=O7:38 MT.FXJA.?\CD3,W0X@@ZMFQVLG0)\.95/PJC=ZW13\-OJPN;!J{T.W:>#+ZZ M RQ.3M@#]?#3@1+9$I#1 VP'OTHU$X$LD[20&2=_DM@ M$ZYSFT! NKA+J$<8KR'M#.C_N[H[#,+(J8>V2;YVY7"C.%U7>+%\SE=-95"6 MML71+0BL8P8=]_V*0(T2V1+3U@?A{B@G';*K9TY68D&=- :*MW9=WKLM@[S M):J9N{)8FT2[/M>O9E>WHO/Z,K 6KZ]4GYB:D7TR-R75H).E7MVAGE^,K-S5 M8"P-733<<$XW.U16@+\Y/I33/+], ZJXX^@J02P,$% @ IC5G64_@$CQ@ M!@ MA !D !X;"]W;W)K&ULQ5A=;JLV%/TK MA!<4#:#&DJP/*TT").FZ%4B7{$FWAV$/M$'3'1"E1{ZFDV:_?N92L*WC=7O9 MBRQ1O-_WG"OZZ$&,SW8EA&-?:M78X\G*N? 9P.K7E2M3<'NA6-'BSU*,F#H_F M;FI;(VCEA6HUC<,PF]9<-I.3([J\94Z.=.>4;,258;:K:VX>SX32#\>3:+)> MN)9W*T<++TY.CEM^)&^$^M5<&3]-12R5KT5BI&V;$\GAR&AV>9;3?;_A5B@>[M<<\HDH76G^GA0W4\"RX4TIAZ>M-B7M]RQ=*V/VCJ8-!$IN6@_*S M7GG\@O*"?=2-6UGV8U:)ZKG\(%.Z.WL9K;_BG0IO1'O 9F'.XC!.=N5=@:/ MO+]9"_K>B:4P1E3L7%MG W;.6XE$R+]$%, K(UHN<<.,BEVZE3+LU=KA+'LG M,:.FT[8Q@OY\NK#/HK3^VI:>WGFRW3G@[M"TOQ?$%@++"W(O)R:L?HBQ\NR.V M9(PMV:7]Y ;XK3HEF%X.WE_HYH[="E,/<6SS>+?.VY5@2ZV 9 E5COIB@#-2 M9AFLL%+7K6[03Y8,#SEDX@M8Q&(+Y5)[;\H.F6*F!CM9(5I[=G7*&/!;LA6-A#A$N^^O/9"NK.P9/<9 M>LF)>@%[ZX9B[T0YK$1^9?;]_A]^NW6/1<$LRO$;!\DL'#?(!CD2R-Z70=_3 M M%SG!3!%&2,_:E,W.BE$6(I*^] 22H A!]DBF,TBDD\1S <0 M3',GJ6$VBYH'69+@.B_ %6@V$.H]!D5+A(16LD_[HCC%=9;G[%.[-*_5=N[9 M$<%0[67E?2"ZBO81.CK/<'VRO%=K1*GXP&?>?]\V"N9IAFN1IF.JTR3#-4S *DGPUO2=G[M_X.<7G3W$-CH%UMJ!10,%KX"'=,+)>]\"_945111_PM WG!%*/88'XFE)ZR6 M/_HL1D$>%:Q(YMML]1UIA)/&?UL\,Q8%<5JP:!X/ 1!DXB /8]I&\V>PVU:+ M/6*-//*.EA?QKKH,#TVINJIOGAUMZ'ME2W-0E,YM$.!Y+SK(\=VH M%%4&WW2^,V]ETV4U^\GHKF678V2DOL*G36=M[\@OV@F6LUVXSD9<9}^-Z_,5 M1H$@ WV:KY_2_.3,-JSO-O'?@;ZGV@%8]4XVGL.A?F"^/98%43;S_9+.=FL@ M-'0U,DIU? O7#/({BM^B8%/BM"Q)!JE/"LPK0&*#[1A4.D5R\,59%H>, MFC]C^) 17F,>{E3R)O^7-E>L{[^L?/U$:O&7A1$$ R1_LT(F(A0X,^M)M! M$=(K&"),3ACT'.7T!E6(OC*8(, E[]#-I]3- Y,74N.E;]?2BV81 M\L4Z4E)T"]]P'#^-MZWSO.'D+[AR&,#5E\-)A1\8WG%X8LLW]VB+NHQ [^Q MLJ*8@L92,O4]WZ?^'@^OO2T$2L9)X@7QE.I'I?_F]-_&4> %D\F1%1]'@/N1 M%1? N5>P%TX3>A,2P0ZL=(2;}[Z5VPD7#Z,1OKB0M.9(7D^.'"*[M/++#,.=I75 MV#["Z"\NJ+,>T(#ZIJ7!_ZZHJ>AI&>?KM>)K]N*G$BN.V\ZL*>6CA>2))K]' MDZ4RVJ" *-? >DW)/)ZDW#5);)5P^=N4.@M+A+DX2FO#^<1KMZCS 28WG;W"$ M.$>QQ7/$P^7CR%)GC?XU)$=M.WY46R!T3Q-C2!*W5 B MTS36R\KJV+%.>=,;69=@,X)K/>T1@2UP'@-6&]Q(PN8S3*WQBV+[P(>A15N) M$H?9 Z9V),$K[%TL9M/(0NL*@0IV3QU^C]ML[&L*PV+38I-M!+]UVS541]+< MH#EDQIY%A$0=F@5{$$VN"MPGXZ(BS*;QG]5,T<1W2TDFJWR)ZX?&'?TN0]1= MU>5QXR%M&LFME9(%?.=*@!'-(;NBJH@>5/C,_R,T8ZT?=ET>;0Y'5*5_\+V MRH.&+ <]EMN98IL;Y:HN/;5K8Q-HXT1\.>B9"V$R'MGP@/G?N[6$]3ZUHA^K(,Y MH/<7RA\W$+ZT17'N_M#AL(LG0\ER6VOME91&KGQG.R_S8OGKA)V0T1\2&EU6J'LEM_D++ >\3H3L#Q>.SA M_P/<-$XL6!<+1WM?N07'^4+?\IJZMC3N@[=]VOY<,'=?R0_B[K>&SSB>L(B0 M\Q6J^L,$M[?*?,^[&R.W]IMY(0U^@=O+#6>X_R !?+ ^2TNQNR$#[(\KL'U!+ M P04 "_"F-6=9?KF-@+ " X!@ &0 'AL+W=O^#*TY]M<(GF6WVO2/,]E(Q7*#27 A3F,^]J-)F/K,]S M^,YQK7LRV$H2*9^LU-49.;SHOW7"#==I*76C$'Y> M)=HHNAF_]I7<(H[W(]HIF>B:I3CS:\P]JF?TXN.CT7EP>8#ON.,[/H0>+VGZ MLJ9$D#GTN"\V-(T:@8D,%GF.[DX[RP,S]/=5<3@/76TP!=)/80LKR .]MIMH MNPG4"X-5@]HKB',D(3[QP>=RJIEX^;:"!MU0-$1@RW4("0K,N7%!V)&V/LJ2 M!D:=-*]0&,]6V$4Q@4=']'^K MJ^O?(\8M0P1>1DHRFM(@'-^MJ^F^+WIKE"M7{[M2T,J&V':P>Y.N[5XU6Z#O^[M3KUC:L6%AA)S"@U:/]{64NV>:A4C:[<;$FEH MTSBQH-6.RCJ0/9?2[!2;H/M8Q\ 4$L#!!0 (*8U9UFT)AYMM 4)0@ M 9 >&PO=V]R:W-H965T[';"QEDFRL@5Q)VNT_"3 QH!#<*2\2D'[/H^>'`M'B0A97K$Y O=(<3 MS3)Z.UHQ]C^1M-HN$,II-=XCS)>L\$DA8S?DJU&]P3! MJ "EB6;JNJNE,,Y&LVE1)DAF4YRS), {0(P$T3O-(OM^C!!JO1\;H5/ IWNZ8 M*-!FTSW1_#N@!)8E@XCJ^5]2CNDT!/+\^L2^+Y'DR:TC1 M T[^BB.VNQV-1R!"&Y@G!!, ^!JA*R!%(<4YH\1L1 \P*8+8!]@J)80P%V!;"' IP*X P%N!7 '0KP*H W]"F- M*\!X: N3"C I[%#V7]Y\<\C@;KP1 1S=G$1>&@ LW[/,Z$Y9\0$X,4QQ['9 M[V0+L_A?6#HOB\ ]I#&% ,>":(H8V7-%7CBKU4)TA4/< DS).BI@@5F+! MS^,D9R@"'S"EX!$1\+2#'(&W<\1@G-!WG.CSTQR\??,.O $:I#*6@C@#G[.8 MT?=G!7_L<$XY)2]\T[B?.HSG++1K897C?9FC^4*.%OB(,[:C8)%%*)+@@W[\ MI >O\>==/W3S]- #OS5[*)2_!I,^'IBZ.4OT//3#?\VS7OB\'_X1$@XW7H0O MAHNW)/#E_+\GO_KAW!M&LJWSRKXK!?X[L(0YQF+LRUXQ$D< MQMS[?]^M*2- \$OA'YO22SY,SB9GQANYAB&Y>_'ZD@,:S7[^R7#U7V0V4TDV M5TFV4$FV5$GFJR0+5)*M%)$UC&S7I&;[VI&>_|659G(4XY6-]PL?^=S+OEA1N M02$688>9X1K>5#N<> {(=&5,W'$S:BZ)LFQCTHQ:2*),PW.:44M)E#-VW&:4 M+XGR'+VE*Y#I\CR]&;62Y>@XUK/\1A\X=1\XO7WP 5%ZPV?@0QPA/D_R)5^8 M\-DT L6R-$)\E;SF\S? O_0TBHIPO+L(OLHXJVW'-]+R>.A5%W*_5-898>3 M"\&^(%N+]9[,.&Y77O<-[Y5SJ?=4DBVZ\F7CA09<:2279HBM?9B253?HJR0*)?HF1)%$]1AK7 M1AKW&JG\F#P6NQ0HNH(^1. 6U0XJ/Q!QSBCC7X-BY?PV/A5+5QWCCMTMUQ"+ M_X:7>C5=ZB659 N)?F.LM]Z%I^8.4?6GF*,D9?,]&D.[^Q7FAYJ%?, MI1Y22;,HRF\OBE0VYZLD"U[5ONJ+:/C&T]WQ? 1>YYSVL3K#T.7C3]52XP7P M;-MLF:=?T*?N4'KCQVC;2Z4&7RE;(_(,-KVDH8Y[@MY-\UF/IO-_&&S56ON2^QF#K);KZ2+ M[::;2;2']8(C=5&KPE; (%\HRZ=I.&#;3;\QZVT;NS./L#,YB<)D;T+4SRB!ML M0W!:N^T?9DVK.U[K[5VH?F$?FT[I#K8D ;.3P5)#F[FJ]-MO0#3SDXH4T2VQ?$V!<7I1WE<4I? 61^AWQ<%QJ_S>N/$-27D@CMR+$]%G^O*\ M_B,D6[[2!PG:!*;T:XJ++)>41>'G#\+XX'UUCQG!:7.X0C! 1 ;Q^@S$[W8& MZG]$F/T'4$L#!!0 (*8U9UFM#(V2*P(-$$ 9 >&PO=V]R:W-H M965T./&8T@,/ M[3W[7.C=U;*E!FX4 \$*6Z?X"],"2MIR^ZBZ3S#4<^'Y #$07>2**B\199FB58=TC[:L7DCE!K03AR3 M_J=LK':GS.%L]E575+(_M&^1+- "*&F:0*M%:@P%I^Y-WZ O5FOH.HC>W8"GC MYFU"K%/@>4@^9%OUV>(3V>Y@.T7QU03%43S_%TZ<\%%]/*]/]_B!-^U?D8/ M3# +Q3$Q9\''^NB]-0W-(<>-KU3O V>M7L\OHXQE!\U':/++#/3TG+<]5*RV2% MUHJSG(%//Q]<$+]W(,RO8WKG[T'O8M2[.-O*3;LUK&!N,"(=(=1*TJ5F#&M"Y MOP053%\#M3./Z>Z9/P1F_PKLLEE"=H=BR,$-]J*28,XE X33=]?8*3[M >H=]YIP:,;?*NA$(9NW>'-_^P)V72MF]X^=@?,6ROU!+ P04 "_"F-6=9 MT_0N\,D* ";B@ &0 'AL+W=O]S MHD@:!_!_II07 DYFM_>.O M02(T:@=VOID7$R7VYT'23^BF'\G52YQ\35><9^3[.HS2Z]XJRS:7_7XZ7_$U M2_C#8_$=Y[B9,TR\319]M--PMFB.:+0.^_1@,.ZO61#U9E?%MOMD=A5OLS"(M^U"TNUZS9(? MSR,7ZV[6N]UPV_!>?=G<)9?Z\L@C6/ MTB"-2,*?KGLWV4_+:H4K_@CX"]H[3'W\IC"_-G]0$/^3S+"2^.Z~M//,['H:Y);/C6XGV[C'SAO7'K[U=O'GQ9AY9RN_B\#_! (EM=]R8]LN!/;!MF MO\4O+B_?T"CWYGG&8%O^3E_*U@QZ9,]_L7I>-Q1ZL@VCWE7TO#T2M@:Z?:*"7 M#?1F ^U$ Z-L8#0:#$_MTK!I_&S;8%0V&+5]#^.RP;AMA(NRP47;"). RP:31 MP#C58%HVF+9MH U>?W*#1A-M>*K)_H>]ZW2{7E)T,9-E;'5Q"\DR5\OO/Q! MT4^+]})G!5&>4@]9(KX,B';9[",Y1F[FW[9!&A1=_-!/Y-TL2EO=S\L'D&0O" M]"/YA? 1)NF()3TD0D2]1D*5G8]-X_/LJWJ8L6J17_4SL3HE[YYV5H:Q=:/Q%-.M(Y_C*%NEQ(H6?&DO:UN;[S5WE&WGRK.]\5AW!]_?58WNI*\&3G'-4=.R/Z M0#? (EP>3?/CEXY']NE,SGYE@C%=F=]B/**9.L?GC.1DT=J;^@SP)6VKX@6_$ M[@T*>-@)MMO#JL/GO-?^^N9C]HUWVK\U^>6K0Y/-.?VD#^BVZCC[9@8]\/._ M8XS",TYXM]M4,$E3Z1?-? W\5VPC-^#K]WY%=O-V1P^-D/M'X3#=LSJ][8B21 M\N29]V;__(LHX75,/B9E(MS-IA%P66SSR>9X/SP4*[ZC_7>\&+ >4/N$_[$DX0OR$,6 MS[\>2E'&MT^J#@=QE[Y2[T35+D)B%Q&PDYAP>U\91=0}?H8TNY-=0Y"YY M2,P'85+'O]AW_MUQ]WZS3OUF2'BR%INA4;\Q/+;DM^-CE}\E$&Z7HF06(F M$K-VV.AT3[21X9PWP[G(07O(LEHCD/MGGDQI,D2%J6L6//?>>1#]>Q83JG#=$TJ&:66CT3AHUY-C2@#=4< MJ.9"-5IJD]JA'9WKH\:@"AK31VERQM06735EQN26KKK\&ZR [NFYYJV[=.1&0 MF@G5+*AF0S4JKE0C4(U#ZKY*$W.+;W*+1V_VEB:J(Q#:B94LZ"-#=4)*N@DT^\IOS*&-+7JS! MB(=\$P^ZS@_53*AF034;JCE0S85]%*IY4,TOM6G]DOI^W"IG4[6,KZG7\;NL MI:BISMD#7:N\:A94LZ&:]5.J\@'MC?J'QM+3:PE!2A9\'K)D=^5=?.%\S1Y# M3C:- !FT76M7[T3E+QP<+>N/)<-RX_F=*@U10S89J#E1SH1J%:AY4\U&:G'Y5 M$8.FKF*XBJ?KO%CGY&@26I\ U4RH9D$U&ZHY4,V%:A2J>5#-1VERJ79#[7;..FCUAG98 M<:& ALV*'PL:U(9J#E1SH1J%:AY4\U&:_-G5]HI#5U=QO+$FK6[=-6F@F@G5 M+*AF0S4JKE0C4(U#ZKY*$W.K:K>0}?P@T,=6@4"U4RH9D$U&ZHY4,V%:A2J M>5#-1VERQE55(+IRS;LQ."P&A+LKB4P6-*8-U1RHYD(U"M4\J..C-#F#JE(.75W'<8_YV* Z2N?<@E9YE%K] MJ#0QC*G6+(Z'1K6AF@/57*A&H9H'U7R4)F=75,^AJV_UT%Q- _ND/,JK<= M96+P5YM3G9P8{]&&0_CN82M (#JIGZX8T0#.-I/ @MP(]#E1SH1J%:AY4 M\U&:G&M5 8.N+L P^35A^2VZ\O,3%R'FP>[Z!(L6A*WC) O^9*=6K=1VYXR" M5F= -0NJV.6FO.&, PW10C4*U3RHYJ.T.:&JH@M=?2\+&E4)%409BV9!7C;(MTI2?N$P!+;B :B94LZ":76KU:9YVF$30.@JH1J&:.!J5\E"8G455'H:OK*I]) MQ$6,C/#O&QZE_&@.0H:[" M@-950#43JEE0S89J#E1SH1J%:AY4\U&:G'%5786AKJLXM:2UX&FPC(HUXK;+ M6NI(G?,06G5A'%9=3*:#_%_C*B$TK W5'*CF0C4*U3RHYJ,T.<5]?RWCC=MI M'"P2_XVU+'6,SLF%_0_:A_48S>5B:$;JCE0S85]%*IY4,U':?):5<48AKH8 M0YZBO?592#*76.7^@-1=0S8]J-E1SH)H+U2A4\Z":C]+D5*LJ,XQWN+&.+:V^ M@&HF5+.@F@W5'*CF0C4*U3RHYJ,T.>.J*@U#*7:6QSSA69=S9ZQ RVJX?Q<@Q M?GJ=K+6>H4&+.*":.1S>E,.8;,-)\[8<%C2L#=4JN5'-0C4/ MJODH34ZSJKK#4%=WR#.V- FMIT.H.J&9"-0NJV5#-@6HN5*-0S8-J/DJ3LZTJ M S&F[S!H@]:"0#43JEE0S89J#E1SH1J%:AY4\U&: _/=ZJZ*1H,IHY'TF;>]@ M 75,2]IFE5I^TC?3I<#C6&Z-):%@;ZC0S85]%*IY4,U:?*%5;4B0_77?(%/ MVM3Q.B<:M(ZDU*1)VV1R,&F#!K6AF@/57*A&H9H'U7R4MDNS'KKB/#-9QF97 M:YXL^1T/PY3,XVTD+QL9+^5B E:? M>VRQN]US_8[FB7KI9O[U?,[&K+EOPS M2Y9!E)*0/PER<'XA3@}]L%SMGV3QYKHGWM5CG&7QNGBXXFS!D_P%XOM/<9R]-M/LD#O,3)UV*W9_\'4$L#!!0 (*8U9UD'^;T>#P0 %T-.9 >&PO M=V]R:W-H965TV 2=! MT 72UDB:[D71"UH>6\12HD)2=O+V'5*.Y-24-ECT)I$HS?";TV]JNI?JFTX! M#'G)1*YG06I,<16&.DDA8_I2%I#CDXU4&3- XJf:A+A2PM3/*1A'T3#,&, ^# M^=2M+!=5*DLC> Y+172994R]7H.0^UE @[>%|IY-C5T(Y[.";>$1S%.Q5\@7 MUE[6/(<-{USP&,R*;,B1XBM?FW06C .RA@TKA7F0 M^U_A$-# ^DNDT.XOV1_>C0*2E-K({&",!!G/]__LY9"((X,X;C&(#P:QXZXV MYM(XE)<45K,+KRIHV!-6+XF]YRM MN$"GH.WS,L/ULULPC M]CMO8C>]YQ@VN?R()W^FLM1HJ:>AP< L7I@<@KBN M@HA;@KB#U26)Z 6)H[A'GAYOR=FG_=N0LQ+G9RX3D[L_/9;_%Z7&E>T?I>A MO^]QC7PQD.E_?*B5R[[?1VR*UVP!&8!3I$&M8-@_O- /=!CJT@'?;]UWOU._=:%8@87Q-X08706&5;=8GMH+!<D MF8+<$-;ZP@=4N1X< +5Q//$##6GJ@02?0 VB##6H;*L$\?! A\'UG RK$$Q0._M*;,T[P<BU@##[V0$Q5*9UPM2"&;#QX0 - DZ!*F8N2 [&:S(\ >E-Z* E%Z,: M9=2)\H>K0YV 0R5:&48G#)2.Z,C/,*X9QIT,BTR6-@L&J{J#5NAI]@5"@N MXQ5$8^'#&)SB#0:\7^7$F-U0/,U)(Y60%U;8IUQ16WCH=?!ZS]" M!'K;*U&O!:$16MHIB_/[=Z&[/K492=XGRC_/SS03EG_M4>9&L>E')-L+-CXY0HQ&48LDTT:3;,4\.BP,#\\)?F-JRW--!&S05W0YPH95U5F^NC&R<.?G ME31X&G>7*7[_@+(OX/:- E.;MQA[)ZR^J^;)02P,$% @ IC5G6>DC)X=L M @ 7 4 !D !X;"]W;W)K&UL?51M;],P$/XK MIS"A3=J6-&U7-M)({08"]*&J9>,,#XH.,?!MKCIWYG';\>VPG#06Z?DG\'

*GR:W'.5<^M66*2 Q6$4<1ALW!.^[/U5-L;@V\$]N*HC;0GUXS=`MZ,Y9O'\O2'(()*: :N?':P@RS21VL;/BM.IE]3 X_:!_;WQ7?ERC06L6/:=*

MQ#)=.:,'Q;#!VTQ>L/U'J/P9:,Z(9<)\HWUEZSDHV@K)\@JL=I 36O[BVRH. M1P#%TPX85(#!?<#P 8!? ?Q{@/%#6QI6@.%35QA5 ..Z6_IN A=BB8,Y9WO$ MM;5BTPT3?8-6\2)4GY-+R=4L43@97, ,Z:8$>HN^8,ZQE@V]"D%BDHG7] M-,2E&U5\RY)O\ "?CSXS*E.!UC2&N 4?=N.G'7A7^58[.#@XN!QT$EY"T4,^_M]P8-O,&P93^Kl\/J-G?^,;??U?Z_>"(9?J^T;/K3+$$(QA?A.E(=4LH!Z$=A#:(S)WC$30:0/,D@\-P4:U8*6;&]GAWMV14Z9M@9.$0X<.$]GAWMV14Z9M)>N6B]32.;,MHD"VV2K2V<1-<6Y[<4Y^>?;U.GP

*M7!ELDH6/^/:_;1,E'OJ"C6O!QIU./>49M00:I>J]]@;]0A^)1P7*8FT=00: M8.2^($+/KS#%,6Z3O7,?SY7=)EEHDVQMB.YaZ]06<_*?4N/$IC@VR4*;9&M+ M9 UQIK4XT\Z;=@Y<7Q>M"]J4*1.(;'US7Y9L4\.FZ\]=X/6\T=S='8>ZU6CL M-3[!)B;\"\RZ%3.IC%DK8O>4U/KW1M?]F>K M?LMX](KDL];]0U]6V\)Q3P@5*

*(.-6LKKC=5#@)=5;]F1K#!EV363*JF99JH* M?>#:0.UO&)-'CEZ@_NL@^ U02P,$% @ IC5G6<`D5;2 @ C@H !D M !X,"IW;W)K&ULS=U=;]O&@L;QKS+P'BQ:("?6N^2N8R,YR4'31LD MZ2X6B\[V;\C&2)4W!_OAEY1HCT:BQV+[0|A>-'9B_D:R'VO(>4CH]B'+ MOQ9+;TOQQWI5%F_.EF5Y_]Y>3%?VG5#*7F]OOGT3.S]/ M?_$1N5N6]5^<7UW>QW?VLRU_N_^85Y^=/RF+9&W3(LE2D=O;-V=O^S^9BUZ] MP?8K_CVQ#\7>QZ)^*C=9]K7^Y/WBS5FO?D1V9>=E3<35'] L.[M:U5+U.'YO MT+.G,>L-[S]^U-7?VR5=/YB8N[+ML]1_)HER^.9N=B86]C3>K\E/V8&SSA,.U M-\]6Q?;_X]'YVMZ9F&^*.ELW&U>/8)VDNS_C/YIOQ-X&@_XS&PR:#08'&XR> M&V'8;#.|\V& X?6:#4;//Z-2'-&XV&!N,'AF@TFSP>34#:,:-!M-3-Y@U&\RV M/!WV=CV/[LXSB,KZZS+,'D==?76GU'!M ;+>N?H1)6F?W6R$#)=V$7+!B[\_45@^_/.3X!T<'C$!T>!,$/B4%O,!+%,LYM MT?*PWH4596]>BUY_IPS%;Y\C\-'+#P%_Q&GU*9;N/$+Z]?`MSONT*--]7)1MOT43GC2P_Y+3U]%E<_VOE)ZC=(\MA9&AYG(S[\>S## F!> ^ M4YQJ.[4;A!@O[.,GWX3AUAV&?A/<-UO\U_5%XCW15T7_]WR**]WVJA=]Z> < MGXK[>&[?G%52F'S;_:LZE__I3_L_5M;ZD=L(C%)8HK$-(D9"/.2-WI*WBBD M7_V6QNLL+Y-_VH58),4[V!3^KE\'E:Z)([&(Q^2)]1TVV6+U?MRW]\E@V.OU M+L^_[6?I^,MF_?'1EQGHH7DI&3^E9!Q,R?;U*7EZ?7HE[K.B_'N9QVD1[_8# M;_-L+>P?-I\GA179K7BH9_+V+ 7'ZI]E'7:O]]WKO>[U_>]=1(XH24R1F"8Q M V%>WB9)>9I.$_8N6Z^K4'TNL_G7M@0%M^Z.(!+*2#2E*(Q36(&PKRD39^2 M-D7WO*9D\@L(C%)8HK$-(D9"/.2-WM*WBSX&B>/)\M7(K6E^'%)F\.E'\7_*

*M/G_@=+WCQWLSWW PNAB/_;GO7?!1= T9B MG:<'QY[HJ!+5%*H5#.4Y@=MX((V.&WW!#Y/O+@5V!PMLM4JS@MQ;_-=XNKH*

MN;7XUO@%!^P.ODB2[SHYI"-8UJAM+\6+FU_GYXL?^SG6^J@P51[\>UQ@M=Y4>U M"-4DJBE4TZAF,V/G"L. ^F/VD $M!U M0C6):@K5-*H92O,CZ+[J$?KA, ^)AG MG3\.6@-%5H,H)!"8UJAM+\4+EVH!^N!WZQI9C'Q;(Z_MR] M?+4FBES.?M<_71"?C5LCA=8]*903;..:H30_4]XQZ(0CD^IXM$]:H5-.H9BC-#Y]K*

M#P:A]N#HTI=Y]LVf6E'JRQ.19F);_%J8T5]V6K6FC6T3&BT^BRLO;"-#K.& M%@FHIE!-HYJA-#]KKD@8A(N$_=VIZC7L;?Z[^#E9)V7K1NFN6&FU_P>R9

*M\SW0<26]*533]&8HS4^3ZQZ&X6L09%$FZ[C;*Q.W<9+OJO|;8X5V#HVV_Q)U M,6U-%5HGH)I"-8UJAM+\5+DZ81BN$SI;/,D6R5SY.AX='OY-C[E?2CY?]:87#QMVU];+6]1<\7H42AK88s]!:AFD0U-MA6H:U4RC[2?L8/_$CYA;_Q^&U__?IW6#;A>1+8IZP;6^2<)#=8RX?'[1-2QV MSA=ZS0&J2513C;9_['*PMJS1*

*0VE^=%RJ_O#C]O[<9INJE>N:L^/PLO[G2;9Z[:\H0O_ MJ!:AFD0UA6H:U0RE^:%T[0+4(U22J*533]&8HS8^@*Q%&X1+A MI4D6+0U0+1H=+WX/UB=9M] -8UJAM+\,.V\[4"X-CB89*]M^6!M*OKB,;H0 MPXGXD)7+UE.WPV[GF*'- :I)5%.HIE'-4)]?1=P\W!"&TP4"U"-8EJ"M4TJAE*\R/H&HS1*3=&ZC[HD5& MH[WP3E;HF!+5%*H5#.4YK]!FBLHQN&"%G!->?$_FZ)>4*YQI"P~_ZH^B=LL M%W%:O1"6MGH I=B=#E0?[QR|CK]7*XG:.KB IY>VOGI;B.1?PI$\UNCZTV1;$'-,?INR6W6OBYQDMAO/"5IZH%|$:A+5 M%*H5#.4YQD?0E1Z3<.GQ)R9=M.%*

*M0C5)*JI2>N%,8J1:@F44VA MFD8U0VE^!%W",7WA/3(Z3|HAL',(T98#U22]]6GKU2L'5Z-J=$Q#:7ZX7'LQ M[?1-Q[6]2\(T2>_$ASB?+\6P_Z]>>X>M*4-*

*+#%2+4$VBFD(UC6]&TOPTNK)C M.F)G6[3:0+4(U22]*533]&8HS8^@JS:F?^K:CGE<+,5-O(K3^8MG|85'Z)S* MXRL[VB_L0(>5]*903:..H30_<*

*[(F(:+C}(,9N+XO0FNHT/8"U2)4DZBF4$VCF]$T/WFNY9A.V=D6]310+4(UB6H*U32]&4KS(^@ZC6GXO3V.WZ-OE67Y[E2]*

*MEXYQT7:CT5ZX@*Q$ZID0UA6H:U0RE^2%SK<6TXYVNY0'|21%#NXOI*2OZ$3[F M1#6%:AK5#*5Y$9NY[F)VPH49WLU7=LFI;V5U'R>+^BY6|2%$6\S"=->8-=I! MS"X.8H:.*5%-H9I&-4-I?LQ<&S$+7X9Q2LR^)FEK.1.F.|>LWQ:S\6',T.8! MU12J.50SE.,'S#4.1W#CT')(^O_I_GWA1|\YR6B|@6H2U12J.50SE.8GWM4@ MLR%Z*#Q#NP]4BU!-*

*HII"-8UJAM+|\+KN8O9VY/|^%M:0XBV'XWFS^C] MT>&,CK8.]f*903:..H30_7*5F{5;C<.:-RZL^/1&>'A.D?V'^O-7W_6SO;T5N;ZL$|G]Z.S@[KJ9I7WYU>5]4EZT.Z_KT[_RY&*

[Y\$F9W=>DN,G,EMO/US;>&'S^@NJ?'[_-LO+ODWJ ARS_NGUX M5_|'4$L#!!0 (*8U9UEO(0N ?@, +H, 9 >&PO=V]R:W-H965T M$JG;:K4GI=2]V>Z^ M=HA)K +F;--*

T]I.?;2@EP:!&ZI L$P|SP^X\]8S/?, _XL=H1(\)IGA5@X.RG+ M*]<5R8[D6%RRDA3]2M!&+DYIH6SG)M[#WPY9Y7, M:$$>..!!5GF/^^RO)V'[A(.?MQB/=[]2 ^X2[G)=Z2%9%/Y0-7([>-

*LJ$Y*01E M!> Z0T73C7Z.H&=~K!6/RD9"\ZUT!+63/VK =_;Q8.U$0DfXG4(;#Z>R$W),MT M),7Q;Q/4:= ^I';O7;I& &2%*S!H+V_TX:0:&. &WX3AUAV&?A/<-*

*Y)*2)8WSMHIT7]CU^;1'0<4##@X#4.WD<=_,:!9,ZMR8RL M6RSQ9>/Y O/=4U9FT*.HC!/8(MNDZO1(D3LG!4(0K"7XBS_/,%,&_;/(^*=B!6+\5ZX]%IXC-S%K@9BVP=%*I M 39KX(4JO>H-823I,JK##$NR 3AG7-+_L"Y<6X+JMT;FK;KOO"QCWT=S]Z4K MO&^$#!A]K=6!HJ[5%)RDB*TSNC6<2DE2<4X*:2.NHX9=F#@^)K89!8$=.&R!*

MPU'@.U9L)Y+P'+!A=!MQV(.9AE%\1-PWFLVFT$X3T.ZOYDX(=2)VU4F>$:,F]7-K>=:?`MNFEX-'-]&Q3% Q.7MVKB$]1\MQYC&\EQ5?2-/-1I3P>X'+YOO/"#E9P.H5MW

*M1]BC"6+_B-ABA'Q_(..H-_W9C2Z&QYW M]XN3%G(3^R#1$!XW(8M5B.! RT3O&RT:WVD/5O.)W/V-TK=P]ZV\:8_;1PL M]:G^\RWM! **U5N\'*J=//ZH%P/)"O-67/-*

I#]YFLN=^K@@7!NHYREC\FV@ MCZ_MY\KR?U!+ P04 "_"F-6=9;$QD.:$$ +'P &0 'AL+W=O6JX9>N-SAO;._MK2E+E@)7]' B835U/OH7L3 .#8H>?S'8]8-CD@_E7HBO^_M/:B(.#

*(*S9PR"RB X M,O"'SQ@,*H/!:ST.*X/A:SV,*H/1:SV.*X,BF6XY6<5,AU33V42**9%Y;T/+ M#XIT%=9F@AG/E76GL:G*C)V>78%)BR(GY \]?7ELO02/.-E0*X%UQM%(KZ$I<4^;++<_;!%W MS8CKB80=P[X,6H%WD(7]P.N1P N&EGCFKSMYN'L##FOL\ M,9>#6D*#@C=X5D)* ?1{(:4>"4$M),N%NO'/E>E+/FM(U;\VU93@#H1V<%]4+ ME=$%3!U3-*

*17(!W!FO_[BC[W?,"G#A(68L @3%B/!&]D>UJD>MM%G?V:0%PF^ M)DF9;)D7[A.Q.MD](-3H0/>(TM0D'+@F8D56C%. ^8#0AF5"L%$7TJ/-'TWT" MYG[>1@52<*M*

7@A';T"21/#UB0:9E@&H'N&@;0)IA745"&9D$69D,5)D#8&, M:H&,N@DD8?2>)4Q_ZYFGF91&%=T$ZR 8V)Y=\U945UW@-MQ15AQA6CQ-70Q+C6Q/B'-<$%QY7%"Z$9G[?O.$\:.,VFG<[!26G<8'?8;-'I$% M,SSV%;<.!09_G\K=ZMSS%3C0D+,6$1)BQ&@C52[7O[3W$/K]96']P M4*"_E5?F[<[D)HWFT^_[QI53E2?,1.MF9*#U!&_-25WD)B8=^\7&[MRR*M M^*YW(2HM1*5%]+08BI9,>[i/>_!69:H/B.IS_,CUULLG\V4[-:>;_/.:5BEMX+ZU9P!SP62.2@M1-M:1&]+<:B-3.Z7QSR1V]65C%70^:HM!"5%]'28BQ;_^/I1^_XI/6UD=?__-*

M_5U1FMMZ^?W@N%Q:>@7'K,C6:W!<>N/V(7:=0O=@KRX%N2YV5159B"W7Y9Y+ MW5KOW'XL]BN/VB_]B[EO:0_]BZC&ULK5EK

M;Z,X%/TK%CM:S4B;@GF$!M9:@NC'6E&4S7S^,P&)T$#,&L[3<.N;2HVA)(IQ M2O@W&&[RE@^S1%],46)^0P M-Z#Q^N AWFQY_1:8?]_=4W%G5BA1G.,Q20#%*_GQ@V\#N$D=Y 6*

M/V)\8"'27(?R2,BO_.93-#>L?$0XP2N>0R#Q\X3O<)+D2&(<_Y.@1A4S=SR|M?D7_*.D+,H^(X3N2_(PCOIT;$P-$>(WV"'7\@AW|P2W=\'#L.GBE@Z1N%MRE M<`'B:#&CY*

!H;BW0\@NIOO06>L59/E&6G(JWL?#CB\|8J,S_""S%%(SV"09D M#>1#\#E&CW$2\UB\?Q|@CN*$?1"6WY/_N W@'X@Q\VY(]0UG$9B87P\E! MS549^K8(;7>$=L 7DO$M

V$6X4CA'^C!OI_4\0:6&_;G%K:P&?>'<%'.LO M8%NVIQC/77]W1T7GJZ*:XY>$\.)D8E\9P.O(OAK(5!HF<"RO"^>4JQ06(

MJP;)]]PUVZ$5GANBC#%,G[^Q^/,.+;^5ND|)%@P)%@X$%@M$VZ5"5>'OKA) M*>7Q?T@65K$Z:5[(1F0]VHO$(,8P5RZ^ G0L0?//Q=/"'<_.IU.]VR8V].HV M@0JF@1.V,<9C6-

*G42'L5;4]+^E/&L9"2 \&YF(+)L1RIZ!9PWLD8/*M!5V$R M,;!MFT"W81,J,*:6FNVX8CO6LOVZPU3D-]N<++#<5R?$KM.\[#99M&VA9#2F" MMI^MNI,&T;;18T%?*

*S=2OF/I:ILNME,PCD=OT#%6_%=QU_ 95AX6#^UV"Y!*L1Q*<)3O@/#S:HNR#98J9V)G7%/Z-M7-NB#WZQZ(-VT":7,J9[-#Z?6I"IXL=V%^G[W8L$;!>.LY-KP%TL^)%H %2VY*

*MYS=%,QO!J=M5.HX=-]2WW#_EH0[.1NA)Z"GTI3@_.;3KJ*KNV49]*H@\$P0M& M%-@@+?;OT 81>E$AW9U!LB620"B@P+@+*!AL2.$ 0ZHGZ+A)@/I=0M\$!?] MZD/Y)0OW51#;*

*[VD.TN#C2H<9%3U1!WW.%"_R6DE*HK9BNPS#D1> M<+!E5$2 \+2R7EGCYM;@PZZUL>V)%Y[']VMRW U!_7;HK":]9NU$-3HMU3I*

*ML/.;]O3#"_C^;]8)P>Q*8;>0+.@.19'+U53ZM3]AMYMMQX?@NO[Z#B>9"? MRLN#WR-\<:3_!=%-G#$AWE]$LJY\4:9H<4I>W"'RBI.;? CX1SDLK++481IKF!-M>+\K+_ >Y &J_U4L_@=02P,$% @ IC5G61L&O!>D!0 ERP !D !X M,"IW;W)K&ULM9I=3^,X%(;_BI4=K4!BR$<;*&Q; M:.C#[JRHEH6=F8O57KBL-U\XH[M4I#VQZ^=A*1N@Z'B[*

UM4I_\7O,B=_$ MPPT7W^624H4>LS27(V^!U:K'|V6RI!F1WQ%<_W+/1<94?!0+'RY$I3,BZ L M],,@Z/L98;DW'A;G;L1XR- MKLB"WE'U974C|)%?4^8LH[ED/$>"WH^\3^%%'U,0-

*'B*Z,,N?4=F:'../]N M#C[/1UY@KHBF-%$&0?!3' YW0-#4D?1T_*JA7]VD"M[_TZ^*P>O!S(BD$YY^ M8W.U''D##W!5FGZI9O?]/5@'J&E_!4%G_1IFS;[WHH64O%LRI87T'&\O*3*

M/%9", 5H3GM 5 5$;PWH5 &=MP9TJX#N;L!+8^A5 <70_7+LA7"8*#(>"KY! MPK36-/.E4+^(UG]QW$R4.R7TKTS']?&$9QE3.O-*(1+/T83GBN4+FB>,2G2$

MJ2(LE=UVGBF3%W)%$CKR=!V45#Q0;_SS3V$_^*5-:D@8AH3%0# K=TZ M*5T7?7Q+I1(L472.$B*7)RCE'>*CHB)K2XB3=6A"(&&XA(7E7#9WP(?QX+0W*

M!^VA7ZED25@KQ:PYQ3P;KU:I4^(+ 2E9E.C%17%/3I/)KQO*T,73J1A^H(M"<,E+.QL2=0Y/=O1$;A'2^]^K7??J;>Y"0F]A-#W0K6L[H)4Z'G+R(RE3#VU MZ>U$'JHW)*

SWJ_4.3SL!>@/U:.E1J5NMJY3H!+Y;OUQGZ5?#UZ@1=7$',:]4B M#M47$H8A803S,K#H,[# /CN.8!,"B0.0\)BO0B5E/,Z>?.?XIKJN8B3#"1 MVE"UKCHOG9!#,W&^?Q,+=RLT?*

*DNC&.BR+.7"H#$7P?L+BYMQ['2@<-Q*BZ%H M=C:VK%X(7%X}(%1}(&D8E!9#T>S41$UJHE>*C,Z)7!\OUD207%'CO8DTZ\Q$ M)^]X-*

3=.XL&Y@:3ABG:^59]"O94Z5)>VY(U3#9V>:SQE.C4K&,% \;N%3M3PA+;G^K/)SM5(>)N^^# M=8>DQ5 T6_?&'8=N>SPEC^^I7!&&92&06DQ%,U.4V.JPS/HR@7JL4%I&)06*

M0]'LU#0^.WOZQG=4KL%>Y1H$NY4+U$>#TF(HTJU8Z5#MY>^TM4?9F7H$@O MOVBKP]!&&I2&06DQ%,U^.|5X\R@ +D\1J%'$'I&)06%06@Q%LU/3>/#(_0+YC?4(U">#

*MTG!%ZVV_\MPM1O^F8X:,QVYS?0WO?!$?YE8L)P1=.29)1']>]V/_MRH@Y4& M+==]@M!B*9B>E<=I1'[HF@;IK4!H&I<50-#LUC;N.W.^LWUB30!TU*_U7-&M? M0+#W*

@^]3UOFOBE'.J=\V-XA-^Q@N4&=~$6SE]3\:7=?;E"#[&]MS.RH6!0[M8B5*S'0M]VC*O>7TIS)HRBG(7;'F@-^K8KYCGC2O&L^+]D9$Z%;:|_O^=

4EOMEP43'%MV+K MRDH 2XU2D;N^Y\5NP;+26<[-LT>QG/-.Y5D)CX+(NBB8^'$+.3\L'.]\/B6 M;7=*/W"7\XIM80WJN7H4>.=V5M*L@%)FO"0"-@OGAEZOZ$0K&(F_,SC(DVNB

*M77GA_+N^N4\7CJ>)((=$;1.,_:P@CS7EI#CW]:HTWU3*YY>OUG_:IQ'9UZ8 MA!7/_\E2M5LX4X>DL&%UKK[QPQ_0.A1I>PG/I?DEAU;6FJYKJLJ\UP7Q7+R-2M9F61X=5\V&:*

*(C_86L,7G2:@?"-^0O MM0-[_-]N3EECR!*B-E* D^7@'BF6Y_(3BS^L[\'9]*5YVO%:LC5LO-/9^LSG^3L:.PA!*WO0C'K/?" M8'.VL1*

;"WIGVB]!0"=S=W_J1%_(#P.O$SJ#BSJXZ'_!967"'"R"O;,K=`R@ M=[-Z(,$;X]$I]\R_P.[+!.',3AUWU/$HM2E2&T_<^Q;F,KT L@B%06PGFG1$ MDY}:Y,%X+13Z-[-33CGHZ6J'-9I?

C9O=%Z=X]/1Y5I73 #'G]9;FI.S?FY(DRBX6):^U(R&$ NR4_ 8 MM;Q1/C-NZ'942^A6!6<;@2T+.U,.V-F'R5OC9U!!<%D&%BGJ12?E>]\?TG'I M/L]|MIRF[WD<)I/5DI:*

(YC$87C):9&:S@9V$.H?,?U1S >\QX%HCY->I><# MDG YQNKW:@?7;):I(+)4#H<&RD=;5#+YVHC<%0@*S,P8PCTV/#K>\4QH!20Y:TJP6J5DTL '2 M8_^CXPUPL)?0?*

*M_RH[!99&*XV" ZMC?Z'B#>^)Z7N7#VI.5..X-'&$X#7MU M;Q&+8F]@D*#'#DC'6Z 9EW'+2C!3!1Y?K(CC)FA$?@ 3MB;Y&E?]V7[AGAPI ML*'VYJ0ED,T2Z3)VYID;6%*ZQ>*

*<[G#$RD(+8#O-YRKMQO1@>Z,N_P/4$L#!!0 (*8U9UEJ MY*]K2@0 .D9 9 >&PO=V]R:W-H965T\%89YNH1*HD9;? /OQ(29$M_M6[']LEGEC2]3]?T?>44>)&FT8_RI6*

*!)]3V(JQM9*RG1HVV*^@@2+2Y8"55<6 MC"=8JE. ^M$7*.4>Y*(EMSW'Z=H()M2:CO.V>3T8LDS&A<,^1R)($|Q\W$+/- MV'*MYX8'LEQ)W6!/1BE>P@SDE_2>JS.[HD0D*

2H(HXC+8FR|AV]6"W:)/ M ANQ@>00QSJ1%8 .:UA"G&L2:H?WTJH5?G4PMWC9WJ8 M#UX-Y@D+F++X+Q+)U=BZLE $"YS%\H%M/D YH)[FS5DLE^-'6T=\TS(5E2*

*MBE4/$D*'+?_R1#.2.0'&:!5XI\/8%W1<$G5+0.=9#MQ1TC_70*P6J8P7]4M#/_M8U\$*X^TCR6>C#C:(*ZM%4T?YG*U2K A.J9-9-<?25*)R>S+$UC4%-%XAB% MA&(Z)^KHEA;35B?*

_+?J$.<=Z!J S'R0FL3A7K5]F/CI|($+1XXIE M-(MC&RINJ7A|KSLPDW1!>^%+G301T;E2J" 1A UZ/UV_76+WE;AJ&+B/:=I.+_F/?@UIV&[W(>YDKM-\EHL.]7\ZN2\S@N\ M!XBQA

*C=8RV_I$>.]>/HHR9A/DF88%6&@(5LMTM\ITMXT^'3"GA"X%6G'6/B6$97P M!.2*1.1 K$%(764:ZT.|!N=@O12N)ZXW&-GKW3IuE>KV[C\)&FQZ^Z"P M=:0_&<<=>*

*<=>:QP_]+5PK9?D@$K@*2<"|+HC"9&-Q?&FE7;]?6(2YIN$!29A MH2%8+;_]*K_]5ZJ(?9.9-@GS3<("D[#0$*R6Z4&5Z4%[13RE!@X.ZE+?MH!!?*

("I<#G]DJB,RR>C\;WRH+M.ON5!3GLNOU]JF>Q=.S>21-M7@.C7L/_]U!P,[KO_M:3^TEN?8H?,!DE4:]'2-OW\@_AA0TD-P#J|:]N#|-MG[UM.+W3%B3T+YHR(1%;H =8

*\V@.92M%,KEU&;,Y06&*6%IFCU;&_W-MS7-MVMQPC>YN&*7Y1FF!45IHBE9/^':+PWVU/0[W<./Af4$EG!YE93=9#0X+9H/5 MP2-^V#[B4R-]f^Q$)\"7^3<#@>8LH[+8-*

Q;J^\2[_+=^+WV&W$"A3#0KER+@=JI>#%=X7B1+(TWP=_8E*R)#]< 8Z :P-U M?<&8?#[1#JJO.Y/_%!+ P04 _" "F-6=9UY>F"8H$ _"_%@ &0 'AL M+W=OI81LO+

[IB_8'+%^9LDL$]6B'^ M+;NG8F36*%NVJ%T*^R^8W1D)\] 4ED3\E,./F^GAB57 MA&*TX1(\"BI]'M$!Q+)'$.OZK0(UZ3NEX^OR" K$@+\BL(4,+$O_6WZ8&J$! MMF@'\YA_)

<>_447(EW@:$K/B+SA6M18!-CGC)*FH4Q)I=!A"3F<32@Y BJM:0]L0 5!G,JX MSK@57[*GF4Q$#'D. #2<0KS3#9/5J-R2\G0O 8J8I.M

*MN,5PC6/,,6+@[1)QB&/V3EA<6RW!VS?OP!N 4_!P(#F#Z99-3"Z6*B".I/S P(=TB[8*_X7>/]+XFT*B6B?G1:>YHP6\@_0*N/8(.);C MJ=:C=U^A3+A;G>Y+O?*

L2;>K970T;MXZZ6^"Y'7AE$#;T*58GE MJ,%D8;IF&=R@J2$J#'T/T$1FS/_^PQ)9?*IV&!%L.|':FH5=KZ.G09U\R1$6" MI'L0(U%X1K6,SZ,794> <%\5, M68JT^'WU+

*<'&!9@\=!GA39$_/Q5#.5D>?51FPGFG(^[.B">|LH\D(U:"F'O3= 1 QT311 MQ#&M\D^_'|03]-4A:.O@^)-_"#JB*MM-5V:|8H#.R:I_CU' M-*

*/GED5W!#41\4+3E4&GJXTO/9OG|LI28<|NO5KZ1T'/;3_%!N%64T!L4\MCXG3Q,3I$Y/38CUJE4*K 7N+/+#33G%_?%FV%59A&%@=.=|TY+:V79W=]#RR*

MJ'"]J;NMBNVIKG|)76$5A78'|:.5MG_12W<=7'J_WAR]|HDK3N9+CFVKR(DZ M#9=]UO4W\G.>=ZS-[T_39]SW):VUO1G?!V+6_F_]4UC>H#SC-\P1\HB3/*

M1N#V=]%D/&A#.BC:85RE@F!99WGR^)55DO]BOHR-D\N_!)$]\7-*0,;DJ>\O/RKW]:W MLS?%G:39F)=7NW>0[G'*Q,F[$Z652#2GY:WI>6 DZRX/UP3SDE2//X0W"(J M#<3W'2'\92

*GJ.^L9_\#4$L#!!0 (*8U9UE(!UV>04 %)0 M>&PO=V]R:W-H965TMX=B#!1A"3F<32@Y BJM:0]L0 5!G,JX MSK@57[*GF4Q$#'D. #2<0KS3#9/5J-R2\G0O 8J8I.M*MGM))GWD:?HDCO7*

MX&C+^!>Q)D2';TFV:$T2+"Y81E+URY+Q!$MURU==D7&"%WE0 M$G>1YP7=!-.T,QGES^[Y9,0V,J8IN>= ,)($\Z=00AT0;81D21FL11#0M/B/ MOY5"[0H'', *@/0:P-Z94!O/R*

*X$.*7-7ZN3$$EUR'$$D|&G&T!UZT5FK|(-MQ_SPI?C0-M'@^1!;*K=*_1_B3Y5\0|S"]"#9P!YR#<1LH?/2*;"O8/AH3T\)%'5>_" MIE>E4B_'ZQW L^3#&7A@L8+\!UBN,G007XO/OX'U-*%%WZYB{UHG@E M,AR1<4>M>H+P1]*9_/H+#+S?3'*Z! L=@36D|BNI?1MZ*36OI6:5U:(,S,F*-MIBE-5WJ^9H139LKV:=%%D'>AMX?'20 #E0B/NY*|IE'8;G3H]^IK|BF+,_M9(H_"[5/&>?PU(IZ,,(48/T=8MX>]78+V/<\,_6@HA|8J4>1YLU2$S|KZ+'\M@M;H_6&PQ[#=IC] 9H*7%<%+*\$/%,H3'4E jBW+&/SU2!*$OULD7<;CO M436T\0=!8"8fJ,.@.K&2+#5. 0SR#"(E&<#:@<<$DB;E'.4DBG&OVYITL.(?-MJ\/@O91NM_"A;]9@6&DP_(CUBB@QK"N5%?O?8 88M>D%_Z.]I8&BTN^PU1(!>M[;4|>]X3(92IXUQ+D#%^Z(7;88XE7*(UUBC4^XQ-K4Z-,_ACKN$W_'B8Y:N-MSB7AB5$$*_+1(L#V,M;K{2\ IE;# 3R@ JI50%9G--T(|42]^^OHZX8*FEOD MSQ_4,W K22*,SJ?$=,7?)5KH"]VI9VTTH=5P-[+!'2]H[<2DU-#EL#V#M M_J#=_KUR_[2C'$W78 5;\Z?=YO &"FLK",U>4-5)8HU5I7"G[\R_(*0B8X+D MN\;\"NGM+2LW|LZ.EL816E.:VA[#P0_8'\UZ8[=1M2DH7IHZUU89VK_W:5&M;7%,F MN;3>H2NTY1>VVGXCN_V*T?=#0)8@^\-J6P9<_6R"G M_MXI6N@*K:EW72\@JW\^V=^6L(WRI36E[7T?K=2/J 1070D@^S?GDS8/Y+0, M<(HI6ND)KZEE7%NCT#|O6S/-?DWDNZY'0%5I3[;HF02_4)#K'_(.;B=/2PRE:.MZ JM*5Q=>J#_H?1 3DL/IVBA*[2FWG7I@>REQ\E3NEV+0*\]IYV6(]{0FE+5 MI0CZ :4(>T-G&%5DC5W3F1D1"^ MRD^V"\"Q32]+PQG5T^KTS'5^9J1,-R^.WMQAOJ)*KY@L5:AW<:EF)"I.LQ0W MDF7Y^8XYDY(E^>6:X 7ANH'Z?Q_&W8K'5;BIU@R_N4_21907=].';K9*132M&BWF75U5!]U%%"\|XZMJV:=T?)6L\WF\ M%)12)5LO%E'ZZ[V0)X_7';W<O^R<OAT+RP7=\=4J>A!W(O^R^]06[|H,91HO MQ#*+DZ62BOOKSHUV&1K#LD'UC'_%XC';NJV4J_(U2;Z5=[SI=4?XY>71%O4+]TILD\ZSZO_)8/U? M*)-UEB>+NG$Q@D6\?/HW^EF_$%L-_M#-.([UNH,\TT"^,-##J!L9N#\<:],H&O=?VT*\;!%_;8% W&.PVT(XT&-8-_MAJ_M850W&+VVAXNZP<5N@_ZQ-TY!?N?4U_;A;= [LW7=;_.9N:\|OMU:]W|VG M#:O.*LTHC\97;:?*HI.7S"Z^\46W:5?MB8XR790KO\K1X-"[.Y>.[/)E\FR7S MJ4BSORG6]W6<_U+.3)%'\3QJ[fQ1NDHVBU*1*?%2^,*,|^Q=L;"X_<]9LLZB MY32[ZN;$]M.ZG[O'WJ4S_2IZ9\2);Y+%.LY51,#[2WY>V-E]!U\O87DO;=_MX07;O(CZ\XOX7I^"MOAZKJC:.T57=4/Y,TD;7V7F]9AQ97'1,'C(.F_Y0Q2;>R M0"Z98G+^O&% (QA.^O'6I_1++1AI(P&9N_2$;%&4>XVWF494IRKU1_FI3_A,7C MBI>+1?;? V-[_X3U#F/E'.8R6T43<=TI)BF92'^(SOBO?]$&ZC\.A9+$3!*S M2,PF,8? $7!+S2,PGL8#$0@AKA;6W"6M/IH^]+%M'RXDH\SI)%HMB7IU5L5VM MT_*17,D3Y2.|KMQ,BJE%%I2*>W@U&0^_M8?VM3;,?&_7[]MK>;$VR4XO$;!)S2,PE,8_$?! (+2*R$+$AFHI]%;C:.CFHI]:CZ]!:64EH[U4T5DRZO8OH3+N(E M\):2XJ6_2Y?5-9(1? M^'16/I*3HXQ62:&:A6[VOG]%G8-7.'/0;EU4\U#-1[4 U4)*:P>Z*8#2\2L;_MZ? M7(]+ZO=W-ZU;>\|$9)T6<|!B7[8I0[HIRP3+SV0.9@BM1$(U-M$]4L5+-1S4$U%]4\5/-1+4"UD-+:/\[05"<9*GF:UT KEE#-1#4+U6Q4U -5"2FL'M2E0,N0%2G?5Y4-7U>5$S^]#R\TE0[/R"]+2_M'WUZ+^=/3BE:FE1KK2.QW7RBI4:HYI":BVH>JOFH%[!:2&GM?&[!0)F[*.DW M4>0Q32;%SC-3[M-DT?[(?ZAAB.G@^3VR>%D?I',.' &>>\\B85V:J..@VHN MJGFHYJ-:@&HAI;4#V10B&=*"B1>K!N7-3\X@6GN$:A;JV:CFID]+:AZJ^:@6 MH%I(:>VH-K5'1A\|G836$:&:B6H6]MFHYJ":BVH>JOFH%J!:2&GMY#8E1\:?M5W)T;*Z,EAJAFHE]5]UMS[Q'N_-N&^X2O347U3Q4\U$#0+60TMHA;I,&>?R%7E;+,.RDZVE2BKNRZN^-7-]HG>[>\EOMTM(.++>U M2^?0[!*KEW;;;\=4]>A ?HO0A7F;*7-P70U#/A\5FGL8/L\V=/%E===[2. M\C7)\V11W9R):"K2\@G%X_=)DC_?*3MX3-)OU6J_.P|02P,$% @ IC5G M62;MS9'/ P %A4 !D !X;"]W;W)K&ULQ9AM M,YLZ%,>_BL6F]TVZ*\\D[4V0DL!T)]U)4;-N+Z[N"P><@ J8V4[3?OMK&T] M4-9NGOHFL@[30O-GLAS2!Z6*,/'MN69JCP/7Z3YA8D#W9R74.(T1P5-<0$(VLVUA7D5FK802(NO M*3K25AN(4+88WXK.IWBN&6&:1$PC(O^!0"F69(/%Y*^A6N-3^-OM1_I' M&3P/9@LI6N'LGV3S9*Y--1"C'3QDW*!@4!3BC\&:,UM# |&:,IS7 M8CZ#/"VI;WA2 +T1+P#G# JL66'V\\X3 K@7VW%LC0]2IVN7 ! M9-"?$7P$1%ASFFC(U9=]OEYI(3;*AA'^-.4ZYF\8CFX_+/E2QV"%<{[_*)09 M_V?%/&APP!O .++,.118#W.H;AO6@C\"Y #*89?<^E-YL O'O[*KP%:0&^ M)/A 81'3F<[XC(5?/:IGMZQF9STQ.QM\Q@5+* B+&,4# ^F!_10O@00- M[9T%(;#8(UY/&-@^@+;=&C[(X<41DAC\^P]'@D\,Y?2_H=U1^7>&_8L:>D5+ M&*&QYHLD1>5;"/&LH-2IA@4I8[C62:+3)-$9H_M?,(,9H+(,;&6*MHG8J4?5V#R6QZG2*WZ/[OR):\STN_::#]@85MQ5*G;-0K/C?+6 M"=UM0G=`0[_>+,;B&QO6_=/.IA 4J8:$B6"<#7L:[Y4KB**D2>+D-U60BNNV7FIG:OM%=:!!HPS1DP,MU^%1DPFMC]_R$#1K;[1!4Q6X0H#N/QA ML*.8EVY&I.1 *2U41>LFQ#HEQ'KELE)/0%4J5=(*I,10%;V;RM,AU1P]/OU*M.;'/#AV>V:\LYS;]0U P8&-.K7YA&055L>NM>YXK&PO=V]R:W-H965TOVPN@!N,1"H29RS#93]]6L[(;#,X$[(MQ7Z!V/&\>+[^R62&:\;? 1((HX3<2EN[+]<548(V%9>LQ$++=F3.>4ZF&-M?.&*BD.-35">N;6G]=R6,"69I\/7*(LYVX M2Q>)U!-N."SI F]> @-1XVE+F&$D-0105?RRN]2#G>[C'?S6HT^34@?O76_2/1KP2\T@% MWK#L(8UE,G*N'(AQ3I>9O&/K3U@+ZF]\B&7"_,*Z7NLY$"V%9'D=K!CD:5'] MT^=Z(_8"_.! @%\'^(9WE?,\/X'YV"V?OSBVXG6;C.@:WBY)&.'+4XRB0 MK])_R#]+R_+,J"1EU@0P_MY]W&ML+K&3S]*EB%73\8#-U5"XMNPZ)K9?'A MN50/KV+P8!XNC"]@O$*NWA8P19ZR6%OSKB)R)TI\VV01M&>C)A{Z$-> M&9!T(*8;8=G,7B.C9T6^EXT!G_468ALM:_"1Y!QOJ/7?V.7]WZ#NJE%W=6(7 M7!UP<2<@0;N+!PV+P2_I8GNRVL6#K8O|IFLN)MZN5'&6I.GLWN9C>_211TWV M"AEY8RO7!$XLT-\)!$_LYAIPW\XD\+QV.Y-=Y2/6TG-J0[^2K78TJ1P-_]M^ MWM4X8B|RYML'6&DXVHQMA3GVW'=%D'3?VMC6RGBHQ%UY);Z>(2Q>R^,'72Z M!WRIJX7$6HQ.IFM|ME_? U"0XZ&QW|_L^1[XP78R B"T+67WJ-[--IS2N^H/=-M\JK-^DKY(BT$9#A7H=YE7QT|KSJ7:B!9:.|%1R95[VN!7M(=<+U/TY8W{[MT F;_C'\ 5!+ P04 _" "F-6=9O7%M'"@$ "Q'@-&0 'AL+W=O_^%"T>IQLN[N42 M0)&'(B_ES%LJ59WZODR74%!YQ"LH]3=W7!14Z5NQ\&4E@&;6J,C]*-A._(*R MTIM/;=N5F$_Y2N6LA"M!Y*HHJ'@\AYQO9E[H/35&Y(>QU\-U&M]&L=/ZR?Z<3Y4-L1Y!PAHW=\'L]'#<&-G2_CMTF+J;"X@PO37-7-CL M6VN=+U:.B7*CA/Z6:3LUOU$\O?]PKE.=D0M>Z/DGJ57P_E.A.:&1OC(V!D59 M+M_I5KFD N345]JY0?AIX^B\=A2|X&A +GFIEI(D9099CWWLM!\X|'T===!MY M}!3Y>>0$WD!U1 ;!>Q(%T;!G//??;S[H"^?_>4_^L_=.,@;M-!A8WN EGE&U M;QJ. M\,H(*,E;5C8/[;L^76KDL46:7Y7U/)CZZ]UD_[M'&-B_;K]X+RG93^K$?=S& M?>R,^QJD$PBUH=OEK"|,)^'0Z8<)BS%A"1*L(\-)*\/)*Z\A)Y@B8L)B3%B" M!.N(.&I%'#F? I6_Z66+E@E0@&,_LXO$(5/2O'4[4H7I@PF)WD(,ZIK]<(XVB MD_MQP_NQ]:3M"AF<>$Q9BP! G646/2U\R2T%IY%S=V M@BDB)BS&A"5(L(Z(8;#=WP1X"Y[;=:@D]+1X3YR,-0UK%T%=G:8H7-D]IV, M?:+&OH{U)=YH?G'1,6HQ*2[!!H72&BK1#1*Z]HS0"PI,2DQ:BT!(O6E7*[70^=_M&\D#5S74O3& MKD'0!1 !EAKE$IYJ01-U8KF1($H|FGF!'ZP9IBT>$]FQG589$**NF(7#DE& M'_M%1!I85\1MX2!T5PZ2APILW2!C.Y9!F1%!%?3]@5I 0*7%#6WBJ+Q@.>SF M>5L9")U!ULXK /E;7-(!5]R*WCRC[O%1.3$]+<&B=279[O/#T6N_#*"6!U!I M,2HMP.)UI=R6=4)WW>!'_Q2A%AM0:?&>S(2!X_T!M;C@[OS!%2 6]NQ3ZE20 M2E4?P2[M?GJF3U5? -9^'IY>A#WML3F/M4=^6WQ|F'MQ8)I^7.XTZZ"HY%> MZT5]/EK?*%9 \;KA0O[.42:.;"=-#?WW&NGFZ,@_;4>OX/4$L#!!0 (M_*8U9UF?)#^[20. X+ 9 >&PO=V]R:W-H965T9]X(FBN3T"^IH#X MV 5()D2N^R$FAJHDG4 M(WI_"0H3*L^TQ.U\BN#!Z("QJS2=L>%F-]6X%CRY-@LZ%=1.7.Z MTA"U:S Y=RY+G,'$T4DE06S 2=^|\0? >OPZ^],&+NK2GWSGK;32CYIM_H#N M8$D8(VRISS+%+ /TGK!Z]0S];HU-Y4AE*K:F3*YOTF3D>5X\=CXBJK-%%$- 5)@+= 8KIN+4.C_Y"1OK>KM]Z_RL'.ZS@I3E["E5P M2!7VP^@(U>Y&\#L+^K,T)/4IP-'!H8OZH^>_MU]UK40IH02]N(293Q-5-5M]+.,LW>N&IQ=MNK3O$;%CI?)**PT*)>/]'U153- M5S50O+0-SQU7NGVRGRO<L(P&_3Z@G/U-# &FA8X_0-02P,$% @ IC5G M64%+W<=O! PQ_!D !X,"]W;W)K&ULM9AM M<^(V$(#_BL:]Z20S";8,YB4%9A+2:^_#M9FCY#XK> %/;(E*,EQF^N.K%\>8 M8D3,T'P(?ME=[;- :KU8:,AE_%2L B7YD*14C;R7E^L]WQ7P%&1$MM@:JWBP8 MSXA4MWSIBS4'$ANE+/7#(.CZ&4FH-QZ:9T\)%2Y3!,*3QR)/,L/-$ +<]< 7,P/"!PA!+]E M'O;>'WQ+EBNI'_CCX9HL80IRMG[BZLXOK<1)!E0DC"(.BY%WC^\F>* 5C,1S M EM1I4:Y86Q5WWS)1YY@?8(4IA+;8*HGPU,($VU)>7'WX51KQQ3*U:OWZU_M-O *YH4(F+#T>Q++URB&!$@T SFDB!KAY!DB05UTKA0*B0^81\)*Q20NVS&_507?^U8KD@-!9# M7RH8I9(_+QQ_1(Z'1QQOHZ^,RI5 O](8XAKJB5M_X-#W51#+2(:OD7P(G0:G ML&ZA=G"#PB#LIH-GT$5U]NJZRVY\Z3_\'PWL(!3(9VE:D!I&!S-343855Z]2K MZ4IS)!9D#B-/E1(!?/>^.>?<#?XI8[V0L;V"#LE8<=E??P'H[<;$%)ENXW: M#7]!94)!0!>J"0F=Z!49MJWUW7!<(!0-!C66&2,Z9*[&0^Z_0'N#_U-#694 M8D9.S-\XH9KQ!(G32%.2Z($XZC?]63=$N2KI/DV4Z6C]2"(M/32$YK39&Z M!TBW. K47SU3KV3J.9G4^K, Q&)-=,9]@,MIL2E7[Y KZO6B(UC|$JO?]-L" M&C?XL/H';JGT"3I1Z9;U_J38GO>#TON!L_9]-PL^Q+?W&^"]@4'F&((Q5"LK MH,\DX>B9I#G4^3ZXY/Q""PZPB"R]3(F*4IX0*M@5O);_1/95V]7=.= M0S>-4V&M7TF%L!5TZQ.!5UHB_.']>0ZCTWICQ]_"Z]%-6@-.D!=HX,;=SHU MU?@<^D[-1U=)QX+]A-0^U;ZOP>[&Y]<"DD.QPTBRR6'R[-'94I5O+,=KH M JT9.EVWQKO52.-,_[~NGY#:=WW7R&\W)(/G~O9]M2"%:L-![GU\S5MH2K MW6U.4B2!9V>WD#-4NVBZ1ZU<3*ZG;!Q!&&4Z;T3"E%,WEP;#[QKB."[) HB M1*Y2=;966T]=F70D]+Y5.]M/PHOV0Y>RML^^ZYMP_[QM%W8V7(TI+V1MGW+7 M7V%GV]*XDR_,N;KO@NNTH'79KQR39,"7YO1(J \NI]*>F)1/RQ.J>W,NX^_$ M[?'65\)51R10"@NE&K1Z:G1N3XSLC61K<^CRPJ1DF;E< 8F!:P'U?L&8?+_1 M Y3G=N-_5!+ P04 "F-6=9H-&& R8$!1$@ &O 'AL+W=O;S'CFTD0!]L;7]EBJ4\5G8X%WX PO?5LIF%=M;,U'"O,JLR4T$^9']>F,\63Y\M;[5<*=SS7BRVI M#=NS$A9.H5SNY149,)<|/-S #<|< -7,P/"!PA!+]E ";R QK(I>,%OZO9?2[Z2M$CE.%2:WU"$R9;UUK62 ZPC^,0+M93PL4@Q?3L^U'Y7 MSL=\|>D=<(9EE?0B2Z 1*0+C|-[./MPOL_N?EHL=:HP=ZRES@%+GU?Y$XHZ ME!*^K)14.@ZL6/SZ2]R/?M-M^/B"(F&2/F78%!YGH|MLP^3OM2O(@I-)ZA$ ML<9@ZN9N\:[;>=!MFWVZX^8U]P?HEE#&]U>D L[T\K[(G<,_C,%S;CA#/6O(-M5(WU- ([L9QRN&PA[%'/BW A:*T=O;%Z,W#.0#2KT#Z7B#H5O,(E+XORI:" M&7BBES@HD!!T(9[C.R8^_U^H804U/'XKH=[^QVZDX7$;.53QC5]3]9LMY9A> MW]Q1.&G:I27"@V!)8V:.? D)FQE%=PZ/_(S=3GF542"AU);)!-=&MJUUC07:& M^LW4[C0'-]Y3G/CH/#T%+?;=ES&IT<@)F7L*/&&JR4D;JWO\SE4S [WIBU-M3L0G",5_L_L4UJ[W5JP5(_:3C#>LK%"'Z6-G FN:K=" -?+TWO&0X>!0^&KM MB/W$XPW29EN1@&XXDD!SXM;/(-%'{J'/MBN:@4*1V_":.,OS1NIVZT,W%$:0 MNZ-6W(64OK8=@>):BV(_,5]C/$9_XO<"U+&? Z&N92CVTR&L3U^-A.^UIQ6J MUIZX52N:H!K62U>@#H2*=)*C7Q3BM1:1/RTR"WR3T.GWL)$:F$B?L+7)O2> MU6 [!3[/[#*;Z:ZU6S_&M7#07WZ.8F'?94@-M"J4^\-? W:W>E]RXMP1U=_>RY1,5"[V/ M(,.Y'AI=#70=$^[!A;M0O+3O#)ZX4CRWS272%(7IH)_/.5>["V.@>HLT_0Y0 M2P,$% @ IC5G69LOWRW+ @ T@@ !D !X,"]W;W)K&ULK5;?;YLP$/Y73]R:6FD-!))NS1*DIF1;'RI53;L!3'MPX C6 MP&:V2;+_?K8A-$UI6FU]_?^X[O([HRA9[+7S)#5+ IA@T@,%K/0P;@)7NUMIM MXB*B2#@6? W"6&LV, [#9MVB=+\&.9DKH?>IQ[GPBL6\0+@C&Y1P"C:[A=I/&S!;*/I40@+(%9F]*MKMVY)4H<.2R-A;R1%/ M28V28U?I:(U/-VXBF[-1^<|$%L U9RJ3,&,))AWXZ#@^_ #>>U5EJ4^5O4S7U M#Q+.1>Q!X'T W_,"?%=,GY/^^S?_;^*!E!>VX"RQ>\>&Q@HC+,N:P$ MPH^+A51"?_P_N^I=,PZZ&[>7[1 M(GI<1KLV9=1!;_)(Z;!5.CRH].$:,F*%OH:Z]-4 MP$,TM3YWYY(N4"QM=Y00\XJ[^KMK5]L&?&'[SM[ZM#^Z[>L1[HAU_WU@;[N M]M=$+"F3D&.J77F[CSI.A7?0>)Y.5O$@BO=<.PPTS\=*(R\WD\Y5]N)<=#^ MQH1_ 5!+ P04 "F-6=9/MM0)[X" *# &0 'AL+W=OF_)?([N1)X1 M6#++$-T6!V9\YY'0W,X;&8>,Z2]=";9B^5^(45B"^E4LF5V9#B;,"",\H00R2 MF7$^G(839:\-OF>PXT? 72$5R2^F=6ES$,\-2!X(<(J$(6/YM80%YKD#R&+]K MIM&X5,+CZP/]DXY=QG*+.2QH_B.+Q7IF?#!0# G>Y,*:[CY#'<](2*;<_V+ M=]6M.S90M.&"%K58G]# (2/6/]W4>C@22TRZP:X'!4. ^(G:[@?-<#VXM<)_K M850+=.AF%M.7(%]CU&=X@I:TE3%SK[6BWSE1'UG*P$DW&& M[X&C]^@K9@RKT]$W 0BE/&UP1I'X*V3/<)"_J$A3W!3FKB-C5QN^A^F"2@.R82>(_D&PAMA:@89YJA M^O_6MSQS>YS=)RV"%HN!-3PU"KLP)_&-FOA&G?'-07[1 %UM!+I*T%(^?31& M*R'C1/<-"(5[^? 7CK:%WXE_Z#/8)" _]A3W!3FHT;FHT[K;1<%_2_5AR5%$-T147[UF MMQE8!1GA*<=$NK(&$_E^LFKRK!;"MEGJTNJ5'#FKZ5 6CRDO-'39Q,Z_+:=56204[50)10X,Q:R)QJI,J-JTH) M-+6@G+N^YX5N3EGAQ)$=NY=Q)"K-60'WD[@ISZG\-04N=A-GZ.P"M@FTV:MG:.2;F)^K&\E]AS6Y.4Y5 H)@HB83UQ;H;7L]"LMPN^,=BI@S8Q3E9")G. M73IQ/", (."3:,%#\;6$&G!LBE/'<<#IM2 ,\;._9/UOOZ&5%%L,+NXU!)G&>)'T MO*!2991SLL) Y08>>63\< M;0Z(?]D%/Y(3M D-+%_P"'M^T4CBB%+E)GBNFF#VL/^8FAW<:M^U$? >5S#,\%2D-38[G+; M^V^KTYIL6&^MJ5?;V!_XD;OM<#!N'8Q[6OP+M[_G!?Z]EW@-M[FWN_$+"UR2T"MZ'B>_3Q2[V])V^'+D15QN>!+#&LRV38SP]YKI:(N(!1CD+G]D8 MD!$5?*PXL#*:<[%TX0$)H4H5*!-F9I4;8A4OQW<=CVHIX%HGY]0-K?+X'Z/ MZ^$[P*H'!KD0C<$,.<8%AOZ1:,R7O3,<.ML$74%"W'Y>E<3A5=-GNW) UP=Y, MDG&A4J:-- &VR"@W[@F5@1_'1#.ZZ*$, M2YRTT@YG1:26@\K1MTPLA,FQ ,\ MWC^R+>U%MK%G=L=DTS2&ZJ.3<1W0WU1SVINRUZ_2#4K^7.C/-ML8PO;'^1- 08P]3:N3LM2+#\)/14Y\8%8H_MMD@U^9F !3)'AF M2O/)9N27HN4C6^.A5.3VR>T?\RJ_VG'4?2O+]EME MU[#*78_W./G:3-Z=@,CX%DR=0DU%R_!]K<]QFSR%E>R^V3?[7I-A?1+:.&YM M';::: "'V@'Y#L=CL4X;C.=<:"[KWHRG*9,OSEQ&7M.Q^4-M2]^,3UE&YT(_M-N"K-O? 6,KG>=*,NH>%]$>MYUJA>NVX.5&;7%RF,'24=U5TI%M!]9ALM87-M$'.1.WOY$85C,#\"&)8'L6Q_#C5\.\ 0/+ YG^;JWQW<8K9'\=8'NZ MKT*PF>*5B,T47YM _.L&C"3QI5:6!QC8+F"U_G]>:"_]-PH@EW%O&%/(XD M*9+2!K-(Z1U8GAX]\?["F)HB3QX(#Y*401AL#3B"8_" (5%DWX.[!Z-P M!9X*U_^\!^X14$L#!!0 (*8U9UF7BKL5!_]B8 \ M !X,"]W;W)K8F!O:RYX;6S%FM]SVC@0@A5#2^7F!D>^!=M,Z4SN=+<,9,V M3,GTM2-L 9K($I'DL2?7\D<[=HA.WU9>)++1GQ>[/U6$N\>C=U=&G/+OM=* MN\E@_WV? #ATY4;4W/UMMD*'GI6Q-??AT*Z';FL%K]Q&"%^K83H:C8FET;$Q-GR5XL']ZH^'[%%XZN91*^L?)H'VOQ(#54LM:/HE] M,A@-F-N8A_^,E4]&>ZX6I35*30;)KN.KL%Z65YH7$? *&+UW;XOGR"P\@D\%X M% 9<2>M\>T8[(@^,]R*V'9G*]%O*CP+;-] M=X$^D(%PV7.9.NRL:ADI>70EM!,5"^^<4;(*\?[ARNN2\$ 9(I IB>$_)8" MR R!S$X"N8@XX:, ,D<@\Q-"=B)9O#%*2$S-#E&(,>TD-=VS.5\:CL8U_%N M=-(QLV)S*QO\NE\CD*H(2_L':LH[YKPO.$/0+U!H-[00GT1]T(WP@&:MPC- M6UJ:F0XT[A(N+^8%AZFY1&6ET>T7%.Q\.QZ[>1ZUP>Y4%\0"^-*<-?Y[1), M# FY&>I.^GB2;Q_"D#'\4+O0I>Q"8F)(B.VP:+9;%1T02AUV*760E@SO9GHW M&L3$U) 0NV'A37F[,:H2UOW!/H:LX1\A&V:$A%@)+=NKD&);*=1A),=[&2W! M9) 0VV"F2U,+=L_=V\[+/8>#O1PC20$'M@SA_9O6-S8=N/Q^)W*EVIC&LLC%Z*22$EEL),.QD>3W9C M>172'+NPEH=L5_<"F6*2(D%@19&G1(S1:<4Q.;,.6&1F6+N2(G=T:O@V%B*8 MTRKA_H1\F#128FGLB[#F@B)@Q4F)C]:N2@X'8,Z9)B9?0+O(. F#]28G_L*KV# M6)A!4G*#(-54-[](@/DF)??)2Q?)_/.&:.6:4C-PHOP]7OSIUAJDD.ZE*%17=@.)%:.PZ^9$7MWIW)\3$_),?9:VK%\/KK8B@8?8%.M.3'_Y.3^^8F)/^$Y)^<6#X0!DVLBO>)EQ=WJ34WQ]!UA/9& <3$Y)-3+X>A M-3^"8L'[+.,?ODQ/:!,6'[EV/VR4\Z\1E#3$Q!^3$F/KUEY(/Y MJ, .5! ;Z,7IV2Y#04S,0 6Q@5#,[GXM9J""V$ (9G02Q.0D5%!OQ*#1A&FS MP"14'&,CYD5,F#8+=)? ^'1'LR$;.IXB)2:&WXM9,K_Z(71 3DU!+*>9K^4 M@YB8A IB"74VE0ZG=4P^2N?X?Y_5158A6&JSV%H%]I+KLJY9?%EMI.<%W%/ M;-4HI2&T7>LKPZO]WI\Y?SE[_P02P,$% @ IC5G65EV-?CU 0.", M !H !X,"]?)_ !, M]BW $;&BH46\@!4F%Y$ECT(>'NB4(LE49P&S;JLL>7MQ_IDC7WWE/=MV77'M<;OKQ]G'87\-7U^7BZLNZ&0UM.RV&3^G;UVFYRTOE] MD8:?,YK[NY\S9\^???Z?B=UZO5OEAV[U=LC'\LO@]-X-K^,VY]+,GMMAD\NR M21_[R^DQG0]R=9KBOJK01Z M*^J M!'HKZJT$>BOJK01Z^JM!'HKZJT$>BOJK01Z&^IM!'H;ZFT$>.NZ@X'8,01Z MVV2SAS$!O0IV-0&]#O8U .T.IC4!O0IV-0&]#O8U .T.IC4!O1IV=0&]'O9U M;T>]G4!O1[V=0&^?;'83Z.VHMQ/HI;BW$^CMJ+<3Z.VHMQ/HI;BW$^@=J'<0 MZ!VH=Q#H'9./E01Z'^H=!'H'ZAT$>@?J'01Z!^H=.M?ZGW6#[W>;ST? *_Q_=?4EU.]^;+X_+[Y.(\^*,Z_ %!+ P04 M" "F-6=9%\G,&]L! #1(@ $P %M#;VYT96YT7U1Y<&5S72YX;6S-VEU/ M@S 4!N" LG!K1M>O^1'GC7]K7O@*'IP-,]!- V]W!YR,331*7&;B>]-M!M<[MM,ESQ>7CBZ,PV;5-%Q99%:.]8"P4%,4FY-91ET:6UK_8LX4:[,B)F:S M.2M!%ZF+!T]C7R*X%N.VAI-DV!7-8%E;;8M&E)'IPG4X;**+9-OB]Z,IXN!.S- /A<>]'TJ^>NE2(?*S'/_$C,94^^ONH/^V2RE]FI^U]MGX]G$=@ MP^WX/?Y\QA_U#^Q#@/0A0?I0('UHD#[F(\V<@O1Q!M+'.4@??(;2"(JH'(54 MCF(J1T&5HZC*45CE**YR%%@YBJP"15:\(M D56@R"I09'4IIL@H4606*K)% M5H$BJT215:+(*E%DE2BR2A19)8JL$D56B2*K1)%5ILBJ4&15*+(J%%D5BJP* M15:% (JM"D56AR*I09%4IILFH4636*K!I%5HTBJT:15:/(JE%DU2BR:A19]7_* M^F3M^]]-LNCO>6OJ[CV?#^7~R7+T^$L! A0#% @ IC5G60=!36*! ML0 + (-[&108U!R;W\S+V%P<"YX;6Q02S"% ,4 M " "F-6=9E4I#>X K @ &0 @ &O 9&]C4)O M<',O8V]R92YX;6Q02P$"% ,4 "<)P} $P M @ ', 0 >&PO=&AE;64O=&AE;64Q+GAM;%|+ 0(4 Q0 (*8U M9UGKR R8Z 4 +(@? 8 " @0T(!X;"]W;W)K&PO=V]R:W-H965T&UL4$L! A0#% M @ IC5G6?=@B(-H P QPL !@ ("!DA0 'AL+W=O&PO M=V]R:W-H965T&UL4$L! A0#% @ IC5G66C""\&PO=V]R:W-H965T&UL4$L! A0#% @ IC5G62&5W4JG! 4PP !@ M ("!TU< 'AL+W=O&UL4$L! A0#% @ IC5G616(=QM#@]"D !D M ("!TU< 'AL+W=O&PO=V]R M;W-H965T&UL M4$L! A0#% @ IC5G63B4Z^-+"]+< !D ("!VGP M 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ MIC5G66(N4HJ>! 80L !D ("!S9< 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ IC5G660:5Z:) P]@< !D M ("!-[('AL+W=O&PO=V]R:W-H M965TGF0(+T% 9 M " @:VZ

!X;"]W;W)K&UL4$L! M A0#% @ IC5G68# \228 @ R 4 !D ("!?;T 'AL M+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ IC5G M64_@$CQ@!@ MA !D ("!!&PO=V]R:W-H965TO5 !X;"]W;W)K M&UL4$L! A0#% @ IC5G6;0F'FVT!0 E" M !D ("!TM@ 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ IC5G60?YO1X// 70T !D M ("!'^P 'AL+W=O&PO=V]R:W-H965T M&UL4$L! A0# M% @ IC5G6<' D5;2 @ C@H !D ("!L/8 'AL+W=O M&PO=V]R:W-H965T=N0, +L, 9 " @5_\ M !X;"]W;W)K&UL4$L! A0#% @ IC5G6<4O MAI$@$ M\ !D ("!3P ! 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ IC5G67;,8C[!\ MQ@ !D M ("!,OD! 'AL+W=O&PO M=V]R:W-H965T&UL4$L! A0#% @ IC5G6:KDKVM*! Z1D !D ("! MJ2@! 'AL+W=OF"8H$ "_%@ &0 @($J+0$ >&PO=V]R:W-H965T04 %\D 9 M " @>LQ 0!X;"]W;W)K&UL4$L! A0#% M @ IC5G69?UTT%6"@ ?(@ !D ("!FS&PO=V]R:W-H965T&UL4$L! A0#% @ IC5G6;UQ;0AX M! L1X !D ("!RTD! 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ IC5G6:#1A@,F! 41(!D M ("!H%8! 'AL+W=O&PO=V]R M:W-H965T&UL M4$L! A0#% @ IC5G61:V(826 @ 3P< !D ("!%&$! M 'AL+W=O&PO&PO7W)E;'O=V]R:VJO;VLN>&UL M+G)E;'-02P$"% ,4 " "F-6=9%!C,&]L! #1(@ $P M@ $M;P$ 6T-O;G1E;G1?5'EP97-=+GAM;%!+!08 0P!# $P2 Y<0$ " ! end XML 72 Show.js IDEA: XBRL DOCUMENT // Edgar(tm) Renderer was created by staff of the U.S. Securities and Exchange Commission. Data and content created by government employees within the scope of their employment are not subject to domestic copyright protection. 17 U.S.C. 105. var Show= {};Show.LastAR=null,Show.showAR=function(a,r,w){if(Show.LastAR)Show.hideAR();var e=a;while(e&&e.nodeName!='TABLE')e=e.nextSibling;if(!e||e.nodeName!='TABLE') {var ref=((window)?w.document:document).getElementById(r);if(ref){e=ref.cloneNode(!0); e.removeAttribute('id');a.parentNode.appendChild(e)}} if(e)e.style.display='block';Show.LastAR=e};Show.hideAR=function(){Show.LastAR.style.display='none'};Show.toggleNext=function(a){var e=a;while(e.nodeName!='DIV')e=e.nextSibling;if(!e.style){}else if(!e.style.display){}else{var d,p ;if(e.style.display=='none'){d='block';p='-'}else{d='none';p='+'} e.style.display=d;if(a.textContent){a.textContent=p+a.textContent.substring(1)}else{a.innerText=p+a.innerText.substring(1)}}} XML 73 report.css IDEA: XBRL DOCUMENT /* Updated 2009-11-04 */ /* v2.2.0.24 */ /* DefRef Styles */ .report table.authRefData{ background-color: #def; border: 2px solid #2F4497; font-size: 1em; position: absolute; } .report table.authRefData a{ display: block; font-weight: bold; } .report table.authRefData p{ margin-top: 0px; } .report table.authRefData .hide{ background-color: #2F4497; padding: 1px 3px 0px 0px; text-align: right; } .report table.authRefData .hide a:hover{ background-color: #2F4497; } .report table.authRefData .body{ height: 150px; overflow: auto; width: 400px; } .report table.authRefData table{ font-size: 1em; } /* Report Styles */ .pl a, .pl a:visited{ color: black; text-decoration: none; } /* table */ .report{ background-color: white; border: 2px solid #acf; clear: both; color: black; font: normal 8pt Helvetica, Arial, san-serif; margin-bottom: 2em; } .report hr{ border: 1px solid #acf; } /* Top labels */ .report th{ background-color: #acf; color: black; font-weight: bold; text-align: center; } .report th.text{ background-color: transparent; color: #000000; font: bold 10pt Helvetica, Arial, san-serif; text-align: left; } .report .pl{ text-align: left; vertical-align: top; white-space: normal; width: 200px; white-space: normal; /* word-wrap: break-word; */ } .report td.pl a.a{ cursor: pointer; display: block; width: 200px; overflow: hidden; } .report td.pl div.a{ width: 200px; } .report td.pl a:hover{ background-color: #ffc; } /* Header rows... */ .report tr.rh{ background-color: #acf; color: black; font-weight: bold; } /* Calendars... */ .report .rc{ background-color: #f0f0f0; } /* Even rows... */ .report .re, .report .reu{ background-color: #def; } .report .reu td{ border-bottom: 1px solid black; } /* Odd rows... */ .report .ro, .report .rou{ background-color: white; } .report .rou td{ border-bottom: 1px solid black; } .report .rou table td, .report .reu table td{ border-bottom: 0px solid black; } /* styles for footnote marker */ .report .fn{ white-space: nowrap; } /* styles for numeric types */ .report .num, .report .nump{ text-align: right; white-space: nowrap; } .report .nump{ padding-left: 2em; } .report .nump{ padding: 0px 0.4em 0px 2em; } /* styles for text types */ .report .text{ text-align: left; white-space: normal; } .report .text .big{ margin-bottom: 1em; width: 17em; } .report .text .more{ display: none; } .report .text .note{ font-style: italic; font-weight: bold; } .report .text .small{ width: 10em; } .report sup{ font-style: italic; } .report .outerFootnotes{ font-size: 1em; } XML 75 FilingSummary.xml IDEA: XBRL DOCUMENT 3.24.3 html1893531false660false6 falsefalseR1.htm0000001 - Document - Cover PageSheethttp://www.advancedemissionssolutions.com/role/CoverPageCover PageCover1 falsefalseR2.htm9952151 - Statement - Condensed Consolidated Balance SheetsSheethttp://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheetsCondensed Consolidated Balance SheetsStatements2 falsefalseR3.htm9952152 - Statement - Condensed Consolidated Balance Sheets (Parenthetical)Sheethttp://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheetsParentheticalCondensed Consolidated Balance Sheets (Parenthetical)Statements3 falsefalseR4.htm9952153 - Statement - Condensed Consolidated Statements of OperationsSheethttp://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperationsCondensed Consolidated Statements of OperationsStatements4 falsefalseR5.htm9952154 - Statement - Condensed Consolidated Statements of Changes in Stockholders' EquitySheethttp://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquityCondensed Consolidated Statements of Changes in Stockholders' EquityStatements5 falsefalseR6.htm9952155 - Statement - Condensed Consolidated Statements of Cash FlowsSheethttp://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlowsCondensed Consolidated Statements of Cash FlowsStatements6 falsefalseR7.htm9952156 - Disclosure - Organization and Basis of PresentationSheethttp://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationOrganization and Basis of PresentationNotes7 falsefalseR8.htm9952157 - Disclosure - Arq AcquisitionSheethttp://www.advancedemissionssolutions.com/role/ArqAcquisitionArq AcquisitionNotes8 falsefalseR9.htm9952158 - Disclosure - RevenuesSheethttp://www.advancedemissionssolutions.com/role/RevenuesRevenuesNotes9 falsefalseR10.htm9952159 - Disclosure - Inventories, netSheethttp://www.advancedemissionssolutions.com/role/InventoriesnetInventories, netNotes10 falsefalseR11.htm9952160 - Disclosure - Debt ObligationsSheethttp://www.advancedemissionssolutions.com/role/DebtObligationsDebt ObligationsNotes11 falsefalseR12.htm9952161 - Disclosure - LeasesSheethttp://www.advancedemissionssolutions.com/role/LeasesLeasesNotes12 falsefalseR13.htm9952162 - Disclosure - Commitments and ContingenciesSheethttp://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesCommitments and ContingenciesNotes13 falsefalseR14.htm9952163 - Disclosure - Supplemental Financial InformationSheethttp://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationSupplemental Financial InformationNotes14 falsefalseR15.htm9952164 - Disclosure - Stockholders' EquitySheethttp://www.advancedemissionssolutions.com/role/StockholdersEquityStockholders' EquityNotes15 falsefalseR16.htm9952165 - Disclosure - Stock-Based CompensationSheethttp://www.advancedemissionssolutions.com/role/StockBasedCompensationStock-Based CompensationNotes16 falsefalseR17.htm9952166 - Disclosure - Income TaxesSheethttp://www.advancedemissionssolutions.com/role/IncomeTaxesIncome TaxesNotes17 falsefalseR18.htm9952167 - Disclosure - Marshall MineSheethttp://www.advancedemissionssolutions.com/role/MarshallMineMarshall MineNotes18 falsefalseR19.htm9952168 - Disclosure - Subsequent EventsSheethttp://www.advancedemissionssolutions.com/role/SubsequentEventsSubsequent EventsNotes19 falsefalseR20.htm995410 - Disclosure - Pay vs Performance DisclosureSheethttp://xbrl.sec.gov/ecd/role/PvpDisclosurePay vs Performance DisclosureNotes20 falsefalseR21.htm995445 - Disclosure - Insider Trading ArrangementsSheethttp://xbrl.sec.gov/ecd/role/InsiderTradingArrangementsInsider Trading ArrangementsNotes21 falsefalseR22.htm9954471 - Disclosure - Organization and Basis of Presentation (Policies)Sheethttp://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationPoliciesOrganization and Basis of Presentation (Policies)Policies22 falsefalseR23.htm9954472 - Disclosure - Organization and Basis of Presentation (Tables)Sheethttp://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationTablesOrganization and Basis of Presentation (Tables)Tableshttp://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentation23 falsefalseR24.htm9954473 - Disclosure - Arq Acquisition (Tables)Sheethttp://www.advancedemissionssolutions.com/role/ArqAcquisitionTablesArq Acquisition (Tables)Tableshttp://www.advancedemissionssolutions.com/role/ArqAcquisition24 falsefalseR25.htm9954474 - Disclosure - Revenues (Tables)Sheethttp://www.advancedemissionssolutions.com/role/RevenuesTablesRevenues (Tables)Tableshttp://www.advancedemissionssolutions.com/role/Revenues25 falsefalseR26.htm9954475 - Disclosure - Inventories, net (Tables)Sheethttp://www.advancedemissionssolutions.com/role/InventoriesnetTablesInventories, net (Tables)Tableshttp://www.advancedemissionssolutions.com/role/Inventoriesnet26 falsefalseR27.htm9954476 - Disclosure - Debt Obligations (Tables)Sheethttp://www.advancedemissionssolutions.com/role/DebtObligationsTablesDebt Obligations (Tables)Tableshttp://www.advancedemissionssolutions.com/role/DebtObligations27 falsefalseR28.htm9954477 - Disclosure - Leases (Tables)Sheethttp://www.advancedemissionssolutions.com/role/LeasesTablesLeases (Tables)Tableshttp://www.advancedemissionssolutions.com/role/Leases28 falsefalseR29.htm9954478 - Disclosure - Supplemental Financial Information (Tables)Sheethttp://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationTablesSupplemental Financial Information (Tables)Tableshttp://www.advancedemissionssolutions.com/role/SupplementalFinancialInformation29 falsefalseR30.htm9954479 - Disclosure - Stock-Based Compensation (Tables)Sheethttp://www.advancedemissionssolutions.com/role/StockBasedCompensationTablesStock-Based Compensation (Tables)Tableshttp://www.advancedemissionssolutions.com/role/StockBasedCompensation30 falsefalseR31.htm9954480 - Disclosure - Income Taxes (Tables)Sheethttp://www.advancedemissionssolutions.com/role/IncomeTaxesTablesIncome Taxes (Tables)Tableshttp://www.advancedemissionssolutions.com/role/IncomeTaxes31 falsefalseR32.htm9954481 - Disclosure - Organization and Basis of Presentation - Schedule of Calculations of Basic and Diluted Loss Per Share (Details)Sheethttp://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationScheduleofCalculationsofBasicandDilutedLossPerShareDetailsOrganization and Basis of Presentation - Schedule of Calculations of Basic and Diluted Loss Per Share (Details)Details32 falsefalseR33.htm9954482 - Disclosure - Organization and Basis of Presentation - Narrative (Details)Sheethttp://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationNarrativeDetailsOrganization and Basis of Presentation - Narrative (Details)Details33 falsefalseR34.htm9954483 - Disclosure - Arq Acquisition - Narrative (Details)Sheethttp://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetailsArq Acquisition - Narrative (Details)Details34 falsefalseR35.htm9954484 - Disclosure - Arq Acquisition - Schedule of Final Purchase Price Allocation to the Assets Acquired and Liabilities Assumed (Details)Sheethttp://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetailsArq Acquisition - Schedule of Final Purchase Price Allocation to the Assets Acquired and Liabilities Assumed (Details)Details35 falsefalseR36.htm9954485 - Disclosure - Arq Acquisition - Schedule of Pro Forma Revenues (Details)Sheethttp://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofProFormaRevenuesDetailsArq Acquisition - Schedule of Pro Forma Revenues (Details)Details36 falsefalseR37.htm9954486 - Disclosure - Revenues - Narrative (Details)Sheethttp://www.advancedemissionssolutions.com/role/RevenuesNarrativeDetailsRevenues - Narrative (Details)Details37 falsefalseR38.htm9954487 - Disclosure - Revenues - Schedule of Accounts Receivables (Details)Sheethttp://www.advancedemissionssolutions.com/role/RevenuesScheduleofAccountsReceivablesDetailsRevenues - Schedule of Accounts Receivables (Details)Details38 falsefalseR39.htm9954488 - Disclosure - Inventories, net (Details)Sheethttp://www.advancedemissionssolutions.com/role/InventoriesnetDetailsInventories, net (Details)Detailshttp://www.advancedemissionssolutions.com/role/InventoriesnetTables39 falsefalseR40.htm9954489 - Disclosure - Debt Obligations - Schedule of Debt (Details)Sheethttp://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetailsDebt Obligations - Schedule of Debt (Details)Details40 falsefalseR41.htm9954490 - Disclosure - Debt Obligations - Narrative (Details)Sheethttp://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetailsDebt Obligations - Narrative (Details)Details41 falsefalseR42.htm9954491 - Disclosure - Leases - Schedule of Operating and Finance Lease Right-Of-Use ("ROU") Assets and Liabilities (Details)Sheethttp://www.advancedemissionssolutions.com/role/LeasesScheduleofOperatingandFinanceLeaseRightOfUseROUAssetsandLiabilitiesDetailsLeases - Schedule of Operating and Finance Lease Right-Of-Use ("ROU") Assets and Liabilities (Details)Details42 falsefalseR43.htm9954492 - Disclosure - Leases - Narrative (Details)Sheethttp://www.advancedemissionssolutions.com/role/LeasesNarrativeDetailsLeases - Narrative (Details)Details43 falsefalseR44.htm9954493 - Disclosure - Leases - Schedule of Lease Liabilities (Details)Sheethttp://www.advancedemissionssolutions.com/role/LeasesScheduleofLeaseLiabilitiesDetailsLeases - Schedule of Lease Liabilities (Details)Details44 falsefalseR45.htm9954494 - Disclosure - Commitments and Contingencies (Details)Sheethttp://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetailsCommitments and Contingencies (Details)Detailshttp://www.advancedemissionssolutions.com/role/CommitmentsandContingencies45 falsefalseR46.htm9954495 - Disclosure - Supplemental Financial Information - Schedule of Other Long Term Assets (Details)Sheethttp://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetailsSupplemental Financial Information - Schedule of Other Long Term Assets (Details)Details46 falsefalseR47.htm9954496 - Disclosure - Supplemental Financial Information - Narrative (Details)Sheethttp://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationNarrativeDetailsSupplemental Financial Information - Narrative (Details)Details47 falsefalseR48.htm9954497 - Disclosure - Supplemental Financial Information - Schedule of Other Liabilities (Details)Sheethttp://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetailsSupplemental Financial Information - Schedule of Other Liabilities (Details)Details48 falsefalseR49.htm9954498 - Disclosure - Supplemental Financial Information - Schedule of Change in Asset Retirement Obligation (Details)Sheethttp://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofChangeinAssetRetirementObligationDetailsSupplemental Financial Information - Schedule of Change in Asset Retirement Obligation (Details)Details49 falsefalseR50.htm9954499 - Disclosure - Stockholders' Equity (Details)Sheethttp://www.advancedemissionssolutions.com/role/StockholdersEquityDetailsStockholders' Equity (Details)Detailshttp://www.advancedemissionssolutions.com/role/StockholdersEquity50 falsefalseR51.htm9954500 - Disclosure - Stock-Based Compensation - Schedule of Allocation of Compensation Expense (Details)Sheethttp://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofAllocationofCompensationExpenseDetailsStock-Based Compensation -

Schedule of Allocation of Compensation Expense (Details)Details51 falsefalseR52.htm9954501 - Disclosure - Stock-Based Compensation - Schedule of Unrecognized Compensation Cost (Details)Sheethttp://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofUnrecognizedCompensationCostDetailsStock-Based Compensation - Schedule of Unrecognized Compensation Cost (Details)Details52 falsefalseR53.htm9954502 - Disclosure - Stock-Based Compensation - Narrative (Details)Sheethttp://www.advancedemissionssolutions.com/role/StockBasedCompensationNarrativeDetailsStock-Based Compensation - Narrative (Details)Details53 falsefalseR54.htm9954503 - Disclosure - Stock-Based Compensation - Schedule of Restricted Stock Activity (Details)Sheethttp://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofRestrictedStockActivityDetailsStock-Based Compensation - Schedule of Restricted Stock Activity (Details)Details54 falsefalseR55.htm9954504 - Disclosure - Stock-Based Compensation - Schedule of Performance Shares Units (Details)Sheethttp://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofPerformanceSharesUnitsDetailsStock-Based Compensation - Schedule of Performance Shares Units (Details)Details55 falsefalseR56.htm9954505 - Disclosure - Stock-Based Compensation - Summary of Option Activity (Details)Sheethttp://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetailsStock-Based Compensation - Summary of Option Activity (Details)Details56 falsefalseR57.htm9954506 - Disclosure - Income Taxes - Schedule of Income Tax Expense and Effective Tax Rates (Details)Sheethttp://www.advancedemissionssolutions.com/role/IncomeTaxesScheduleofIncomeTaxExpenseandEffectiveTaxRatesDetailsIncome Taxes - Schedule of Income Tax Expense and Effective Tax Rates (Details)Details57 falsefalseR58.htm9954507 - Disclosure - Income Taxes - Narrative (Details)Sheethttp://www.advancedemissionssolutions.com/role/IncomeTaxesNarrativeDetailsIncome Taxes - Narrative (Details)Details58 falsefalseR59.htm9954508 - Disclosure - Marshall Mine (Details)Sheethttp://www.advancedemissionssolutions.com/role/MarshallMineDetailsMarshall Mine (Details)Detailshttp://www.advancedemissionssolutions.com/role/MarshallMine59 falsefalseAll ReportsBookAll Reports ades-20240930.htmades-20240930.xsdades-20240930_cal.xmlades-20240930_def.xmlades-20240930_lab.xmlades-20240930_pre.xml http://fasb.org/us-gaap/2024http://xbrl.sec.gov/dei/2024http://xbrl.sec.gov/ecd/2024truetrue JSON 77 MetaLinks.json IDEA: XBRL DOCUMENT { "version": "2.2", "instance": { "ades-20240930.htm": { "nsprefix": "ades", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "dts": { "inline": { "local": ["ades-20240930.htm"] }, "schema": { "local": ["ades-20240930.xsd"], "remote": ["http://www.xbrl.org/2003/xbrl-instance-2003-12-31.xsd", "http://www.xbrl.org/2003/xbrl-linkbase-2003-12-31.xsd", "http://www.xbrl.org/2003/xl-2003-12-31.xsd", "http://www.xbrl.org/2003/xlink-2003-12-31.xsd", "http://www.xbrl.org/2005/xbrldt-2005.xsd", "http://www.xbrl.org/2006/ref-2006-02-27.xsd", "http://www.xbrl.org/lrr/role/negated-2009-12-16.xsd", "http://www.xbrl.org/lrr/role/net-2009-12-16.xsd", "http://www.xbrl.org/lrr/role/reference-2009-12-16.xsd", "https://www.xbrl.org/2020/extensible-enumerations-2.0.xsd", "https://www.xbrl.org/dtr/type/2020-01-21/types.xsd", "https://www.xbrl.org/dtr/type/2022-03-31/types.xsd", "https://xbrl.fasb.org/srt/2024/elts/srt-2024.xsd", "https://xbrl.fasb.org/srt/2024/elts/srt-roles-2024.xsd", "https://xbrl.fasb.org/srt/2024/elts/srt-types-2024.xsd", "https://xbrl.fasb.org/us-gaap/2024/elts/us-gaap-2024.xsd", "https://xbrl.fasb.org/us-gaap/2024/elts/us-roles-2024.xsd", "https://xbrl.fasb.org/us-gaap/2024/elts/us-types-2024.xsd", "https://xbrl.sec.gov/country/2024/country-2024.xsd", "https://xbrl.sec.gov/dei/2024/dei-2024.xsd", "https://xbrl.sec.gov/ecd/2024/ecd-2024.xsd", "https://xbrl.sec.gov/stpr/2024/stpr-2024.xsd"] }, "calculationLink": { "local": ["ades-20240930_cal.xml"] }, "definitionLink": { "local": ["ades-20240930_def.xml"] }, "labelLink": { "local": ["ades-20240930_lab.xml"] }, "presentationLink": { "local": ["ades-20240930_pre.xml"] } }, "keyStandard": 306, "keyCustom": 47, "axisStandard": 26, "axisCustom": 1, "memberStandard": 26, "memberCustom": 35, "hidden": { "total": 15, "http://fasb.org/us-gaap/2024": 10, "http://xbrl.sec.gov/dei/2024": 5 }, "contextCount": 189, "entityCount": 1, "segmentCount": 66, "elementCount": 642, "unitCount": 6, "baseTaxonomies": { "http://fasb.org/us-gaap/2024": 754, "http://xbrl.sec.gov/dei/2024": 30, "http://xbrl.sec.gov/ecd/2024": 4 }, "report": { "R1": { "role": "http://www.advancedemissionssolutions.com/role/CoverPage", "longName": "0000001 - Document - Cover Page", "shortName": "Cover Page", "isDefault": "true", "groupType": "document", "subGroupType": "", "menuCat": "Cover", "order": "1", "firstAnchor": { "contextRef": "c-1", "name": "dei:DocumentType", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "dei:DocumentType", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R2": { "role": "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets", "longName": "9952151 - Statement - Condensed Consolidated Balance Sheets", "shortName": "Condensed Consolidated Balance Sheets", "isDefault": "false", "groupType": "statement", "subGroupType": "", "menuCat": "Statements", "order": "2", "firstAnchor": { "contextRef": "c-3", "name": "us-gaap:CashAndCashEquivalentsAtCarryingValue", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-3", "name": "us-gaap:CashAndCashEquivalentsAtCarryingValue", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R3": { "role": "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheetsParenthetical", "longName": "9952152 - Statement - Condensed Consolidated Balance Sheets (Parenthetical)", "shortName": "Condensed Consolidated Balance Sheets (Parenthetical)", "isDefault": "false", "groupType": "statement", "subGroupType": "parenthetical", "menuCat": "Statements", "order": "3", "firstAnchor": { "contextRef": "c-3", "name": "us-gaap:PropertyPlantAndEquipmentAndFinanceLeaseRightOfUseAssetAccumulatedDepreciationAndAmortization", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "div", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-3", "name": "us-gaap:PropertyPlantAndEquipmentAndFinanceLeaseRightOfUseAssetAccumulatedDepreciationAndAmortization", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "div", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R4": { "role": "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations", "longName": "9952153 - Statement - Condensed Consolidated Statements of Operations", "shortName": "Condensed Consolidated Statements of Operations", "isDefault": "false", "groupType": "statement", "subGroupType": "", "menuCat": "Statements", "order": "4", "firstAnchor": { "contextRef": "c-5", "name": "us-gaap:RevenueFromContractWithCustomerIncludingAssessedTax", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-5", "name": "us-gaap:RevenueFromContractWithCustomerIncludingAssessedTax", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R5": { "role": "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity", "longName": "9952154 - Statement - Condensed Consolidated Statements of Changes in Stockholders' Equity", "shortName": "Condensed Consolidated Statements of Changes in Stockholders' Equity", "isDefault": "false", "groupType": "statement", "subGroupType": "", "menuCat": "Statements", "order": "5", "firstAnchor": { "contextRef": "c-37", "name": "us-gaap:SharesOutstanding", "unitRef": "shares", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": ["span", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-42", "name": "us-gaap:StockIssuedDuringPeriodSharesShareBasedCompensation", "unitRef": "shares", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": ["span", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "unique": true } }, "R6": { "role": "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows", "longName": "9952155 - Statement - Condensed Consolidated Statements of Cash Flows", "shortName": "Condensed Consolidated Statements of Cash Flows", "isDefault": "false", "groupType": "statement", "subGroupType": "", "menuCat": "Statements", "order": "6", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:NetIncomeLoss", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:DepreciationDepletionAndAmortization", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "unique": true } }, "R7": { "role": "http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentation", "longName": "9952156 - Disclosure - Organization and Basis of Presentation", "shortName": "Organization and Basis of Presentation", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "7", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:OrganizationConsolidationBasisOfPresentationBusinessDescriptionAndAccountingPoliciesTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:OrganizationConsolidationBasisOfPresentationBusinessDescriptionAndAccountingPoliciesTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R8": { "role": "http://www.advancedemissionssolutions.com/role/ArqAcquisition", "longName": "9952157 - Disclosure - Arq Acquisition", "shortName": "Arq Acquisition", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "8", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:MergersAcquisitionsAndDispositionsDisclosuresTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:MergersAcquisitionsAndDispositionsDisclosuresTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R9": { "role": "http://www.advancedemissionssolutions.com/role/Revenues", "longName": "9952158 - Disclosure - Revenues", "shortName": "Revenues", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "9", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:RevenueFromContractWithCustomerTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:RevenueFromContractWithCustomerTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R10": { "role": "http://www.advancedemissionssolutions.com/role/Inventoriesnet", "longName": "9952159 - Disclosure - Inventories, net", "shortName": "Inventories, net", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "10", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:InventoryDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:InventoryDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R11": { "role": "http://www.advancedemissionssolutions.com/role/DebtObligations", "longName": "9952160 - Disclosure - Debt Obligations", "shortName": "Debt Obligations", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "11", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:DebtDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:DebtDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R12": { "role": "http://www.advancedemissionssolutions.com/role/Leases", "longName": "9952161 - Disclosure - Leases", "shortName": "Leases", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "12", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:LesseeFinanceLeasesTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:LesseeFinanceLeasesTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R13": { "role": "http://www.advancedemissionssolutions.com/role/CommitmentsandContingencies", "longName": "9952162 - Disclosure - Commitments and Contingencies", "shortName": "Commitments and Contingencies", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "13", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:CommitmentsContingenciesAndGuaranteesTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:CommitmentsContingenciesAndGuaranteesTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R14": { "role": "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformation", "longName": "9952163 - Disclosure - Supplemental Financial Information", "shortName": "Supplemental Financial Information", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "14", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:AdditionalFinancialInformationDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:AdditionalFinancialInformationDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R15": { "role": "http://www.advancedemissionssolutions.com/role/StockholdersEquity", "longName": "9952164 - Disclosure - Stockholders' Equity", "shortName": "Stockholders' Equity", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "15", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:StockholdersEquityNoteDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:StockholdersEquityNoteDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null,

"ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R16": { "role": "http://www.advancedemissionssolutions.com/role/StockBasedCompensation", "longName": "9952165 - Disclosure - Stock-Based Compensation", "shortName": "Stock-Based Compensation", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "16", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R17": { "role": "http://www.advancedemissionssolutions.com/role/IncomeTaxes", "longName": "9952166 - Disclosure - Income Taxes", "shortName": "Income Taxes", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "17", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:IncomeTaxDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:IncomeTaxDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R18": { "role": "http://www.advancedemissionssolutions.com/role/MarshallMine", "longName": "9952167 - Disclosure - Marshall Mine", "shortName": "Marshall Mine", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "18", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:BusinessCombinationDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:BusinessCombinationDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R19": { "role": "http://www.advancedemissionssolutions.com/role/SubsequentEvents", "longName": "9952168 - Disclosure - Subsequent Events", "shortName": "Subsequent Events", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "19", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:SubsequentEventsTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:SubsequentEventsTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R20": { "role": "http://xbrl.sec.gov/ecd/role/PvpDisclosure", "longName": "995410 - Disclosure - Pay vs Performance Disclosure", "shortName": "Pay vs Performance Disclosure", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "20", "firstAnchor": { "contextRef": "c-5", "name": "us-gaap:NetIncomeLoss", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true } }, "uniqueAnchor": null }, "R21": { "role": "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements", "longName": "995445 - Disclosure - Insider Trading Arrangements", "shortName": "Insider Trading Arrangements", "isDefault": "false", "groupType": "disclosure", "subGroupType": "", "menuCat": "Notes", "order": "21", "firstAnchor": { "contextRef": "c-5", "name": "ecd:Rule10b51ArrAdoptedFlag", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ecd:NonRule10b51ArrAdoptedFlag", "span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-5", "name": "ecd:Rule10b51ArrAdoptedFlag", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ecd:NonRule10b51ArrAdoptedFlag", "span", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R22": { "role": "http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationPolicies", "longName": "9954471 - Disclosure - Organization and Basis of Presentation (Policies)", "shortName": "Organization and Basis of Presentation (Policies)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "policies", "menuCat": "Policies", "order": "22", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:BasisOfAccountingPolicyPolicyTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:BasisOfAccountingPolicyPolicyTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R23": { "role": "http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationTables", "longName": "9954472 - Disclosure - Organization and Basis of Presentation (Tables)", "shortName": "Organization and Basis of Presentation (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "23", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R24": { "role": "http://www.advancedemissionssolutions.com/role/ArqAcquisitionTables", "longName": "9954473 - Disclosure - Arq Acquisition (Tables)", "shortName": "Arq Acquisition (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "24", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfRecognizedIdentifiedAssetsAcquiredAndLiabilitiesAssumedTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfRecognizedIdentifiedAssetsAcquiredAndLiabilitiesAssumedTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R25": { "role": "http://www.advancedemissionssolutions.com/role/RevenuesTables", "longName": "9954474 - Disclosure - Revenues (Tables)", "shortName": "Revenues (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "25", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfAccountsNotesLoansAndFinancingReceivableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfAccountsNotesLoansAndFinancingReceivableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R26": { "role": "http://www.advancedemissionssolutions.com/role/InventoriesnetTables", "longName": "9954475 - Disclosure - Inventories, net (Tables)", "shortName": "Inventories, net (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "26", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfInventoryCurrentTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfInventoryCurrentTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R27": { "role": "http://www.advancedemissionssolutions.com/role/DebtObligationsTables", "longName": "9954476 - Disclosure - Debt Obligations (Tables)", "shortName": "Debt Obligations (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "27", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfDebtTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfDebtTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R28": { "role": "http://www.advancedemissionssolutions.com/role/LeasesTables", "longName": "9954477 - Disclosure - Leases (Tables)", "shortName": "Leases (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "28", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:LeaseCostTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:LeaseCostTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R29": { "role": "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationTables", "longName": "9954478 - Disclosure - Supplemental Financial Information (Tables)", "shortName": "Supplemental Financial Information (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "29", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:DeferredCostsCapitalizedPrepaidAndOtherAssetsDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:DeferredCostsCapitalizedPrepaidAndOtherAssetsDisclosureTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R30": { "role": "http://www.advancedemissionssolutions.com/role/StockBasedCompensationTables", "longName": "9954479 - Disclosure - Stock-Based Compensation (Tables)", "shortName": "Stock-Based Compensation (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "30", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfCompensationCostForShareBasedPaymentArrangementsAllocationOfShareBasedCompensationCostsByPlanTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "us-gaap:ScheduleOfCompensationCostForShareBasedPaymentArrangementsAllocationOfShareBasedCompensationCostsByPlanTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R31": { "role": "http://www.advancedemissionssolutions.com/role/IncomeTaxesTables", "longName": "9954480 - Disclosure - Income Taxes (Tables)", "shortName": "Income Taxes (Tables)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "tables", "menuCat": "Tables", "order": "31", "firstAnchor": { "contextRef": "c-1", "name": "ades:ScheduleofIncomeTaxExpenseandEffectiveTaxRatesTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-1", "name": "ades:ScheduleofIncomeTaxExpenseandEffectiveTaxRatesTableTextBlock", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": ["ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R32": { "role": "http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationScheduleofCalculationsofBasicandDilutedLossPerShareDetails", "longName": "9954481 - Disclosure - Organization and Basis of Presentation - Schedule of Calculations of Basic and Diluted Loss Per Share (Details)", "shortName": "Organization and Basis of Presentation - Schedule of Calculations of Basic and Diluted Loss Per Share (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "32", "firstAnchor": { "contextRef": "c-5", "name": "us-gaap:NetIncomeLoss", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-5", "name": "us-gaap:RedeemablePreferredStockDividends", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "unique": true } }, "R33": { "role": "http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationNarrativeDetails", "longName": "9954482 - Disclosure - Organization and Basis of Presentation - Narrative (Details)", "shortName": "Organization and Basis of Presentation - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "33", "firstAnchor": { "contextRef": "c-72", "name": "us-gaap:MinorityInterestOwnershipPercentageByParent", "unitRef": "number", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true }, "uniqueAnchor": null }, "R34": { "role": "http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails", "longName": "9954483 - Disclosure - Arq Acquisition - Narrative (Details)", "shortName": "Arq Acquisition - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "34", "firstAnchor": { "contextRef": "c-3", "name": "us-gaap:CommonStockParOrStatedValuePerShare", "unitRef": "usdPerShare", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": ["span", "div", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-76", "name": "us-gaap:TemporaryEquityParOrStatedValuePerShare", "unitRef": "usdPerShare", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "unique": true } }, "R35": { "role": "http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails", "longName": "9954484 - Disclosure - Arq Acquisition - Schedule of Final Purchase Price Allocation to the Assets Acquired and Liabilities Assumed (Details)", "shortName": "Arq Acquisition - Schedule of Final Purchase Price Allocation to the Assets Acquired and Liabilities Assumed (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "35", "firstAnchor": { "contextRef": "c-79", "name": "us-gaap:BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCashAndEquivalents", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals":

```
"-3", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:ScheduleOfRecognizedIdentifiedAssetsAcquiredAndLiabilitiesAssumedTableTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-79", "name": "us-gaap:BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCashAndEquivalents", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:ScheduleOfRecognizedIdentifiedAssetsAcquiredAndLiabilitiesAssumedTableTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R36": { "role": "http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofProFormaRevenuesDetails", "longName": "9954485 - Disclosure - Arq Acquisition - Schedule of Pro Forma Revenues (Details)", "shortName": "Arq Acquisition - Schedule of Pro Forma Revenues (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "36", "firstAnchor": { "contextRef": "c-7", "name": "us-gaap:BusinessAcquisitionsProFormaRevenue", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": [ "span", "td", "tr", "table", "div", "ix:continuation", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-7", "name": "us-gaap:BusinessAcquisitionsProFormaRevenue", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": [ "span", "td", "tr", "table", "div", "ix:continuation", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R37": { "role": "http://www.advancedemissionssolutions.com/role/RevenuesNarrativeDetails", "longName": "9954486 - Disclosure - Revenues - Narrative (Details)", "shortName": "Revenues - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "37", "firstAnchor": { "contextRef": "c-1", "name": "us-gaap:RevenuePerformanceObligationDescriptionOfTiming", "unitRef": null, "xsiNil": "false", "lang": "en-US", "decimals": null, "ancestors": [ "span", "div", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-87", "name": "us-gaap:ConcentrationRiskPercentage1", "unitRef": "number", "xsiNil": "false", "lang": "en-US", "decimals": "2", "ancestors": [ "span", "div", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "unique": true } }, "R38": { "role": "http://www.advancedemissionssolutions.com/role/RevenuesScheduleofAccountsReceivablesDetails", "longName": "9954487 - Disclosure - Revenues - Schedule of Accounts Receivables (Details)", "shortName": "Revenues - Schedule of Accounts Receivables (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "38", "firstAnchor": { "contextRef": "c-3", "name": "us-gaap:AccountsReceivableNetCurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:ScheduleOfAccountsNotesLoansAndFinancingReceivableTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-91", "name": "us-gaap:AccountsReceivableNetCurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:ScheduleOfAccountsNotesLoansAndFinancingReceivableTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "unique": true } }, "R39": { "role": "http://www.advancedemissionssolutions.com/role/InventoriesnetDetails", "longName": "9954488 - Disclosure - Inventories, net (Details)", "shortName": "Inventories, net (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "39", "firstAnchor": { "contextRef": "c-3", "name": "us-gaap:InventoryFinishedGoods", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": [ "span", "td", "tr", "table", "div", "ix:continuation", "us-gaap:ScheduleOfInventoryCurrentTableTextBlock", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-3", "name": "us-gaap:InventoryFinishedGoods", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": [ "span", "td", "tr", "table", "div", "ix:continuation", "us-gaap:ScheduleOfInventoryCurrentTableTextBlock", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R40": { "role": "http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails", "longName": "9954489 - Disclosure - Debt Obligations - Schedule of Debt (Details)", "shortName": "Debt Obligations - Schedule of Debt (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "40", "firstAnchor": { "contextRef": "c-3", "name": "us-gaap:FinanceLeaseLiability", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:LeaseCostTableTextBlock", "ix:continuation", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-3", "name": "us-gaap:OtherLongTermDebt", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:ScheduleOfDebtTableTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "unique": true } }, "R41": { "role": "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails", "longName": "9954490 - Disclosure - Debt Obligations - Narrative (Details)", "shortName": "Debt Obligations - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "41", "firstAnchor": { "contextRef": "c-3", "name": "us-gaap:DebtInstrumentUnamortizedDiscount", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:ScheduleOfDebtTableTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-113", "name": "ades:DebtInstrumentPostTransactionFromExerciseOfWarrant", "unitRef": "number", "xsiNil": "false", "lang": "en-US", "decimals": "3", "ancestors": [ "span", "div", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "unique": true } }, "R42": { "role": "http://www.advancedemissionssolutions.com/role/LeasesScheduleofOperatingandFinanceLeaseRightOfUseROUAssetsandLiabilitiesDetails", "longName": "9954491 - Disclosure - Leases - Schedule of Operating and Finance Lease Right-Of-Use (\"ROU\") Assets and Liabilities (Details)", "shortName": "Leases - Schedule of Operating and Finance Lease Right-Of-Use (\"ROU\") Assets and Liabilities (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "42", "firstAnchor": { "contextRef": "c-3", "name": "us-gaap:OperatingLeaseRightOfUseAsset", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:DeferredCostsCapitalizedPrepaidAndOtherAssetsDisclosureTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-3", "name": "us-gaap:OperatingLeaseLiability", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:LeaseCostTableTextBlock", "ix:continuation", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "unique": true } }, "R43": { "role": "http://www.advancedemissionssolutions.com/role/LeasesNarrativeDetails", "longName": "9954492 - Disclosure - Leases - Narrative (Details)", "shortName": "Leases - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "43", "firstAnchor": { "contextRef": "c-5", "name": "us-gaap:OperatingLeaseExpense", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-5", "ancestors": [ "span", "div", "ix:continuation", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-5", "name": "us-gaap:OperatingLeaseExpense", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-5", "ancestors": [ "span", "div", "ix:continuation", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R44": { "role": "http://www.advancedemissionssolutions.com/role/LeasesScheduleofLeaseLiabilitiesDetails", "longName": "9954493 - Disclosure - Leases - Schedule of Lease Liabilities (Details)", "shortName": "Leases - Schedule of Lease Liabilities (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "44", "firstAnchor": { "contextRef": "c-5", "name": "us-gaap:FinanceLeaseRightOfUseAssetAmortization", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": [ "span", "td", "tr", "table", "div", "ix:continuation", "ix:continuation", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-5", "name": "us-gaap:FinanceLeaseRightOfUseAssetAmortization", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": [ "span", "td", "tr", "table", "div", "ix:continuation", "ix:continuation", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R45": { "role": "http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails", "longName": "9954494 - Disclosure - Commitments and Contingencies (Details)", "shortName": "Commitments and Contingencies (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "45", "firstAnchor": { "contextRef": "c-3", "name": "us-gaap:RestrictedCashNoncurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-5", "ancestors": [ "span", "div", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-3", "name": "us-gaap:RestrictedCashNoncurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-5", "ancestors": [ "span", "div", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R46": { "role": "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails", "longName": "9954495 - Disclosure - Supplemental Financial Information - Schedule of Other Long Term Assets (Details)", "shortName": "Supplemental Financial Information - Schedule of Other Long Term Assets (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "46", "firstAnchor": { "contextRef": "c-3", "name": "us-gaap:PrepaidExpenseCurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:DeferredCostsCapitalizedPrepaidAndOtherAssetsDisclosureTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-3", "name": "us-gaap:PrepaidExpenseCurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:DeferredCostsCapitalizedPrepaidAndOtherAssetsDisclosureTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R47": { "role": "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationNarrativeDetails", "longName": "9954496 - Disclosure - Supplemental Financial Information - Narrative (Details)", "shortName": "Supplemental Financial Information - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "47", "firstAnchor": { "contextRef": "c-5", "name": "us-gaap:IncomeLossFromEquityMethodInvestments", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": [ "span", "td", "tr", "table", "div", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-142", "name": "us-gaap:EquityMethodInvestments", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-5", "ancestors": [ "span", "div", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "unique": true } }, "R48": { "role": "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails", "longName": "9954497 - Disclosure - Supplemental Financial Information - Schedule of Other Liabilities (Details)", "shortName": "Supplemental Financial Information - Schedule of Other Liabilities (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "48", "firstAnchor": { "contextRef": "c-3", "name": "us-gaap:OperatingLeaseLiabilityCurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:OtherLiabilitiesTableTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-3", "name": "us-gaap:TaxesPayableCurrent", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:OtherLiabilitiesTableTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "unique": true } }, "R49": { "role": "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofChangeinAssetRetirementObligationDetails", "longName": "9954498 - Disclosure - Supplemental Financial Information - Schedule of Change in Asset Retirement Obligation (Details)", "shortName": "Supplemental Financial Information - Schedule of Change in Asset Retirement Obligation (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "49", "firstAnchor": { "contextRef": "c-4", "name": "us-gaap:AssetRetirementObligation", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:ScheduleOfChangeInAssetRetirementObligationTableTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-41", "name": "us-gaap:AssetRetirementObligation", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:ScheduleOfChangeInAssetRetirementObligationTableTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "unique": true } }, "R50": { "role": "http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails", "longName": "9954499 - Disclosure - Stockholders' Equity (Details)", "shortName": "Stockholders' Equity (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "50", "firstAnchor": { "contextRef": "c-5", "name": "us-gaap:StockIssuedDuringPeriodValueNewIssues", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": [ "span", "td", "tr", "table", "div", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-162", "name": "us-gaap:SaleOfStockNumberOfSharesIssuedInTransaction", "unitRef": "shares", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": [ "span", "div", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "unique": true } }, "R51": { "role": "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofAllocationofCompensationExpenseDetails", "longName": "9954500 - Disclosure - Stock-Based Compensation - Schedule of Allocation of Compensation Expense (Details)", "shortName": "Stock-Based Compensation - Schedule of Allocation of Compensation Expense (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "51", "firstAnchor": { "contextRef": "c-5", "name": "us-gaap:AllocatedShareBasedCompensationExpense", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:ScheduleOfCompensationCostForShareBasedPaymentArrangementsAllocationOfShareBasedCompensationCostsByPlanTableTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-5", "name": "us-gaap:AllocatedShareBasedCompensationExpense", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": [ "span", "td", "tr", "table", "div", "us-gaap:ScheduleOfCompensationCostForShareBasedPaymentArrangementsAllocationOfShareBasedCompensationCostsByPlanTableTextBlock", "ix:continuation", "body", "html" ], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R52": { "role": "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofUnrecognizedCompensationCostDetails", "longName": "9954501 - Disclosure - Stock-Based Compensation - Schedule of Unrecognized Compensation Cost (Details)", "shortName": "Stock-Based Compensation - Schedule of Unrecognized Compensation Cost (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "52", "firstAnchor": { "contextRef": "c-3", "name": "us-
```

gaap:EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedShareBasedAwardsOtherThanOptions", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfUnrecognizedCompensationCostNonvestedAwardsTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-3", "name": "us-gaap:EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedShareBasedAwardsOtherThanOptions", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfUnrecognizedCompensationCostNonvestedAwardsTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R53": { "role": "http://www.advancedemissionssolutions.com/role/StockBasedCompensationNarrativeDetails", "longName": "9954502 - Disclosure - Stock-Based Compensation - Narrative (Details)", "shortName": "Stock-Based Compensation - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "53", "firstAnchor": { "contextRef": "c-5", "name": "us-gaap:ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsGrantsInPeriod", "unitRef": "shares", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": ["us-gaap:ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsGrantsInPeriod", "span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-5", "name": "us-gaap:ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsGrantsInPeriod", "unitRef": "shares", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": ["us-gaap:ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsGrantsInPeriod", "span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R54": { "role": "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofRestrictedStockActivityDetails", "longName": "9954503 - Disclosure - Stock-Based Compensation - Schedule of Restricted Stock Activity (Details)", "shortName": "Stock-Based Compensation - Schedule of Restricted Stock Activity (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "54", "firstAnchor": { "contextRef": "c-180", "name": "us-gaap:ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedNumber", "unitRef": "shares", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfSharebasedCompensationRestrictedStockAndRestrictedStockUnitsActivityTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-180", "name": "us-gaap:ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedNumber", "unitRef": "shares", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": ["span", "td", "tr", "table", "div", "us-gaap:ScheduleOfSharebasedCompensationRestrictedStockAndRestrictedStockUnitsActivityTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R55": { "role": "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofPerformanceSharesUnitsDetails", "longName": "9954504 - Disclosure - Stock-Based Compensation - Schedule of Performance Shares Units (Details)", "shortName": "Stock-Based Compensation - Schedule of Performance Shares Units (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "55", "firstAnchor": { "contextRef": "c-181", "name": "us-gaap:ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedNumber", "unitRef": "shares", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": ["span", "td", "tr", "table", "div", "ix:continuation", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-181", "name": "us-gaap:ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedNumber", "unitRef": "shares", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": ["span", "td", "tr", "table", "div", "ix:continuation", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R56": { "role": "http://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetails", "longName": "9954505 - Disclosure - Stock-Based Compensation - Summary of Option Activity (Details)", "shortName": "Stock-Based Compensation - Summary of Option Activity (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "56", "firstAnchor": { "contextRef": "c-185", "name": "us-gaap:ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingNumber", "unitRef": "shares", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": ["span", "td", "tr", "table", "div", "ix:continuation", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-185", "name": "us-gaap:ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingNumber", "unitRef": "shares", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": ["span", "td", "tr", "table", "div", "ix:continuation", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } }, "R57": { "role": "http://www.advancedemissionssolutions.com/role/IncomeTaxesScheduleofIncomeTaxExpenseandEffectiveTaxRatesDetails", "longName": "9954506 - Disclosure - Income Taxes - Schedule of Income Tax Expense and Effective Tax Rates (Details)", "shortName": "Income Taxes - Schedule of Income Tax Expense and Effective Tax Rates (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "57", "firstAnchor": { "contextRef": "c-5", "name": "us-gaap:IncomeTaxExpenseBenefit", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-3", "ancestors": ["span", "td", "tr", "table", "div", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true }, "uniqueAnchor": null }, "R58": { "role": "http://www.advancedemissionssolutions.com/role/IncomeTaxesNarrativeDetails", "longName": "9954507 - Disclosure - Income Taxes - Narrative (Details)", "shortName": "Income Taxes - Narrative (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "58", "firstAnchor": { "contextRef": "c-5", "name": "us-gaap:EffectiveIncomeTaxRateContinuingOperations", "unitRef": "number", "xsiNil": "false", "lang": "en-US", "decimals": "2", "ancestors": ["span", "td", "tr", "table", "div", "ades:ScheduleofIncomeTaxExpenseandEffectiveTaxRatesTableTextBlock", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true }, "uniqueAnchor": { "contextRef": "c-186", "name": "us-gaap:EffectiveIncomeTaxRateContinuingOperations", "unitRef": "number", "xsiNil": "false", "lang": "en-US", "decimals": "INF", "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "unique": true } }, "R59": { "role": "http://www.advancedemissionssolutions.com/role/MarshallMineDetails", "longName": "9954508 - Disclosure - Marshall Mine (Details)", "shortName": "Marshall Mine (Details)", "isDefault": "false", "groupType": "disclosure", "subGroupType": "details", "menuCat": "Details", "order": "59", "firstAnchor": { "contextRef": "c-188", "name": "us-gaap:DisposalGroupIncludingDiscontinuedOperationConsideration", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-5", "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true }, "uniqueAnchor": { "contextRef": "c-188", "name": "us-gaap:DisposalGroupIncludingDiscontinuedOperationConsideration", "unitRef": "usd", "xsiNil": "false", "lang": "en-US", "decimals": "-5", "ancestors": ["span", "div", "ix:continuation", "body", "html"], "reportCount": 1, "baseRef": "ades-20240930.htm", "first": true, "unique": true } } }, "tag": { "us-gaap_AccountingPoliciesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccountingPoliciesAbstract", "lang": { "en-us": { "role": { "terseLabel": "Accounting Policies [Abstract]", "label": "Accounting Policies [Abstract]" } } }, "auth_ref": [] }, "ades_AccountingPoliciesLineItems": { "xbrltype": "stringItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "AccountingPoliciesLineItems", "presentation": ["http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Accounting Policies [Line Items]", "label": "Accounting Policies [Line Items]", "documentation": "Accounting Policies [Line Items]" } } }, "auth_ref": [] }, "ades_AccountingPoliciesTable": { "xbrltype": "stringItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "AccountingPoliciesTable", "presentation": ["http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Accounting Policies [Table]", "label": "Accounting Policies [Table]", "documentation": "Accounting Policies" } } }, "auth_ref": [] }, "us-gaap_AccountsNotesAndLoansReceivableLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccountsNotesAndLoansReceivableLineItems", "presentation": ["http://www.advancedemissionssolutions.com/role/RevenuesScheduleofAccountsReceivablesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Accounts, Notes, Loans and Financing Receivable [Line Items]", "label": "Accounts, Notes, Loans and Financing Receivable [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r230", "r843"] }, "us-gaap_AccountsNotesLoansAndFinancingReceivableByReceivableTypeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccountsNotesLoansAndFinancingReceivableByReceivableTypeAxis", "presentation": ["http://www.advancedemissionssolutions.com/role/RevenuesScheduleofAccountsReceivablesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Receivable Type [Axis]", "label": "Receivable Type [Axis]", "documentation": "Information by type of receivable." } } }, "auth_ref": ["r75", "r81"] }, "us-gaap_AccountsPayableAndAccruedLiabilitiesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccountsPayableAndAccruedLiabilitiesCurrent", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "terseLabel": "Accounts payable and accrued expenses", "label": "Accounts Payable and Accrued Liabilities, Current", "documentation": "Sum of the carrying values as of the balance sheet date of obligations incurred through that date and due within one year (or the operating cycle, if longer), including liabilities incurred (and for which invoices have typically been received) and payable to vendors for goods and services received, taxes, interest, rent and utilities, accrued salaries and bonuses, payroll taxes and fringe benefits." } } }, "auth_ref": ["r63", "r64"] }, "us-gaap_AccountsReceivableNetCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccountsReceivableNetCurrent", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets", "http://www.advancedemissionssolutions.com/role/RevenuesScheduleofAccountsReceivablesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Receivables, net", "label": "Accounts Receivable, after Allowance for Credit Loss, Current", "documentation": "Amount, after allowance for credit loss, of right to consideration from customer for product sold and service rendered in normal course of business, classified as current." } } }, "auth_ref": ["r842"] }, "us-gaap_AcquiredFiniteLivedIntangibleAssetsWeightedAverageUsefulLife": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AcquiredFiniteLivedIntangibleAssetsWeightedAverageUsefulLife", "presentation": ["http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails"], "lang": { "en-us": { "role": { "terseLabel": "Weighted Average Useful Life (years)", "label": "Acquired Finite-Lived Intangible Assets, Weighted Average Useful Life", "documentation": "Weighted average amortization period of finite-lived intangible assets acquired either individually or as part of a group of assets, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days." } } }, "auth_ref": ["r244", "r649"] }, "ades_AcquisitionOfMineDevelopmentCosts": { "xbrltype": "monetaryItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "AcquisitionOfMineDevelopmentCosts", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": -1.0, "order": 5.0 } }, "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Acquisition of mine development costs", "label": "Acquisition of Mine Development Costs", "documentation": "Acquisition of Mine Development Costs" } } }, "auth_ref": [] }, "ecd_Additional402vDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "Additional402vDisclosureTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Additional 402(v) Disclosure", "label": "Additional 402(v) Disclosure [Text Block]" } } }, "auth_ref": ["r753"] }, "us-gaap_AdditionalFinancialInformationDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdditionalFinancialInformationDisclosureTextBlock", "presentation": ["http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformation"], "lang": { "en-us": { "role": { "terseLabel": "Supplemental Financial Information", "label": "Additional Financial Information Disclosure [Text Block]", "documentation": "The entire disclosures of supplemental information, including descriptions and amounts, related to the balance sheet, income statement, and/or cash flow statement." } } }, "auth_ref": [] }, "ades_AdditionalOptionMember": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "AdditionalOptionMember", "presentation": ["http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails"], "lang": { "en-us": { "role": { "terseLabel": "Additional Option", "label": "Additional Option [Member]", "documentation": "Additional Option" } } }, "auth_ref": [] }, "us-gaap_AdditionalPaidInCapital": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdditionalPaidInCapital", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "terseLabel": "Additional paid-in capital", "label": "Additional Paid in Capital", "documentation": "Amount of excess of issue price over par or stated value of stock and from other transaction involving stock or

stockholder. Includes, but is not limited to, additional paid-in capital (APIC) for common and preferred stock." } } }, "auth_ref": ["r76", "r691", "r939"] }, "us-gaap_AdditionalPaidInCapitalMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdditionalPaidInCapitalMember", "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity"], "lang": { "en-us": { "role": { "terseLabel": "Additional Paid-in Capital", "label": "Additional Paid-in Capital [Member]", "documentation": "Excess of issue price over par or stated value of the entity's capital stock and amounts received from other transactions involving the entity's stock or stockholders." } } }, "auth_ref": ["r549", "r831", "r832", "r833", "r834", "r884", "r940"] }, "ecd_AdjToCompAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AdjToCompAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Adjustment to Compensation, Amount", "label": "Adjustment to Compensation Amount" } } }, "auth_ref": ["r766"] }, "ecd_AdjToCompAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AdjToCompAxis", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Adjustment to Compensation:", "label": "Adjustment to Compensation [Axis]" } } }, "auth_ref": ["r766"] }, "ecd_AdjToNonPeoNeoCompFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AdjToNonPeoNeoCompFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Adjustment to Non-PEO NEO Compensation Footnote", "label": "Adjustment to Non-PEO NEO Compensation Footnote [Text Block]" } } }, "auth_ref": ["r766"] }, "ecd_AdjToPeoCompFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AdjToPeoCompFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Adjustment To PEO Compensation, Footnote", "label": "Adjustment To PEO Compensation, Footnote [Text Block]" } } }, "auth_ref": ["r766"] }, "ades_AdjustedTermSOFRForAnInterestPeriodOfOneMonthInEffectOnTheThirdUSGovernmentSecuritiesBusinessDayMember": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "AdjustedTermSOFRForAnInterestPeriodOfOneMonthInEffectOnTheThirdUSGovernmentSecuritiesBusinessDayMember", "presentation": ["http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Adjusted Term SOFR for an Interest Period of One Month in Effect on the Third U.S. Government Securities Business Day", "label": "Adjusted Term SOFR for an Interest Period of One Month in Effect on the Third U.S. Government Securities Business Day [Member]", "documentation": "Adjusted Term SOFR for an Interest Period of One Month in Effect on the Third U.S. Government Securities Business Day" } } }, "auth_ref": [] }, "us-gaap_AdjustmentsRelatedToTaxWithholdingForShareBasedCompensation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdjustmentsRelatedToTaxWithholdingForShareBasedCompensation", "crdr": "debit", "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Repurchase of common shares to satisfy minimum tax withholdings", "label": "Share-Based Payment Arrangement, Decrease for Tax Withholding Obligation", "documentation": "Amount of decrease to equity for grantee's tax withholding obligation for award under share-based payment arrangement." } } }, "auth_ref": [] }, "us-gaap_AdjustmentsToAdditionalPaidInCapitalWarrantIssued": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdjustmentsToAdditionalPaidInCapitalWarrantIssued", "crdr": "credit", "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity"], "lang": { "en-us": { "role": { "terseLabel": "Issuance of warrant", "label": "Adjustments to Additional Paid in Capital, Warrant Issued", "documentation": "Amount of increase in additional paid in capital (APIC) resulting from the issuance of warrants. Includes allocation of proceeds of debt securities issued with detachable stock purchase warrants." } } }, "auth_ref": ["r10", "r35", "r111"] }, "us-gaap_AdjustmentsToReconcileNetIncomeLossToCashProvidedByUsedInOperatingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdjustmentsToReconcileNetIncomeLossToCashProvidedByUsedInOperatingActivitiesAbstract", "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Adjustments to reconcile net loss to net cash provided by (used in) operating activities:", "label": "Adjustments to Reconcile Net Income (Loss) to Cash Provided by (Used in) Operating Activities [Abstract]" } } }, "auth_ref": [] }, "ades_AfterJanuary2026Member": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "AfterJanuary2026Member", "presentation": ["http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "After January 2026", "label": "After January 2026 [Member]", "documentation": "After January 2026" } } }, "auth_ref": [] }, "ecd_AggtChngPnsnValInSummryCompstnTblForAplblYrMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AggtChngPnsnValInSummryCompstnTblForAplblYrMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Aggregate Change in Present Value of Accumulated Benefit for All Pension Plans Reported in Summary Compensation Table", "label": "Aggregate Change in Present Value of Accumulated Benefit for All Pension Plans Reported in Summary Compensation Table [Member]" } } }, "auth_ref": ["r799"] }, "ecd_AggtErrCompAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AggtErrCompAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Aggregate Erroneous Compensation Amount", "label": "Aggregate Erroneous Compensation Amount" } } }, "auth_ref": ["r725", "r735", "r745", "r777"] }, "ecd_AggtErrCompNotYetDeterminedTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AggtErrCompNotYetDeterminedTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Aggregate Erroneous Compensation Not Yet Determined", "label": "Aggregate Erroneous Compensation Not Yet Determined [Text Block]" } } }, "auth_ref": ["r728", "r738", "r748", "r780"] }, "ecd_AggtPnsnAdjsSvcCstMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AggtPnsnAdjsSvcCstMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Aggregate Pension Adjustments Service Cost", "label": "Aggregate Pension Adjustments Service Cost [Member]" } } }, "auth_ref": ["r800"] }, "ecd_AllAdjToCompMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AllAdjToCompMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "All Adjustments to Compensation", "label": "All Adjustments to Compensation [Member]" } } }, "auth_ref": ["r766"] }, "ecd_AllExecutiveCategoriesMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AllExecutiveCategoriesMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "All Executive Categories", "label": "All Executive Categories [Member]" } } }, "auth_ref": ["r773"] }, "ecd_AllIndividualsMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AllIndividualsMember", "presentation": ["http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure", "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure", "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements", "http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "All Individuals", "label": "All Individuals [Member]" } } }, "auth_ref": ["r729", "r739", "r749", "r773", "r781", "r785", "r793"] }, "ecd_AllTradingArrangementsMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AllTradingArrangementsMember", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"], "lang": { "en-us": { "role": { "terseLabel": "All Trading Arrangements", "label": "All Trading Arrangements [Member]" } } }, "auth_ref": ["r791"] }, "us-gaap_AllocatedShareBasedCompensationExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AllocatedShareBasedCompensationExpense", "crdr": "debit", "presentation": ["http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofAllocationofCompensationExpenseDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Total stock-based compensation expense", "label": "Share-Based Payment Arrangement, Expense", "documentation": "Amount of expense for award under share-based payment arrangement. Excludes amount capitalized." } } }, "auth_ref": ["r374", "r379"] }, "dei_AmendmentFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "AmendmentFlag", "presentation": ["http://www.advancedemissionssolutions.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Amendment Flag", "label": "Amendment Flag", "documentation": "Boolean flag that is true when the XBRL content amends previously-filed or accepted submission." } } }, "auth_ref": [] }, "us-gaap_AmortizationOfFinancingCostsAndDiscounts": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AmortizationOfFinancingCostsAndDiscounts", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 8.0 } }, "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Amortization of debt discount and debt issuance costs", "label": "Amortization of Debt Issuance Costs and Discounts", "documentation": "Amount of amortization expense attributable to debt discount (premium) and debt issuance costs." } } }, "auth_ref": ["r302", "r669", "r670", "r826", "r893"] }, "us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount", "presentation": ["http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationScheduleofCalculationsofBasicandDilutedLossPerShareDetails"], "lang": { "en-us": { "role": { "terseLabel": "Total shares excluded from diluted shares outstanding (in shares)", "label": "Antidilutive Securities Excluded from Computation of Earnings Per Share, Amount", "documentation": "Securities (including those issuable pursuant to contingent stock agreements) that could potentially dilute basic earnings per share (EPS) or earnings per unit (EPU) in the future that were not included in the computation of diluted EPS or EPU because to do so would increase EPS or EPU amounts or decrease loss per share or unit amounts for the period presented." } } }, "auth_ref": ["r207"] }, "ades_ArqLimitedMember": { "xbrltype": "domainItem", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "ArqLimitedMember", "presentation": ["http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails", "http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails", "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails", "http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Arq Limited", "label": "Arq Limited [Member]", "documentation": "Arq Limited" } } }, "auth_ref": [] }, "us-gaap_ArrangementsAndNonarrangementTransactionsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ArrangementsAndNonarrangementTransactionsMember", "presentation": ["http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails"], "lang": { "en-us": { "role": { "terseLabel": "Collaborative Arrangement and Arrangement Other than Collaborative [Domain]", "label": "Collaborative Arrangement and Arrangement Other than Collaborative [Domain]", "documentation": "Collaborative arrangement and arrangement other than collaborative applicable to revenue-generating activity or operations." } } }, "auth_ref": ["r410"] }, "us-gaap_AssetAcquisitionConsiderationTransferredEquityInterestIssuedAndIssuable": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetAcquisitionConsiderationTransferredEquityInterestIssuedAndIssuable", "crdr": "credit", "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Equity issued as consideration for acquisition of business", "label": "Asset Acquisition, Consideration Transferred, Equity Interest Issued and Issuable", "documentation": "Amount of acquirer's equity interest issued and issuable as part of consideration transferred in asset acquisition." } } }, "auth_ref": ["r880", "r881", "r882"] }, "us-gaap_AssetRetirementObligation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetRetirementObligation", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofChangeinAssetRetirementObligationDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofChangeinAssetRetirementObligationDetails"], "lang": { "en-us": { "role": { "periodStartLabel": "Asset retirement obligations, beginning of period", "periodEndLabel": "Asset retirement obligations, end of period", "label": "Asset Retirement Obligation", "documentation": "The carrying amount of a liability for an asset retirement obligation. An asset retirement obligation is a legal obligation associated with the disposal or retirement of a tangible long-lived asset that results from the acquisition, construction or development, or the normal operations of a long-lived asset, except for certain obligations of lessees." } } }, "auth_ref": ["r258", "r260"] }, "us-gaap_AssetRetirementObligationAccretionExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetRetirementObligationAccretionExpense", "crdr": "debit", "presentation": ["http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofChangeinAssetRetirementObligationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Accretion", "label": "Asset Retirement Obligation, Accretion Expense", "documentation": "Amount of accretion expense recognized during the period that is associated with an asset retirement obligation. Accretion expense measures and incorporates changes due to the passage of time into the carrying amount of the liability." } } }, "auth_ref": ["r259", "r263"] }, "us-gaap_AssetRetirementObligationCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetRetirementObligationCurrent", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofChangeinAssetRetirementObligationDetails": { "parentTag": "us-gaap_AssetRetirementObligation", "weight": 1.0, "order": 1.0 }, "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails": { "parentTag": "us-gaap_OtherLiabilitiesCurrent", "weight": 1.0, "order": 4.0 } }, "presentation": ["http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofChangeinAssetRetirementObligationDetails", "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails"], "lang": { "en-us": { "role": { "verboseLabel":

```
"Current portion of asset retirement obligations", "terseLabel": "Less current portion", "label": "Asset Retirement Obligation, Current", "documentation": "Current portion of the carrying amount of a liability for an asset retirement obligation. An asset retirement obligation is a legal obligation associated with the disposal or retirement of a tangible long-lived asset that results from the acquisition, construction or development, or the normal operations of a long-lived asset, except for certain obligations of lessees." } } }, "auth_ref": [ "r861" ] }, "us-gaap_AssetRetirementObligationLiabilitiesIncurred": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetRetirementObligationLiabilitiesIncurred", "crdr": "credit", "presentation": [
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofChangeinAssetRetirementObligationDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Asset retirement obligations assumed", "label": "Asset Retirement Obligation, Liabilities Incurred", "documentation": "Amount of asset retirement obligations incurred during the period." } } }, "auth_ref": [ "r261" ] }, "us-gaap_AssetRetirementObligationLiabilitiesSettled": { "xbrltype": "monetaryItemType", "nsuri":
"http://fasb.org/us-gaap/2024", "localname": "AssetRetirementObligationLiabilitiesSettled", "crdr": "debit", "presentation": [
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofChangeinAssetRetirementObligationDetails" ], "lang": { "en-us": { "role": { "negatedTerseLabel": "Liabilities settled", "terseLabel": "Liabilities settled", "label": "Asset Retirement Obligation, Liabilities Settled", "documentation": "Amount of asset retirement obligations settled, or otherwise disposed of, during the period. This may include asset retirement obligations transferred to third parties associated with the sale of a long-lived asset." } } }, "auth_ref": [ "r262" ] }, "us-gaap_AssetRetirementObligationPeriodIncreaseDecrease": { "xbrltype": "monetaryItemType", "nsuri":
"http://fasb.org/us-gaap/2024", "localname": "AssetRetirementObligationPeriodIncreaseDecrease", "presentation": [
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofChangeinAssetRetirementObligationDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Changes due to scope and timing of reclamation", "label": "Asset Retirement Obligation, Period Increase (Decrease)", "documentation": "Amount of increase (decrease) in asset retirement obligations." } } }, "auth_ref": [ "r861" ] }, "us-gaap_AssetRetirementObligationRollForwardAnalysisRollForward": { "xbrltype":
"stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetRetirementObligationRollForwardAnalysisRollForward", "presentation": [
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofChangeinAssetRetirementObligationDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Asset Retirement Obligation, Roll Forward Analysis [Roll Forward]", "label": "Asset Retirement Obligation, Roll Forward Analysis [Roll Forward]",
"documentation": "A roll forward is a reconciliation of a concept from the beginning of a period to the end of a period." } } }, "auth_ref": [] }, "us-
gaap_AssetRetirementObligationsNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"AssetRetirementObligationsNoncurrent", "crdr": "credit", "calculation": {
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofChangeinAssetRetirementObligationDetails": { "parentTag": "us-
gaap_AssetRetirementObligation", "weight": 1.0, "order": 2.0 },
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails": { "parentTag": "us-gaap_OtherLiabilitiesNoncurrent", "weight": 1.0, "order": 3.0 } }, "presentation": [
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofChangeinAssetRetirementObligationDetails",
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails" ], "lang": { "en-us": { "role": { "verboseLabel": "Asset retirement obligations", "terseLabel": "Asset retirement obligations, long-term", "label": "Asset Retirement Obligations, Noncurrent", "documentation": "Noncurrent portion of the carrying amount of a liability for an asset retirement obligation. An asset retirement obligation is a legal obligation associated with the disposal or retirement of a tangible long-lived asset that results from the acquisition, construction or development, or the normal operations of a long-lived asset, except for certain obligations of lessees." } } }, "auth_ref": [ "r861" ] }, "us-gaap_Assets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "Assets", "crdr": "debit",
"calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": null, "weight": null, "order": null, "root": true } },
"presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets" ], "lang": { "en-us": { "role": { "totalLabel": "Total Assets", "label": "Assets", "documentation": "Amount of asset recognized for present right to economic benefit." } } }, "auth_ref": [ "r121", "r132", "r150", "r172", "r210", "r214", "r223",
"r224", "r235", "r271", "r272", "r273", "r274", "r275", "r276", "r277", "r278", "r279", "r411", "r413", "r432", "r510", "r586", "r662", "r663", "r691", "r716", "r868", "r869",
"r898" ] }, "us-gaap_AssetsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetsAbstract", "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets" ], "lang": { "en-us": { "role": { "terseLabel": "ASSETS", "label": "Assets [Abstract]" } } }, "auth_ref": [] }, "us-gaap_AssetsCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetsCurrent", "crdr": "debit",
"calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_Assets", "weight": 1.0, "order": 3.0 } },
"presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets" ], "lang": { "en-us": { "role": { "totalLabel": "Total current assets", "label": "Assets, Current", "documentation": "Amount of asset recognized for present right to economic benefit, classified as current." } } }, "auth_ref": [ "r146", "r150",
"r172", "r235", "r271", "r272", "r273", "r274", "r275", "r276", "r277", "r278", "r279", "r411", "r413", "r432", "r691", "r868", "r869", "r898" ] }, "us-
gaap_AssetsCurrentAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetsCurrentAbstract", "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets" ], "lang": { "en-us": { "role": { "terseLabel": "Current assets:", "label": "Assets, Current [Abstract]" } } }, "auth_ref": [] }, "ecd_AwardExrcPrice": { "xbrltype": "perShareItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AwardExrcPrice",
"presentation": [ "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Exercise Price", "label": "Award Exercise Price" } } },
"auth_ref": [ "r788" ] }, "ecd_AwardGrantDateFairValue": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AwardGrantDateFairValue",
"presentation": [ "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Fair Value as of Grant Date", "label": "Award Grant Date Fair Value" } } }, "auth_ref": [ "r789" ] }, "ecd_AwardTmgDiscLineItems": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname":
"AwardTmgDiscLineItems", "lang": { "en-us": { "role": { "label": "Award Timing Disclosures [Line Items]" } } }, "auth_ref": [ "r784" ] },
"ecd_AwardTmgHowMnpiCnsdrdTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AwardTmgHowMnpiCnsdrdTextBlock",
"presentation": [ "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Award Timing, How MNPI Considered", "label": "Award Timing, How MNPI Considered [Text Block]" } } }, "auth_ref": [ "r784" ] }, "ecd_AwardTmgMethodTextBlock": { "xbrltype": "textBlockItemType", "nsuri":
"http://xbrl.sec.gov/ecd/2024", "localname": "AwardTmgMethodTextBlock", "presentation": [ "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure" ], "lang": { "en-us": { "role":
{ "terseLabel": "Award Timing Method", "label": "Award Timing Method [Text Block]" } } }, "auth_ref": [ "r784" ] }, "ecd_AwardTmgMnpiCnsdrdFlag": { "xbrltype":
"booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AwardTmgMnpiCnsdrdFlag", "presentation": [ "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"
], "lang": { "en-us": { "role": { "terseLabel": "Award Timing MNPI Considered", "label": "Award Timing MNPI Considered [Flag]" } } }, "auth_ref": [ "r784" ] },
"ecd_AwardTmgMnpiDiscTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AwardTmgMnpiDiscTextBlock", "presentation": [
"http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Award Timing MNPI Disclosure", "label": "Award Timing MNPI Disclosure [Text Block]" } } }, "auth_ref": [ "r784" ] }, "ecd_AwardTmgPredtrmndFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname":
"AwardTmgPredtrmndFlag", "presentation": [ "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Award Timing
Predetermined", "label": "Award Timing Predetermined [Flag]" } } }, "auth_ref": [ "r784" ] }, "us-gaap_AwardTypeAxis": { "xbrltype": "stringItemType", "nsuri":
"http://fasb.org/us-gaap/2024", "localname": "AwardTypeAxis", "presentation": [ "http://www.advancedemissionssolutions.com/role/StockBasedCompensationNarrativeDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofAllocationofCompensationExpenseDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofPerformanceSharesUnitsDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofRestrictedStockActivityDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofUnrecognizedCompensationCostDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetails", "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure" ], "lang":
{ "en-us": { "role": { "terseLabel": "Award Type [Axis]", "label": "Award Type [Axis]", "documentation": "Information by type of award under share-based payment arrangement." } } }, "auth_ref": [ "r348", "r349", "r350", "r351", "r352", "r353", "r354", "r355", "r356", "r357", "r358", "r359", "r360", "r361", "r362", "r363", "r364", "r365",
"r366", "r367", "r368", "r369", "r370", "r371", "r372", "r373" ] }, "ecd_AwardUndrlygSecuritiesAmt": { "xbrltype": "decimalItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024",
"localname": "AwardUndrlygSecuritiesAmt", "presentation": [ "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Underlying Securities", "label": "Award Underlying Securities Amount" } } }, "auth_ref": [ "r787" ] }, "ecd_AwardsCloseToMnpiDiscIndName": { "xbrltype": "stringItemType", "nsuri":
"http://xbrl.sec.gov/ecd/2024", "localname": "AwardsCloseToMnpiDiscIndName", "presentation": [ "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure" ], "lang": { "en-us": {
"role": { "terseLabel": "Name", "label": "Awards Close in Time to MNPI Disclosures, Individual Name" } } }, "auth_ref": [ "r786" ] }, "ecd_AwardsCloseToMnpiDiscTable": {
"xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AwardsCloseToMnpiDiscTable", "presentation": [
"http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Awards Close in Time to MNPI Disclosures", "label": "Awards Close in Time to MNPI Disclosures [Table]" } } }, "auth_ref": [ "r785" ] }, "ecd_AwardsCloseToMnpiDiscTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri":
"http://xbrl.sec.gov/ecd/2024", "localname": "AwardsCloseToMnpiDiscTableTextBlock", "presentation": [ "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure" ], "lang": { "en-
us": { "role": { "terseLabel": "Awards Close in Time to MNPI Disclosures, Table", "label": "Awards Close in Time to MNPI Disclosures [Table Text Block]" } } }, "auth_ref": [
"r785" ] }, "us-gaap_BaseRateMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BaseRateMember", "presentation": [
"http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Base Rate", "label": "Base Rate [Member]",
"documentation": "Minimum rate investor will accept." } } }, "auth_ref": [] }, "us-gaap_BasisOfAccountingPolicyPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri":
"http://fasb.org/us-gaap/2024", "localname": "BasisOfAccountingPolicyPolicyTextBlock", "presentation": [
"http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationPolicies" ], "lang": { "en-us": { "role": { "terseLabel": "Basis of Presentation", "label":
"Basis of Accounting, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for basis of accounting, or basis of presentation, used to prepare the financial statements (for example, US Generally Accepted Accounting Principles, Other Comprehensive Basis of Accounting, IFRS)." } } }, "auth_ref": [] },
"ades_BeforeOutOfPeriodStateIncomeTaxExpenseMember": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname":
"BeforeOutOfPeriodStateIncomeTaxExpenseMember", "presentation": [ "http://www.advancedemissionssolutions.com/role/IncomeTaxesNarrativeDetails" ], "lang": { "en-us": {
"role": { "terseLabel": "Before Out Of Period State Income Tax Expense", "label": "Before Out Of Period State Income Tax Expense [Member]", "documentation": "Before Out Of Period State Income Tax Expense" } } }, "auth_ref": [] }, "ades_BeginningMarch312023Member": { "xbrltype": "domainItemType", "nsuri":
"http://www.advancedemissionssolutions.com/20240930", "localname": "BeginningMarch312023Member", "presentation": [
"http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Beginning March 31, 2023", "label":
"Beginning March 31, 2023 [Member]", "documentation": "Beginning March 31, 2023" } } }, "auth_ref": [] }, "ades_Between1And36MothsMember": { "xbrltype":
"domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "Between1And36MothsMember", "presentation": [
"http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Between 1 And 36 Moths", "label": "Between 1 And 36 Moths [Member]", "documentation": "Between 1 And 36 Moths" } } }, "auth_ref": [] }, "ades_Between37MonthsAndMaturityDateMember": { "xbrltype":
"domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "Between37MonthsAndMaturityDateMember", "presentation": [
"http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Between 37 Months And Maturity Date",
"label": "Between 37 Months And Maturity Date [Member]", "documentation": "Between 37 Months And Maturity Date" } } }, "auth_ref": [] }, "us-
gaap_BusinessAcquisitionAcquireeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessAcquisitionAcquireeDomain",
"presentation": [ "http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails",
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails",
"http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails", "http://www.advancedemissionssolutions.com/role/MarshallMineDetails",
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofChangeinAssetRetirementObligationDetails" ], "lang": { "en-us": { "role": {
"terseLabel": "Business Acquisition, Acquiree [Domain]", "label": "Business Acquisition, Acquiree [Domain]", "documentation": "Identification of the acquiree in a material business combination (or series of individually immaterial business combinations), which may include the name or other type of identification of the acquiree." } } },
"auth_ref": [ "r242", "r243", "r244", "r245", "r246", "r405", "r679", "r680" ] }, "us-gaap_BusinessAcquisitionAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-
gaap/2024", "localname": "BusinessAcquisitionAxis", "presentation": [ "http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails",
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails",
"http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails", "http://www.advancedemissionssolutions.com/role/MarshallMineDetails",
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofChangeinAssetRetirementObligationDetails" ], "lang": { "en-us": { "role": {
```

"terseLabel": "Business Acquisition [Axis]", "label": "Business Acquisition [Axis]", "documentation": "Information by business combination or series of individually immaterial business combinations." } } }, "auth_ref": ["r49", "r50", "r242", "r243", "r244", "r245", "r246", "r405", "r679", "r680"] }, "us-gaap_BusinessAcquisitionEquityInterestIssuedOrIssuableValueAssigned": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessAcquisitionEquityInterestIssuedOrIssuableValueAssigned", "crdr": "credit", "presentation": [
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Business acquisition, issued number of shares issuable, value", "label": "Business Acquisition, Equity Interest Issued or Issuable, Value Assigned", "documentation": "Value of equity interests (such as common shares, preferred shares, or partnership interest) issued or issuable to acquire the entity." } } }, "auth_ref": ["r119"] }, "us-gaap_BusinessAcquisitionEquityInterestsIssuedOrIssuableNumberOfSharesIssued": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessAcquisitionEquityInterestsIssuedOrIssuableNumberOfSharesIssued", "presentation": [
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Business acquisition, issued number of shares (in shares)", "label": "Business Acquisition, Equity Interest Issued or Issuable, Number of Shares", "documentation": "Number of shares of equity interests issued or issuable to acquire entity." } } }, "auth_ref": ["r119"] }, "us-gaap_BusinessAcquisitionLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessAcquisitionLineItems", "presentation": ["http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails",
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails",
"http://www.advancedemissionssolutions.com/role/MarshallMineDetails",
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofChangeinAssetRetirementObligationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Business Acquisition [Line Items]", "label": "Business Acquisition [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r405"] }, "us-gaap_BusinessAcquisitionProFormaInformationTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessAcquisitionProFormaInformationTextBlock", "presentation": ["http://www.advancedemissionssolutions.com/role/ArqAcquisitionTables"], "lang": { "en-us": { "role": { "verboseLabel": "Schedule of Pro Forma Revenues", "label": "Business Acquisition, Pro Forma Information [Table Text Block]", "documentation": "Tabular disclosure of pro forma results of operations for a material business acquisition or series of individually immaterial business acquisitions that are material in the aggregate." } } }, "auth_ref": ["r810", "r811"] }, "us-gaap_BusinessAcquisitionsProFormaNetIncomeLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessAcquisitionsProFormaNetIncomeLoss", "crdr": "credit", "presentation": [
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofProFormaRevenuesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Net loss", "label": "Business Acquisition, Pro Forma Net Income (Loss)", "documentation": "The pro forma net Income or Loss for the period as if the business combination or combinations had been completed at the beginning of a period." } } }, "auth_ref": ["r403", "r404"] }, "us-gaap_BusinessAcquisitionsProFormaRevenue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessAcquisitionsProFormaRevenue", "crdr": "credit", "presentation": [
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofProFormaRevenuesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Revenues", "label": "Business Acquisition, Pro Forma Revenue", "documentation": "The pro forma revenue for a period as if the business combination or combinations had been completed at the beginning of the period." } } }, "auth_ref": ["r403", "r404"] }, "us-gaap_BusinessCombinationAcquisitionRelatedCosts": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationAcquisitionRelatedCosts", "crdr": "debit", "presentation": [
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Acquisition related costs", "label": "Business Combination, Acquisition Related Costs", "documentation": "This element represents acquisition-related costs incurred to effect a business combination which costs have been expensed during the period. Such costs include finder's fees; advisory, legal, accounting, valuation, and other professional or consulting fees; general administrative costs, including the costs of maintaining an internal acquisitions department; and may include costs of registering and issuing debt and equity securities." } } }, "auth_ref": ["r48"] }, "ades_BusinessCombinationAmortizationDepreciationAndAmortizationIncreaseDecrease": { "xbrltype": "monetaryItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "BusinessCombinationAmortizationDepreciationAndAmortizationIncreaseDecrease", "crdr": "debit", "presentation": ["http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Decrease in depreciation and amortization", "label": "Business Combination, Amortization, Depreciation And Amortization, Increase (Decrease)", "documentation": "Business Combination, Amortization, Depreciation And Amortization, Increase (Decrease)" } } }, "auth_ref": [] },
"ades_BusinessCombinationAmortizationIntangibleAssetsIncreaseDecrease": { "xbrltype": "monetaryItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "BusinessCombinationAmortizationIntangibleAssetsIncreaseDecrease", "crdr": "debit", "presentation": ["http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Increase in intangible assets", "label": "Business Combination, Amortization, Intangible Assets, Increase (Decrease)", "documentation": "Business Combination, Amortization, Intangible Assets, Increase (Decrease)" } } }, "auth_ref": [] }, "ades_BusinessCombinationAmortizationInterestExpenseIncreaseDecrease": { "xbrltype": "monetaryItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "BusinessCombinationAmortizationInterestExpenseIncreaseDecrease", "crdr": "debit", "presentation": [
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Increase in interest expense", "label": "Business Combination, Amortization, Interest Expense, Increase (Decrease)", "documentation": "Business Combination, Amortization, Interest Expense, Increase (Decrease)" } } }, "auth_ref": [] }, "us-gaap_BusinessCombinationAndAssetAcquisitionAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationAndAssetAcquisitionAbstract", "lang": { "en-us": { "role": { "label": "Business Combination, Asset Acquisition, and Joint Venture Formation [Abstract]" } } }, "auth_ref": [] }, "us-gaap_BusinessCombinationConsiderationTransferred1": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationConsiderationTransferred1", "presentation": ["http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Consideration transferred", "label": "Business Combination, Consideration Transferred", "documentation": "Amount of consideration transferred, consisting of acquisition-date fair value of assets transferred by the acquirer, liabilities incurred by the acquirer, and equity interest issued by the acquirer." } } }, "auth_ref": ["r0", "r1", "r9"] }, "us-gaap_BusinessCombinationContingentConsiderationLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationContingentConsiderationLiability", "crdr": "credit", "presentation": [
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Contingent consideration, liability", "label": "Business Combination, Contingent Consideration, Liability", "documentation": "Amount of liability recognized arising from contingent consideration in a business combination." } } }, "auth_ref": ["r53", "r118", "r407", "r425", "r426", "r427"] }, "us-gaap_BusinessCombinationDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationDisclosureTextBlock", "presentation": [
"http://www.advancedemissionssolutions.com/role/MarshallMine"], "lang": { "en-us": { "role": { "netLabel": "Marshall Mine", "label": "Business Combination Disclosure [Text Block]", "documentation": "The entire disclosure for a business combination (or series of individually immaterial business combinations) completed during the period, including background, timing, and recognized assets and liabilities. The disclosure may include leverage buyout transactions (as applicable)." } } }, "auth_ref": ["r115", "r406"] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedAssets", "crdr": "debit", "calculation": {
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNet", "weight": 1.0, "order": 2.0 } }, "presentation": [
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails"], "lang": { "en-us": { "role": { "totalLabel": "Amount attributable to assets acquired", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Assets", "documentation": "Amount of assets acquired at the acquisition date." } } }, "auth_ref": ["r52"] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCashAndEquivalents": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCashAndEquivalents", "crdr": "debit", "calculation": {
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedAssets", "weight": 1.0, "order": 4.0 } }, "presentation": [
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails"], "lang": { "en-us": { "role": { "terseLabel": "Cash", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Cash and Equivalents", "documentation": "Amount of currency on hand as well as demand deposits with banks or financial institutions, acquired at the acquisition date. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r52"] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentAssetsPrepaidExpenseAndOtherAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentAssetsPrepaidExpenseAndOtherAssets", "crdr": "debit", "calculation": {
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedAssets", "weight": 1.0, "order": 1.0 } }, "presentation": [
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails"], "lang": { "en-us": { "role": { "terseLabel": "Prepaid expenses and other current assets", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Assets, Prepaid Expense and Other Assets", "documentation": "Amount of asset related to consideration paid in advance for costs that provide economic benefits in future periods, and amount of other assets that are expected to be realized or consumed within one year or the normal operating cycle, if longer, acquired at the acquisition date." } } }, "auth_ref": ["r52"] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentLiabilitiesAccountsPayable": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentLiabilitiesAccountsPayable", "crdr": "credit", "calculation": {
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedLiabilities", "weight": 1.0, "order": 2.0 } }, "presentation": [
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails"], "lang": { "en-us": { "role": { "terseLabel": "Accounts payable and accrued expenses", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Liabilities, Accounts Payable", "documentation": "Amount of liabilities incurred for goods and services received that are used in an entity's business and related party payables, assumed at the acquisition date." } } }, "auth_ref": ["r52"] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentLiabilitiesDeferredRevenue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentLiabilitiesDeferredRevenue", "crdr": "credit", "calculation": {
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedLiabilities", "weight": 1.0, "order": 1.0 } }, "presentation": [
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails"], "lang": { "en-us": { "role": { "terseLabel": "Current portion of long-term debt", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Liabilities, Deferred Revenue", "documentation": "Amount of deferred revenue expected to be recognized as such within one year or the normal operating cycle, if longer, assumed at the acquisition date." } } }, "auth_ref": ["r52"] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentLiabilitiesLongTermDebt": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentLiabilitiesLongTermDebt", "crdr": "credit", "calculation": {
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedLiabilities", "weight": 1.0, "order": 4.0 } }, "presentation": [
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails"], "lang": { "en-us": { "role": { "terseLabel": "Long-term debt, net of current portion", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed,

Current Liabilities, Long-Term Debt", "documentation": "Amount of long-term debt due within one year or within the normal operating cycle, if longer, assumed at the acquisition date." } } }, "auth_ref": ["r52"] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentLiabilitiesOther": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCurrentLiabilitiesOther", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedLiabilities", "weight": 1.0, "order": 3.0 } }, "presentation": { "http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails"], "lang": { "en-us": { "role": { "terseLabel": "Other current liabilities", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Liabilities, Other", "documentation": "Amount of other liabilities due within one year or within the normal operating cycle, if longer, assumed at the acquisition date." } } }, "auth_ref": ["r52"] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedLiabilities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedLiabilities", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNet", "weight": -1.0, "order": 1.0 } }, "presentation": { "http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails"], "lang": { "en-us": { "role": { "totalLabel": "Amount attributable to liabilities assumed", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Liabilities", "documentation": "Amount of liabilities assumed at the acquisition date." } } }, "auth_ref": ["r52"] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNet", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": { "http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails"], "lang": { "en-us": { "role": { "totalLabel": "Net assets acquired", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Net", "documentation": "Amount recognized as of the acquisition date for the identifiable assets acquired in excess of (less than) the aggregate liabilities assumed." } } }, "auth_ref": ["r51", "r52"] }, "ades_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNoncurrentAssetsRestrictedCash": { "xbrltype": "monetaryItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNoncurrentAssetsRestrictedCash", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedAssets", "weight": 1.0, "order": 3.0 } }, "presentation": { "http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails"], "lang": { "en-us": { "role": { "terseLabel": "Restricted cash, long-term", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Noncurrent Assets, Restricted Cash", "documentation": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Noncurrent Assets, Restricted Cash" } } }, "auth_ref": [] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNoncurrentLiabilitiesOther": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedNoncurrentLiabilitiesOther", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedLiabilities", "weight": 1.0, "order": 5.0 } }, "presentation": { "http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails"], "lang": { "en-us": { "role": { "terseLabel": "Other long-term liabilities", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Noncurrent Liabilities, Other", "documentation": "Amount of other liabilities due after one year or the normal operating cycle, if longer, assumed at the acquisition date." } } }, "auth_ref": ["r52"] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedOtherNoncurrentAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedOtherNoncurrentAssets", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedAssets", "weight": 1.0, "order": 2.0 } }, "presentation": { "http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails"], "lang": { "en-us": { "role": { "terseLabel": "Other long-term assets, net", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Other Noncurrent Assets", "documentation": "Amount of other assets expected to be realized or consumed after one year or the normal operating cycle, if longer, acquired at the acquisition date." } } }, "auth_ref": ["r52"] }, "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedPropertyPlantAndEquipment": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedPropertyPlantAndEquipment", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails": { "parentTag": "us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedAssets", "weight": 1.0, "order": 5.0 } }, "presentation": { "http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails"], "lang": { "en-us": { "role": { "terseLabel": "Property, plant and equipment, net", "label": "Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Property, Plant, and Equipment", "documentation": "The amount of property, plant, and equipment recognized as of the acquisition date." } } }, "auth_ref": ["r51", "r52"] }, "country_CA": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/country/2024", "localname": "CA", "presentation": { "http://www.advancedemissionssolutions.com/role/RevenuesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Canada", "label": "CANADA" } } }, "auth_ref": [] }, "ades_CFGlobalCreditLPMember": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "CFGlobalCreditLPMember", "presentation": ["http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "CF Global Credit, LP", "label": "CF Global Credit, LP [Member]", "documentation": "CF Global Credit, LP" } } }, "auth_ref": [] }, "ades_CTBLoanDueJanuary2036Member": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "CTBLoanDueJanuary2036Member", "presentation": ["http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails"], "lang": { "en-us": { "role": { "terseLabel": "CTB Loan due January 2036", "label": "CTB Loan due January 2036 [Member]", "documentation": "CTB Loan due January 2036" } } }, "auth_ref": [] }, "us-gaap_CapitalExpenditureIncurredButNotYetPaid": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CapitalExpenditureIncurredButNotYetPaid", "crdr": "credit", "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Change in accrued purchases for property and equipment", "label": "Capital Expenditures Incurred but Not yet Paid", "documentation": "Future cash outflow to pay for purchases of fixed assets that have occurred." } } }, "auth_ref": ["r21", "r22", "r23"] }, "us-gaap_CashAcquiredFromAcquisition": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAcquiredFromAcquisition", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Cash and restricted cash acquired in business acquisition", "label": "Cash Acquired from Acquisition", "documentation": "The cash inflow associated with the acquisition of business during the period (for example, cash that was held by the acquired business)." } } }, "auth_ref": ["r10"] }, "us-gaap_CashAndCashEquivalentsAtCarryingValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsAtCarryingValue", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "terseLabel": "Cash", "label": "Cash and Cash Equivalents, at Carrying Value", "documentation": "Amount of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation." } } }, "auth_ref": ["r20", "r148", "r652"] }, "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents", "crdr": "debit", "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "periodStartLabel": "Cash and Restricted Cash, beginning of period", "periodEndLabel": "Cash and Restricted Cash, end of period", "label": "Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents", "documentation": "Amount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage. Excludes amount for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r20", "r95", "r169"] }, "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "totalLabel": "Increase (decrease) in Cash and Restricted Cash", "label": "Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect", "documentation": "Amount of increase (decrease) in cash, cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; including effect from exchange rate change. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r2", "r95"] }, "us-gaap_CashFlowNoncashInvestingAndFinancingActivitiesDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashFlowNoncashInvestingAndFinancingActivitiesDisclosureAbstract", "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Supplemental disclosure of non-cash investing and financing activities:", "label": "Cash Flow, Noncash Investing and Financing Activities Disclosure [Abstract]" } } }, "auth_ref": [] }, "ecd_ChangedPeerGroupFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ChangedPeerGroupFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Changed Peer Group, Footnote", "label": "Changed Peer Group, Footnote [Text Block]" } } }, "auth_ref": ["r764"] }, "ecd_ChngInFrValAsOfVstngDtOfPrrYrEqtyAwrdsVstdInCvrdYrMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ChngInFrValAsOfVstngDtOfPrrYrEqtyAwrdsVstdInCvrdYrMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year", "label": "Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year [Member]" } } }, "auth_ref": ["r761"] }, "ecd_ChngInFrValOfOutsdngAndUnvstdEqtyAwrdsGrntdInPrrYrsMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ChngInFrValOfOutsdngAndUnvstdEqtyAwrdsGrntdInPrrYrsMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Year-over-Year Change in Fair Value of Equity Awards Granted in Prior Years That are Outstanding and Unvested", "label": "Year-over-Year Change in Fair Value of Equity Awards Granted in Prior Years That are Outstanding and Unvested [Member]" } } }, "auth_ref": ["r759"] }, "dei_CityAreaCode": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "CityAreaCode", "presentation": ["http://www.advancedemissionssolutions.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "City Area Code", "label": "City Area Code", "documentation": "Area code of city" } } }, "auth_ref": [] }, "us-gaap_ClassOfStockDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ClassOfStockDomain", "presentation": ["http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Class of Stock [Domain]", "label": "Class of

Stock [Domain]", "documentation": "Share of stock differentiated by the voting rights the holder receives. Examples include, but are not limited to, common stock, redeemable preferred stock, nonredeemable preferred stock, and convertible stock." } } }, "auth_ref": ["r142", "r153", "r154", "r155", "r172", "r196", "r197", "r204", "r206", "r212", "r213", "r235", "r271", "r273", "r274", "r275", "r278", "r279", "r310", "r311", "r314", "r317", "r324", "r432", "r543", "r544", "r545", "r546", "r549", "r550", "r551", "r552", "r553", "r554", "r555", "r556", "r557", "r558", "r559", "r560", "r574", "r595", "r615", "r630", "r631", "r632", "r633", "r634", "r803", "r828", "r835"] }, "us-gaap_ClassOfStockLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ClassOfStockLineItems", "presentation": ["http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails"], "lang": { "en-us": { "role": { "terseLabel": "Class of Stock [Line Items]", "label": "Class of Stock [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r153", "r154", "r155", "r212", "r310", "r311", "r312", "r314", "r317", "r322", "r324", "r543", "r544", "r545", "r546", "r671", "r803", "r828"] }, "us-gaap_ClassOfWarrantOrRightExercisePriceOfWarrantsOrRights1": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ClassOfWarrantOrRightExercisePriceOfWarrantsOrRights1", "presentation": ["http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Exercise price of warrants (in dollars per share)", "label": "Class of Warrant or Right, Exercise Price of Warrants or Rights", "documentation": "Exercise price per share or per unit of warrants or rights outstanding." } } }, "auth_ref": ["r325"] }, "us-gaap_ClassOfWarrantOrRightOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ClassOfWarrantOrRightOutstanding", "presentation": ["http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Issuance of warrant (in shares)", "label": "Class of Warrant or Right, Outstanding", "documentation": "Number of warrants or rights outstanding." } } }, "auth_ref": [] }, "ecd_CoSelectedMeasureAmt": { "xbrltype": "decimalItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CoSelectedMeasureAmt", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Company Selected Measure Amount", "label": "Company Selected Measure Amount" } } }, "auth_ref": ["r765"] }, "ecd_CoSelectedMeasureName": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CoSelectedMeasureName", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Company Selected Measure Name", "label": "Company Selected Measure Name" } } }, "auth_ref": ["r765"] }, "us-gaap_CommitmentsAndContingencies": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommitmentsAndContingencies", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesAndStockholdersEquity", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "terseLabel": "Commitments and contingencies (Note 7)", "label": "Commitments and Contingencies", "documentation": "Represents the caption on the face of the balance sheet to indicate that the entity has entered into (1) purchase or supply arrangements that will require expending a portion of its resources to meet the terms thereof, and (2) is exposed to potential losses or, less frequently, gains, arising from (a) possible claims against a company's resources due to future performance under contract terms, and (b) possible losses or likely gains from uncertainties that will ultimately be resolved when one or more future events that are deemed likely to occur do occur or fail to occur." } } }, "auth_ref": ["r71", "r124", "r512", "r573"] }, "us-gaap_CommitmentsAndContingenciesDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommitmentsAndContingenciesDisclosureAbstract", "lang": { "en-us": { "role": { "terseLabel": "Commitments and Contingencies Disclosure [Abstract]", "label": "Commitments and Contingencies Disclosure [Abstract]" } } }, "auth_ref": [] }, "us-gaap_CommitmentsContingenciesAndGuaranteesTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommitmentsContingenciesAndGuaranteesTextBlock", "presentation": ["http://www.advancedemissionssolutions.com/role/CommitmentsandContingencies"], "lang": { "en-us": { "role": { "terseLabel": "Commitments and Contingencies", "label": "Commitments Contingencies and Guarantees [Text Block]", "documentation": "The entire disclosure for commitments, contingencies, and guarantees." } } }, "auth_ref": ["r103", "r104", "r863"] }, "us-gaap_CommonStockMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockMember", "presentation": ["http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails", "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity", "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails", "http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails"], "lang": { "en-us": { "role": { "terseLabel": "Common Stock", "label": "Common Stock [Member]", "documentation": "Stock that is subordinate to all other stock of the issuer." } } }, "auth_ref": ["r706", "r707", "r708", "r710", "r711", "r712", "r713", "r831", "r832", "r834", "r884", "r938", "r940"] }, "us-gaap_CommonStockParOrStatedValuePerShare": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockParOrStatedValuePerShare", "presentation": ["http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails", "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "verboseLabel": "Common stock par value (in dollars per share)", "terseLabel": "Purchase par value (in dollars per share)", "label": "Common Stock, Par or Stated Value Per Share", "documentation": "Face amount or stated value per share of common stock." } } }, "auth_ref": ["r74"] }, "us-gaap_CommonStockSharesAuthorized": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesAuthorized", "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "terseLabel": "Common stock, shares authorized (in shares)", "label": "Common Stock, Shares Authorized", "documentation": "The maximum number of common shares permitted to be issued by an entity's charter and bylaws." } } }, "auth_ref": ["r74", "r574"] }, "us-gaap_CommonStockSharesIssued": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesIssued", "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheetsParenthetical", "http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails"], "lang": { "en-us": { "role": { "terseLabel": "Common stock, shares issued (in shares)", "label": "Common Stock, Shares, Issued", "documentation": "Total number of common shares of an entity that have been sold or granted to shareholders (includes common shares that were issued, repurchased and remain in the treasury). These shares represent capital invested by the firm's shareholders and owners, and may be all or only a portion of the number of shares authorized. Shares issued include shares outstanding and shares held in the treasury." } } }, "auth_ref": ["r74"] }, "us-gaap_CommonStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesOutstanding", "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "terseLabel": "Common stock, shares outstanding (in shares)", "label": "Common Stock, Shares, Outstanding", "documentation": "Number of shares of common stock outstanding. Common stock represent the ownership interest in a corporation." } } }, "auth_ref": ["r10", "r74", "r574", "r592", "r940", "r941"] }, "us-gaap_CommonStockValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockValue", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "terseLabel": "Common stock; par value of $0.001 per share, 100,000,000 shares authorized, 46,652,061 and 37,791,084 shares issued, and 42,033,915 and 33,172,938 shares outstanding at September\u00a030, 2024 and December 31, 2023, respectively", "label": "Common Stock, Value, Issued", "documentation": "Aggregate par or stated value of issued nonredeemable common stock (or common stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable common shares, par value and other disclosure concepts are in another section within stockholders' equity." } } }, "auth_ref": ["r74", "r514", "r691"] }, "ecd_CompActuallyPaidVsCoSelectedMeasureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CompActuallyPaidVsCoSelectedMeasureTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Compensation Actually Paid vs. Company Selected Measure", "label": "Compensation Actually Paid vs. Company Selected Measure [Text Block]" } } }, "auth_ref": ["r770"] }, "ecd_CompActuallyPaidVsNetIncomeTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CompActuallyPaidVsNetIncomeTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Compensation Actually Paid vs. Net Income", "label": "Compensation Actually Paid vs. Net Income [Text Block]" } } }, "auth_ref": ["r769"] }, "ecd_CompActuallyPaidVsOtherMeasureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CompActuallyPaidVsOtherMeasureTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Compensation Actually Paid vs. Other Measure", "label": "Compensation Actually Paid vs. Other Measure [Text Block]" } } }, "auth_ref": ["r771"] }, "ecd_CompActuallyPaidVsTotalShareholderRtnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CompActuallyPaidVsTotalShareholderRtnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Compensation Actually Paid vs. Total Shareholder Return", "label": "Compensation Actually Paid vs. Total Shareholder Return [Text Block]" } } }, "auth_ref": ["r768"] }, "us-gaap_ConcentrationRiskBenchmarkDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskBenchmarkDomain", "presentation": ["http://www.advancedemissionssolutions.com/role/RevenuesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Concentration Risk Benchmark [Domain]", "label": "Concentration Risk Benchmark [Domain]", "documentation": "The denominator in a calculation of a disclosed concentration risk percentage." } } }, "auth_ref": ["r27", "r29", "r54", "r55", "r228", "r637"] }, "us-gaap_ConcentrationRiskByBenchmarkAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskByBenchmarkAxis", "presentation": ["http://www.advancedemissionssolutions.com/role/RevenuesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Concentration Risk Benchmark [Axis]", "label": "Concentration Risk Benchmark [Axis]", "documentation": "Information by benchmark of concentration risk." } } }, "auth_ref": ["r27", "r29", "r54", "r55", "r228", "r541", "r637"] }, "us-gaap_ConcentrationRiskByTypeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskByTypeAxis", "presentation": ["http://www.advancedemissionssolutions.com/role/RevenuesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Concentration Risk Type [Axis]", "label": "Concentration Risk Type [Axis]", "documentation": "Information by type of concentration risk, for example, but not limited to, asset, liability, net assets, geographic, customer, employees, supplier, lender." } } }, "auth_ref": ["r27", "r29", "r54", "r55", "r228", "r637", "r809"] }, "us-gaap_ConcentrationRiskPercentage1": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskPercentage1", "presentation": ["http://www.advancedemissionssolutions.com/role/RevenuesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Percent of revenue generated", "label": "Concentration Risk, Percentage", "documentation": "For an entity that discloses a concentration risk in relation to quantitative amount, which serves as the \"benchmark\" for denominator) in the equation, this concept represents the concentration percentage derived from the division." } } }, "auth_ref": ["r27", "r29", "r54", "r55", "r228"] }, "us-gaap_ConcentrationRiskTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskTypeDomain", "presentation": ["http://www.advancedemissionssolutions.com/role/RevenuesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Concentration Risk Type [Domain]", "label": "Concentration Risk Type [Domain]", "documentation": "For an entity that discloses a concentration risk as a percentage of some financial balance or benchmark, identifies the type (for example, asset, liability, net assets, geographic, customer, employees, supplier, lender) of the concentration." } } }, "auth_ref": ["r27", "r29", "r54", "r55", "r228", "r637"] }, "ades_ConstructionContractEstimatedCosts": { "xbrltype": "monetaryItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "ConstructionContractEstimatedCosts", "crdr": "credit", "presentation": ["http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Construction contract estimated costs", "label": "Construction Contract, Estimated Costs", "documentation": "Construction Contract, Estimated Costs" } } }, "auth_ref": [] }, "ades_ConsumablesMember": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "ConsumablesMember", "presentation": ["http://www.advancedemissionssolutions.com/role/LeasesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Revenue", "label": "Consumables [Member]", "documentation": "Consumables [Member]" } } }, "auth_ref": [] }, "us-gaap_ContractWithCustomerLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContractWithCustomerLiability", "crdr": "credit", "presentation": ["http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Contract with customer, liability", "label": "Contract with Customer, Liability", "documentation": "Amount of obligation to transfer good or service to customer for which consideration has been received or is receivable." } } }, "auth_ref": ["r327", "r328", "r339"] }, "ades_ContractWithCustomerTermOfContract": { "xbrltype": "durationItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "ContractWithCustomerTermOfContract", "presentation": ["http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Term of contract", "label": "Contract with Customer, Term of Contract", "documentation": "Contract with Customer, Term of Contract" } } }, "auth_ref": [] }, "ades_CorbinAROMember": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "CorbinAROMember", "presentation": ["http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofChangeinAssetRetirementObligationDetails"], "lang": { "en-us": { "role": { "terseLabel": "Corbin ARO", "label": "Corbin ARO [Member]", "documentation": "Corbin ARO" } } }, "auth_ref": [] }, "ades_CorbinFacilitiesMember": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "CorbinFacilitiesMember", "presentation": ["http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Corbin Facilities", "label": "Corbin Facilities [Member]", "documentation": "Corbin Facilities" } } }, "auth_ref": [] }, "us-gaap_CostOfGoodsAndServicesSold": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CostOfGoodsAndServicesSold", "crdr": "debit", "calculation": {

```
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations": { "parentTag": "us-gaap_OperatingIncomeLoss", "weight": -1.0, "order": 2.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations" ], "lang": { "en-us": { "role": { "terseLabel": "Cost of revenue, exclusive of depreciation and amortization", "label": "Cost of Goods and Services Sold", "documentation": "The aggregate costs related to goods produced and sold and services rendered by an entity during the reporting period. This excludes costs incurred during the reporting period related to financial services rendered and other revenue generating activities." } } }, "auth_ref": [ "r87", "r88", "r474" ] }, "us-gaap_CostOfRevenueAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CostOfRevenueAbstract", "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations" ], "lang": { "en-us": { "role": { "terseLabel": "Operating expenses:", "label": "Cost of Revenue [Abstract]" } } }, "auth_ref": [] }, "us-gaap_CostOfSalesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CostOfSalesMember", "presentation": [
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Cost of Revenue", "label": "Cost of Sales [Member]", "documentation": "Primary financial statement caption encompassing cost of sales." } } }, "auth_ref": [] }, "srt_CounterpartyNameAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "CounterpartyNameAxis", "presentation": [
"http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Counterparty Name [Axis]", "label": "Counterparty Name [Axis]" } } }, "auth_ref": [ "r176", "r177", "r284", "r312", "r467", "r472", "r509", "r656", "r658" ] }, "dei_CoverAbstract": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "CoverAbstract", "lang": { "en-us": { "role": { "terseLabel": "Cover [Abstract]", "label": "Cover [Abstract]", "documentation": "Cover page." } } }, "auth_ref": [] }, "us-gaap_CreditFacilityAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CreditFacilityAxis", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails",
"http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Credit Facility [Axis]", "label": "Credit Facility [Axis]", "documentation": "Information by type of credit facility. Credit facilities provide capital to borrowers without the need to structure a loan for each borrowing." } } }, "auth_ref": [ "r270", "r866" ] }, "us-gaap_CreditFacilityDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CreditFacilityDomain", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails",
"http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Credit Facility [Domain]", "label": "Credit Facility [Domain]", "documentation": "Type of credit facility. Credit facilities provide capital to borrowers without the need to structure a loan for each borrowing." } } }, "auth_ref": [ "r270", "r866", "r867" ] }, "dei_CurrentFiscalYearEndDate": { "xbrltype": "gMonthDayItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "CurrentFiscalYearEndDate", "presentation": [ "http://www.advancedemissionssolutions.com/role/CoverPage" ], "lang": { "en-us": { "role": { "terseLabel": "Current Fiscal Year End Date", "label": "Current Fiscal Year End Date", "documentation": "End date of current fiscal year in the format --MM-DD." } } }, "auth_ref": [] },
"ades_DebtCovenantMinimumAnnualRevenueRequirement": { "xbrltype": "monetaryItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "DebtCovenantMinimumAnnualRevenueRequirement", "crdr": "credit", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Debt covenant, minimum annual Revenue requirement", "label": "Debt Covenant, Minimum Annual Revenue Requirement", "documentation": "Debt Covenant, Minimum Annual Revenue Requirement" } } }, "auth_ref": [] }, "ades_DebtCovenantMinimumCashBalanceRequirement": { "xbrltype": "monetaryItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "DebtCovenantMinimumCashBalanceRequirement", "crdr": "credit", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Debt covenant, minimum cash balance requirement", "label": "Debt Covenant, Minimum Cash Balance Requirement", "documentation": "Debt Covenant, Minimum Cash Balance Requirement" } } }, "auth_ref": [] }, "ades_DebtCovenantMinimumConsolidatedEBITDARequirement": { "xbrltype": "monetaryItemType", "nsuri":
"http://www.advancedemissionssolutions.com/20240930", "localname": "DebtCovenantMinimumConsolidatedEBITDARequirement", "crdr": "credit", "presentation": [
"http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Debt covenant, minimum consolidated EBITDA requirement", "label": "Debt Covenant, Minimum Consolidated EBITDA Requirement", "documentation": "Minimum Consolidated EBITDA Amount" } } }, "auth_ref": [] }, "us-gaap_DebtDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtDisclosureAbstract", "lang": { "en-us": { "role": { "terseLabel": "Debt Disclosure [Abstract]", "label": "Debt Disclosure [Abstract]" } } }, "auth_ref": [] }, "us-gaap_DebtDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtDisclosureTextBlock", "presentation": [
"http://www.advancedemissionssolutions.com/role/DebtObligations" ], "lang": { "en-us": { "role": { "terseLabel": "Debt Obligations", "label": "Debt Disclosure [Text Block]", "documentation": "The entire disclosure for information about short-term and long-term debt arrangements, which includes amounts of borrowings under each line of credit, note payable, commercial paper issue, bonds indenture, debenture issue, own-share lending arrangements and any other contractual agreement to repay funds, and about the underlying arrangements, rationale for a classification as long-term, including repayment terms, interest rates, collateral provided, restrictions on use of assets and activities, whether or not in compliance with debt covenants, and other matters important to users of the financial statements, such as the effects of refinancing and noncompliance with debt covenants." } } }, "auth_ref": [ "r105", "r170", "r252", "r253", "r254", "r255", "r256", "r269", "r270", "r280", "r286", "r287", "r288", "r289", "r290", "r291", "r296", "r303", "r304", "r306", "r439" ] }, "us-gaap_DebtInstrumentAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentAxis", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails",
"http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Debt Instrument [Axis]", "label": "Debt Instrument [Axis]", "documentation": "Information by type of debt instrument, including, but not limited to, draws against credit facilities." } } }, "auth_ref": [ "r15", "r63", "r64", "r122", "r123", "r178", "r281", "r282", "r283", "r284", "r285", "r287", "r292", "r293", "r294", "r295", "r297", "r298", "r299", "r300", "r301", "r302", "r666", "r667", "r668", "r669", "r670", "r689", "r829", "r858", "r859", "r860", "r892", "r894" ] }, "ades_DebtInstrumentCapRatePercentage": { "xbrltype": "percentItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "DebtInstrumentCapRatePercentage", "presentation": [
"http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Debt instrument, cap rate percentage", "label": "Debt Instrument, Cap Rate Percentage", "documentation": "Debt Instrument, Cap Rate Percentage" } } }, "auth_ref": [] }, "us-gaap_DebtInstrumentCarryingAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentCarryingAmount", "crdr": "credit", "calculation": {
"http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails": { "parentTag": "us-gaap_LongTermDebt", "weight": 1.0, "order": 3.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Loan due", "label": "Long-Term Debt, Gross", "documentation": "Amount, before unamortized (discount) premium and debt issuance costs, of long-term debt. Includes, but is not limited to, notes payable, bonds payable, commercial loans, mortgage loans, convertible debt, subordinated debt and other types of debt." } } }, "auth_ref": [ "r15", "r123", "r307" ] }, "us-gaap_DebtInstrumentCollateralAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentCollateralAmount", "crdr": "debit", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Debt instrument, collateral amount", "label": "Debt Instrument, Collateral Amount", "documentation": "Amount of assets pledged to secure a debt instrument." } } }, "auth_ref": [ "r59" ] }, "us-gaap_DebtInstrumentConvertibleConversionRatio1": { "xbrltype": "pureItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"DebtInstrumentConvertibleConversionRatio1", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Equity percentage", "label": "Debt Instrument, Convertible, Conversion Ratio", "documentation": "Ratio applied to the conversion of debt instrument into equity with equity shares divided by debt principal amount." } } }, "auth_ref": [ "r39", "r67", "r109", "r110", "r283" ] },
"ades_DebtInstrumentCovenantIndebtednessToNetWorth": { "xbrltype": "pureItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "DebtInstrumentCovenantIndebtednessToNetWorth", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Indebtedness to net worth ratio", "label": "Debt Instrument, Covenant, Indebtedness to Net Worth", "documentation": "Debt Instrument, Covenant, Indebtedness to Net Worth" } } }, "auth_ref": [] }, "ades_DebtInstrumentCovenantLoanToValueRatio": { "xbrltype": "pureItemType", "nsuri":
"http://www.advancedemissionssolutions.com/20240930", "localname": "DebtInstrumentCovenantLoanToValueRatio", "presentation": [
"http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Debt instrument, covenant loan to value ratio", "label": "Debt Instrument, Covenant Loan To Value Ratio", "documentation": "Debt Instrument, Covenant Loan To Value Ratio" } } }, "auth_ref": [] }, "us-gaap_DebtInstrumentFaceAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentFaceAmount", "crdr": "credit", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Face amount", "label": "Debt Instrument, Face Amount", "documentation": "Face (par) amount of debt instrument at time of issuance." } } }, "auth_ref": [ "r281", "r439", "r440", "r667", "r668", "r689" ] }, "us-gaap_DebtInstrumentFairValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentFairValue", "crdr": "credit", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Estimated fair value", "label": "Debt Instrument, Fair Value Disclosure", "documentation": "Fair value portion of debt instrument payable, including, but not limited to, notes payable and loans payable." } } }, "auth_ref": [ "r294", "r431", "r667", "r668", "r885", "r886", "r887", "r888", "r889" ] }, "us-gaap_DebtInstrumentFeeAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentFeeAmount", "crdr": "debit", "presentation": [
"http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Debt instrument, fee amount", "label": "Debt Instrument, Fee Amount", "documentation": "Amount of the fee that accompanies borrowing money under the debt instrument." } } }, "auth_ref": [ "r68" ] },
"ades_DebtInstrumentFloorRatePercentage": { "xbrltype": "percentItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "DebtInstrumentFloorRatePercentage", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Debt instrument, floor rate percentage", "label": "Debt Instrument, Floor Rate Percentage", "documentation": "Debt Instrument, Floor Rate Percentage" } } }, "auth_ref": [] }, "ades_DebtInstrumentInterestRateAssumingAllInterestWasPaidInCash": { "xbrltype": "percentItemType", "nsuri":
"http://www.advancedemissionssolutions.com/20240930", "localname": "DebtInstrumentInterestRateAssumingAllInterestWasPaidInCash", "presentation": [
"http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Debt instrument, interest rate", "label": "Debt Instrument, Interest Rate, Assuming All Interest Was Paid In Cash", "documentation": "Debt Instrument, Interest Rate, Assuming All Interest Was Paid In Cash" } } }, "auth_ref": [] }, "us-gaap_DebtInstrumentInterestRateIncreaseDecrease": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"DebtInstrumentInterestRateIncreaseDecrease", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Debt instrument, annual increase", "label": "Debt Instrument, Interest Rate, Increase (Decrease)", "documentation": "Incremental percentage increase (decrease) in the stated rate on a debt instrument." } } }, "auth_ref": [] }, "us-gaap_DebtInstrumentInterestRateStatedPercentage": { "xbrltype": "percentItemType", "nsuri":
"http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentInterestRateStatedPercentage", "presentation": [
"http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Interest rate, stated percentage", "label": "Debt Instrument, Interest Rate, Stated Percentage", "documentation": "Contractual interest rate for funds borrowed, under the debt agreement." } } }, "auth_ref": [ "r66", "r282" ] }, "us-gaap_DebtInstrumentLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentLineItems", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails",
"http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Debt Instrument [Line Items]", "label": "Debt Instrument [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [ "r178", "r281", "r282", "r283", "r284", "r285", "r287", "r292", "r293", "r294", "r295", "r297", "r298", "r299", "r300", "r301", "r302", "r305", "r666", "r667", "r668", "r669", "r670", "r689", "r829", "r892", "r894" ] }, "us-gaap_DebtInstrumentNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentNameDomain", "presentation": [
"http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails",
"http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Debt Instrument, Name [Domain]", "label": "Debt Instrument, Name [Domain]", "documentation": "The name for the particular debt instrument or borrowing that distinguishes it from other debt instruments or borrowings, including draws against credit facilities." } } }, "auth_ref": [ "r15", "r178", "r281", "r282", "r283", "r284", "r285", "r287", "r292", "r293", "r294", "r295", "r297", "r298", "r299", "r300", "r301", "r302", "r666", "r667", "r668", "r669", "r670", "r689", "r829", "r858", "r859", "r860", "r892", "r894" ] },
"ades_DebtInstrumentNumberOfInstruments": { "xbrltype": "integerItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "DebtInstrumentNumberOfInstruments", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Number of instruments (in instruments)", "label": "Debt Instrument, Number Of Instruments", "documentation": "Debt Instrument, Number Of Instruments" } } }, "auth_ref": [] }, "ades_DebtInstrumentPercentOfMarginPaidInCash": { "xbrltype": "percentItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "DebtInstrumentPercentOfMarginPaidInCash", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": {
```

```
"en-us": { "role": { "terseLabel": "Debt instrument, percent of paid in cash", "label": "Debt Instrument, Percent Of Margin Paid In Cash", "documentation": "Debt Instrument, Percent Of Margin Paid In Cash" } } }, "auth_ref": [] }, "ades_DebtInstrumentPercentOfPaidInKind": { "xbrltype": "percentItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "DebtInstrumentPercentOfPaidInKind", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Debt instrument, percent of paid in kind", "label": "Debt Instrument, Percent Of Paid In Kind", "documentation": "Debt Instrument, Percent Of Paid In Kind" } } }, "auth_ref": [] }, "us-gaap_DebtInstrumentPeriodicPaymentPrincipal": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentPeriodicPaymentPrincipal", "crdr": "debit", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Periodic payment, principal", "label": "Debt Instrument, Periodic Payment, Principal", "documentation": "Amount of the required periodic payments applied to principal." } } }, "auth_ref": [ "r15" ] }, "ades_DebtInstrumentPostTransactionFromExerciseOfWarrant": { "xbrltype": "percentItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "DebtInstrumentPostTransactionFromExerciseOfWarrant", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Debt instrument, post-transaction from exercise of warrant", "label": "Debt Instrument Post Transaction From Exercise Of Warrant", "documentation": "Debt Instrument Post Transaction From Exercise Of Warrant" } } }, "auth_ref": [] }, "ades_DebtInstrumentPrepaymentPenaltyPercentage": { "xbrltype": "percentItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "DebtInstrumentPrepaymentPenaltyPercentage", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Prepayment penalty, percentage", "label": "Debt Instrument, Prepayment Penalty, Percentage", "documentation": "Debt Instrument, Prepayment Penalty, Percentage" } } }, "auth_ref": [] }, "ades_DebtInstrumentPrepaymentPremiumPercentOfOutstandingPrincipalAmount": { "xbrltype": "percentItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "DebtInstrumentPrepaymentPremiumPercentOfOutstandingPrincipalAmount", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Debt instrument, prepayment premium", "label": "Debt Instrument, Prepayment Premium, Percent Of Outstanding Principal Amount", "documentation": "Outstanding Repaid or Prepaid Principal Percentage" } } }, "auth_ref": [] }, "us-gaap_DebtInstrumentTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentTable", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails", "http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Long-term Debt Instruments [Table]", "label": "Schedule of Long-Term Debt Instruments [Table]", "documentation": "Disclosure of information about long-term debt instrument or arrangement." } } }, "auth_ref": [ "r15", "r39", "r42", "r58", "r108", "r110", "r178", "r281", "r282", "r283", "r284", "r285", "r287", "r292", "r293", "r294", "r295", "r297", "r298", "r299", "r300", "r301", "r302", "r305", "r666", "r667", "r668", "r669", "r670", "r689", "r829", "r892", "r894" ] }, "us-gaap_DebtInstrumentUnamortizedDiscount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentUnamortizedDiscount", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails_1": { "parentTag": "us-gaap_LongTermDebtAndCapitalLeaseObligationsIncludingCurrentMaturities", "weight": -1.0, "order": 1.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails", "http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails" ], "lang": { "en-us": { "role": { "negatedTerseLabel": "Unamortized debt discounts", "terseLabel": "Unamortized discount", "label": "Debt Instrument, Unamortized Discount", "documentation": "Amount, after accumulated amortization, of debt discount." } } }, "auth_ref": [ "r871", "r891", "r892", "r894" ] }, "us-gaap_DeferredCostsCapitalizedPrepaidAndOtherAssetsDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredCostsCapitalizedPrepaidAndOtherAssetsDisclosureAbstract", "lang": { "en-us": { "role": { "terseLabel": "Deferred Costs, Capitalized, Prepaid, and Other Assets Disclosure [Abstract]", "label": "Deferred Costs, Capitalized, Prepaid, and Other Assets Disclosure [Abstract]" } } }, "auth_ref": [] }, "us-gaap_DeferredCostsCapitalizedPrepaidAndOtherAssetsDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredCostsCapitalizedPrepaidAndOtherAssetsDisclosureTextBlock", "presentation": [ "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationTables" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Other Long Term Assets", "label": "Deferred Costs, Capitalized, Prepaid, and Other Assets Disclosure [Table Text Block]", "documentation": "Tabular disclosure of the amounts paid in advance for capitalized costs that will be expensed with the passage of time or the occurrence of a triggering event, and will be charged against earnings within one year or the normal operating cycle, if longer; the aggregate carrying amount of current assets, not separately presented elsewhere in the balance sheet; and other deferred costs." } } }, "auth_ref": [] }, "us-gaap_DeferredFinanceCostsNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredFinanceCostsNet", "crdr": "debit", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Debt issuance costs", "label": "Debt Issuance Costs, Net", "documentation": "Amount, after accumulated amortization, of debt issuance costs. Includes, but is not limited to, legal, accounting, underwriting, printing, and registration costs." } } }, "auth_ref": [ "r871", "r891", "r892", "r894" ] }, "ades_DeliveriesInFirstQuarter2025Member": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "DeliveriesInFirstQuarter2025Member", "presentation": [ "http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Deliveries in First Quarter 2025", "label": "Deliveries in First Quarter 2025 [Member]", "documentation": "Deliveries in First Quarter 2025" } } }, "auth_ref": [] }, "us-gaap_DepreciationAndAmortization": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DepreciationAndAmortization", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations": { "parentTag": "us-gaap_OperatingExpenses", "weight": 1.0, "order": 3.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations" ], "lang": { "en-us": { "role": { "terseLabel": "Depreciation, amortization, depletion and accretion", "label": "Depreciation, Depletion and Amortization, Nonproduction", "documentation": "The current period expense charged against earnings on long-lived, physical assets not used in production, and which are not intended for resale, to allocate or recognize the cost of such assets over their useful lives; or to record the reduction in book value of an intangible asset over the benefit period of such asset; or to reflect consumption during the period of an asset that is not used in production." } } }, "auth_ref": [ "r7", "r33" ] }, "us-gaap_DepreciationDepletionAndAmortization": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DepreciationDepletionAndAmortization", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 3.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "terseLabel": "Depreciation, amortization, depletion and accretion", "label": "Depreciation, Depletion and Amortization", "documentation": "The aggregate expense recognized in the current period that allocates the cost of tangible assets, intangible assets, or depleting assets to periods that benefit from use of the assets." } } }, "auth_ref": [ "r7", "r210", "r218", "r224", "r662", "r663" ] }, "us-gaap_DevelopedTechnologyRightsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DevelopedTechnologyRightsMember", "presentation": [ "http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Developed technology", "label": "Developed Technology Rights [Member]", "documentation": "Rights to developed technology, which can include the right to develop, use, market, sell, or offer for sale products, compounds, or intellectual property." } } }, "auth_ref": [ "r117", "r847", "r848", "r849", "r850", "r851", "r852", "r854", "r855" ] }, "us-gaap_DisaggregationOfRevenueLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisaggregationOfRevenueLineItems", "presentation": [ "http://www.advancedemissionssolutions.com/role/RevenuesNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Disaggregation of Revenue [Line Items]", "label": "Disaggregation of Revenue [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [ "r338", "r672", "r673", "r674", "r675", "r676", "r677", "r678" ] }, "us-gaap_DisaggregationOfRevenueTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisaggregationOfRevenueTable", "presentation": [ "http://www.advancedemissionssolutions.com/role/RevenuesNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Disaggregation of Revenue [Table]", "label": "Disaggregation of Revenue [Table]", "documentation": "Disclosure of information about disaggregation of revenue into categories depicting how nature, amount, timing, and uncertainty of revenue and cash flows are affected by economic factor." } } }, "auth_ref": [ "r338", "r672", "r673", "r674", "r675", "r676", "r677", "r678" ] }, "us-gaap_DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock", "presentation": [ "http://www.advancedemissionssolutions.com/role/StockBasedCompensation" ], "lang": { "en-us": { "role": { "terseLabel": "Stock-Based Compensation", "label": "Share-Based Payment Arrangement [Text Block]", "documentation": "The entire disclosure for share-based payment arrangement." } } }, "auth_ref": [ "r344", "r347", "r375", "r376", "r378", "r682" ] }, "us-gaap_DisclosureOfCompensationRelatedCostsSharebasedPaymentsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisclosureOfCompensationRelatedCostsSharebasedPaymentsAbstract", "lang": { "en-us": { "role": { "terseLabel": "Share-based Payment Arrangement [Abstract]", "label": "Share-Based Payment Arrangement [Abstract]" } } }, "auth_ref": [] }, "us-gaap_DisposalGroupClassificationAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisposalGroupClassificationAxis", "presentation": [ "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofChangeinAssetRetirementObligationDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Disposal Group Classification [Axis]", "label": "Disposal Group Classification [Axis]", "documentation": "Information by disposal group classification." } } }, "auth_ref": [ "r144" ] }, "us-gaap_DisposalGroupClassificationDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisposalGroupClassificationDomain", "presentation": [ "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofChangeinAssetRetirementObligationDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Disposal Group Classification [Domain]", "label": "Disposal Group Classification [Domain]", "documentation": "Component or group of components disposed of, including but not limited to, disposal group held-for-sale or disposed of by sale, disposed of by means other than sale, and discontinued operations." } } }, "auth_ref": [] }, "us-gaap_DisposalGroupDisposedOfBySaleNotDiscontinuedOperationsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisposalGroupDisposedOfBySaleNotDiscontinuedOperationsMember", "presentation": [ "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofChangeinAssetRetirementObligationDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Disposed of by Sale", "label": "Disposal Group, Disposed of by Sale, Not Discontinued Operations [Member]", "documentation": "Disposal group that has been sold. Excludes disposals classified as discontinued operations." } } }, "auth_ref": [ "r8", "r13" ] }, "us-gaap_DisposalGroupIncludingDiscontinuedOperationConsideration": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisposalGroupIncludingDiscontinuedOperationConsideration", "crdr": "debit", "presentation": [ "http://www.advancedemissionssolutions.com/role/MarshallMineDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Consideration", "label": "Disposal Group, Including Discontinued Operation, Consideration", "documentation": "Amount of consideration received or receivable for the disposal of assets and liabilities, including discontinued operation." } } }, "auth_ref": [] }, "ades_DisposalGroupPaymentOfLiabilitiesAssumed": { "xbrltype": "monetaryItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "DisposalGroupPaymentOfLiabilitiesAssumed", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": -1.0, "order": 6.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "negatedTerseLabel": "Payment for disposal of Marshall Mine, LLC", "label": "Disposal Group, Payment Of Liabilities Assumed", "documentation": "Disposal Group, Payment Of Liabilities Assumed" } } }, "auth_ref": [] }, "us-gaap_DisposalGroupsIncludingDiscontinuedOperationsNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisposalGroupsIncludingDiscontinuedOperationsNameDomain", "presentation": [ "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofChangeinAssetRetirementObligationDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Disposal Group Name [Domain]", "label": "Disposal Group Name [Domain]", "documentation": "Name of disposal group." } } }, "auth_ref": [ "r679", "r680" ] }, "us-gaap_DividendsCommonStockCash": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DividendsCommonStockCash", "crdr": "debit", "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity" ], "lang": { "en-us": { "role": { "negatedTerseLabel": "Preferred stock dividends declared on redeemable preferred stock", "label": "Dividends, Common Stock, Cash", "documentation": "Amount of paid and unpaid common stock dividends declared with the form of settlement in cash." } } }, "auth_ref": [ "r111" ] }, "us-gaap_DividendsPreferredStockPaidinkind": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DividendsPreferredStockPaidinkind", "crdr": "debit", "presentation": [ "http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails", "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "terseLabel": "Paid-in-kind dividend on Series A Preferred Stock", "label": "Dividends, Preferred Stock, Paid-in-kind", "documentation": "Amount of paid and unpaid preferred stock dividends declared with the form of settlement in payment-in-kind (PIK)." } } }, "auth_ref": [ "r5", "r111" ] }, "dei_DocumentFiscalPeriodFocus": { "xbrltype": "fiscalPeriodItemType", "nsuri":
```

```
"http://xbrl.sec.gov/dei/2024", "localname": "DocumentFiscalPeriodFocus", "presentation": [ "http://www.advancedemissionssolutions.com/role/CoverPage" ], "lang": { "en-us": { "role": { "terseLabel": "Document Fiscal Period Focus", "label": "Document Fiscal Period Focus", "documentation": "Fiscal period values are FY, Q1, Q2, and Q3. 1st, 2nd and 3rd quarter 10-Q or 10-QT statements have value Q1, Q2, and Q3 respectively, with 10-K, 10-KT or other fiscal year statements having FY." } } }, "auth_ref": [] },
"dei_DocumentFiscalYearFocus": { "xbrltype": "gYearItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentFiscalYearFocus", "presentation": [
"http://www.advancedemissionssolutions.com/role/CoverPage" ], "lang": { "en-us": { "role": { "terseLabel": "Document Fiscal Year Focus", "label": "Document Fiscal Year Focus", "documentation": "This is focus fiscal year of the document report in YYYY format. For a 2006 annual report, which may also provide financial information from prior periods, fiscal 2006 should be given as the fiscal year focus. Example: 2006." } } }, "auth_ref": [] }, "dei_DocumentPeriodEndDate": { "xbrltype": "dateItemType", "nsuri":
"http://xbrl.sec.gov/dei/2024", "localname": "DocumentPeriodEndDate", "presentation": [ "http://www.advancedemissionssolutions.com/role/CoverPage" ], "lang": { "en-us": {
"role": { "terseLabel": "Document Period End Date", "label": "Document Period End Date", "documentation": "For the EDGAR submission types of Form 8-K: the date of the report, the date of the earliest event reported; for the EDGAR submission types of Form N-1A: the filing date; for all other submission types: the end of the reporting or transition period. The format of the date is YYYY-MM-DD." } } }, "auth_ref": [] }, "dei_DocumentQuarterlyReport": { "xbrltype": "booleanItemType", "nsuri":
"http://xbrl.sec.gov/dei/2024", "localname": "DocumentQuarterlyReport", "presentation": [ "http://www.advancedemissionssolutions.com/role/CoverPage" ], "lang": { "en-us": {
"role": { "terseLabel": "Document Quarterly Report", "label": "Document Quarterly Report", "documentation": "Boolean flag that is true only for a form used as an quarterly report." } } }, "auth_ref": [ "r720" ] }, "dei_DocumentTransitionReport": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname":
"DocumentTransitionReport", "presentation": [ "http://www.advancedemissionssolutions.com/role/CoverPage" ], "lang": { "en-us": { "role": { "terseLabel": "Document Transition Report", "label": "Document Transition Report", "documentation": "Boolean flag that is true only for a form used as a transition report." } } }, "auth_ref": [ "r752" ] },
"dei_DocumentType": { "xbrltype": "submissionTypeItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentType", "presentation": [
"http://www.advancedemissionssolutions.com/role/CoverPage" ], "lang": { "en-us": { "role": { "terseLabel": "Document Type", "label": "Document Type", "documentation": "The type of document being provided (such as 10-K, 10-Q, 485BPOS, etc). The document type is limited to the same value as the supporting SEC submission type, or the word 'Other'." } } }, "auth_ref": [] }, "ecd_DvddsOrOthrErngsPdOnEqtyAwrdsNtOthrwsRflctdInTtlCompForCvrdYrMember": { "xbrltype": "domainItemType", "nsuri":
"http://xbrl.sec.gov/ecd/2024", "localname": "DvddsOrOthrErngsPdOnEqtyAwrdsNtOthrwsRflctdInTtlCompForCvrdYrMember", "presentation": [
"http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Dividends or Other Earnings Paid on Equity Awards not Otherwise Reflected in Total Compensation for Covered Year", "label": "Dividends or Other Earnings Paid on Equity Awards not Otherwise Reflected in Total Compensation for Covered Year [Member]" } }
}, "auth_ref": [ "r763" ] }, "us-gaap_EarningsPerShareAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"EarningsPerShareAbstract", "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations" ], "lang": { "en-us": { "role": { "terseLabel": "Income (loss) per common share (Note 1):", "label": "Earnings Per Share [Abstract]" } } }, "auth_ref": [] }, "us-gaap_EarningsPerShareBasic": { "xbrltype":
"perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareBasic", "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations",
"http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationScheduleofCalculationsofBasicandDilutedLossPerShareDetails" ], "lang": { "en-us": {
"role": { "terseLabel": "Basic (in dollars per share)", "netLabel": "Earnings (loss) per share - basic (in dollars per share)", "label": "Earnings Per Share, Basic",
"documentation": "The amount of net income (loss) for the period per each share of common stock or unit outstanding during the reporting period." } } }, "auth_ref": [ "r164",
"r184", "r185", "r186", "r187", "r188", "r189", "r193", "r196", "r204", "r205", "r206", "r209", "r401", "r409", "r423", "r424", "r507", "r522", "r659" ] }, "us-
gaap_EarningsPerShareDiluted": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareDiluted", "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations",
"http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationScheduleofCalculationsofBasicandDilutedLossPerShareDetails" ], "lang": { "en-us": {
"role": { "terseLabel": "Diluted (in dollars per share)", "netLabel": "Earnings (loss) per share - diluted (in dollars per share)", "label": "Earnings Per Share, Diluted",
"documentation": "The amount of net income (loss) for the period available to each share of common stock or common unit outstanding during the reporting period and to each share or unit that would have been outstanding assuming the issuance of common shares or units for all dilutive potential common shares or units outstanding during the reporting period." } } }, "auth_ref": [ "r164", "r184", "r185", "r186", "r187", "r188", "r189", "r196", "r204", "r205", "r206", "r209", "r401", "r409", "r423", "r424", "r507",
"r522", "r659" ] }, "us-gaap_EarningsPerSharePolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"EarningsPerSharePolicyTextBlock", "presentation": [ "http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationPolicies" ], "lang": { "en-us": {
"role": { "terseLabel": "Earnings (Loss) Per Share", "label": "Earnings Per Share, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for computing basic and diluted earnings or loss per share for each class of common stock and participating security. Addresses all significant policy factors, including any antidilutive items that have been excluded from the computation and takes into account stock dividends, splits and reverse splits that occur after the balance sheet date of the latest reporting period but before the issuance of the financial statements." } } }, "auth_ref": [ "r25", "r26", "r208" ] }, "us-gaap_EffectiveIncomeTaxRateContinuingOperations": { "xbrltype":
"percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectiveIncomeTaxRateContinuingOperations", "presentation": [
"http://www.advancedemissionssolutions.com/role/IncomeTaxesNarrativeDetails",
"http://www.advancedemissionssolutions.com/role/IncomeTaxesScheduleofIncomeTaxExpenseandEffectiveTaxRatesDetails" ], "lang": { "en-us": { "role": { "terseLabel":
"Effective tax rate", "label": "Effective Income Tax Rate Reconciliation, Percent", "documentation": "Percentage of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations." } } }, "auth_ref": [ "r384", "r683" ] }, "us-
gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedPeriodForRecognition1": { "xbrltype": "durationItemType",
"nsuri": "http://fasb.org/us-gaap/2024", "localname":
"EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedPeriodForRecognition1", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofUnrecognizedCompensationCostDetails" ], "lang": { "en-us": { "role": { "terseLabel":
"Expected Weighted- Average Period of Recognition (in years)", "label": "Share-Based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Period for Recognition", "documentation": "Weighted-average period over which cost not yet recognized is expected to be recognized for award under share-based payment arrangement, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days." } } }, "auth_ref": [ "r377" ] }, "us-
gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedShareBasedAwardsOtherThanOptions": { "xbrltype":
"monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedShareBasedAwardsOtherThanOptions", "crdr": "debit", "presentation":
[ "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofUnrecognizedCompensationCostDetails" ], "lang": { "en-us": { "role": { "terseLabel":
"Unrecognized Compensation Cost", "label": "Share-Based Payment Arrangement, Nonvested Award, Excluding Option, Cost Not yet Recognized, Amount", "documentation":
"Amount of cost to be recognized for nonvested award under share-based payment arrangement. Excludes share and unit options." } } }, "auth_ref": [ "r875" ] }, "us-
gaap_EmployeeStockOptionMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeStockOptionMember", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationNarrativeDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofAllocationofCompensationExpenseDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofUnrecognizedCompensationCostDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetails", "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure" ], "lang":
{ "en-us": { "role": { "terseLabel": "Stock option expense", "verboseLabel": "Stock Option", "label": "Share-Based Payment Arrangement, Option [Member]", "documentation":
"Share-based payment arrangement granting right, subject to vesting and other restrictions, to purchase or sell certain number of shares at predetermined price for specified period of time." } } }, "auth_ref": [] }, "dei_EntityAddressAddressLine1": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname":
"EntityAddressAddressLine1", "presentation": [ "http://www.advancedemissionssolutions.com/role/CoverPage" ], "lang": { "en-us": { "role": { "terseLabel": "Entity Address, Address Line One", "label": "Entity Address, Address Line One", "documentation": "Address Line 1 such as Attn, Building Name, Street Name" } } }, "auth_ref": [] },
"dei_EntityAddressAddressLine2": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityAddressAddressLine2", "presentation":
[ "http://www.advancedemissionssolutions.com/role/CoverPage" ], "lang": { "en-us": { "role": { "terseLabel": "Entity Address, Address Line Two", "label": "Entity Address, Address Line Two", "documentation": "Address Line 2 such as Street or Suite number" } } }, "auth_ref": [] }, "dei_EntityAddressCityOrTown": { "xbrltype":
"normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityAddressCityOrTown", "presentation": [
"http://www.advancedemissionssolutions.com/role/CoverPage" ], "lang": { "en-us": { "role": { "terseLabel": "Entity Address, City or Town", "label": "Entity Address, City or Town", "documentation": "Name of the City or Town" } } }, "auth_ref": [] }, "dei_EntityAddressPostalZipCode": { "xbrltype": "normalizedStringItemType", "nsuri":
"http://xbrl.sec.gov/dei/2024", "localname": "EntityAddressPostalZipCode", "presentation": [ "http://www.advancedemissionssolutions.com/role/CoverPage" ], "lang": { "en-us":
{ "role": { "terseLabel": "Entity Address, Postal Zip Code", "label": "Entity Address, Postal Zip Code", "documentation": "Code for the postal or zip code" } } }, "auth_ref": [] },
"dei_EntityAddressStateOrProvince": { "xbrltype": "stateOrProvinceItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityAddressStateOrProvince",
"presentation": [ "http://www.advancedemissionssolutions.com/role/CoverPage" ], "lang": { "en-us": { "role": { "terseLabel": "Entity Address, State or Province", "label": "Entity Address, State or Province", "documentation": "Name of the state or province." } } }, "auth_ref": [] }, "dei_EntityCentralIndexKey": { "xbrltype": "centralIndexKeyItemType",
"nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCentralIndexKey", "presentation": [ "http://www.advancedemissionssolutions.com/role/CoverPage" ], "lang": { "en-
us": { "role": { "terseLabel": "Entity Central Index Key", "label": "Entity Central Index Key", "documentation": "A unique 10-digit SEC-issued value to identify entities that have filed disclosures with the SEC. It is commonly abbreviated as CIK." } } }, "auth_ref": [ "r718" ] }, "dei_EntityCommonStockSharesOutstanding": { "xbrltype": "sharesItemType",
"nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCommonStockSharesOutstanding", "presentation": [ "http://www.advancedemissionssolutions.com/role/CoverPage"
], "lang": { "en-us": { "role": { "terseLabel": "Entity Common Stock, Shares Outstanding", "label": "Entity Common Stock, Shares Outstanding", "documentation": "Indicate number of shares or other units outstanding of each of registrant's classes of capital or common stock or other ownership interests, if and as stated on cover of related periodic report. Where multiple classes or units exist define each class/interest by adding class of stock items such as Common Class A [Member], Common Class B [Member] or Partnership Interest [Member] onto the Instrument [Domain] of the Entity Listings, Instrument." } } }, "auth_ref": [] }, "dei_EntityCurrentReportingStatus": { "xbrltype":
"yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCurrentReportingStatus", "presentation": [
"http://www.advancedemissionssolutions.com/role/CoverPage" ], "lang": { "en-us": { "role": { "terseLabel": "Entity Current Reporting Status", "label": "Entity Current Reporting Status", "documentation": "Indicate 'Yes' or 'No' whether registrants (1) have filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that registrants were required to file such reports), and (2) have been subject to such filing requirements for the past 90 days. This information should be based on the registrant's current or most recent filing containing the related disclosure." } } }, "auth_ref": [] },
"dei_EntityDomain": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityDomain", "presentation": [
"http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Entity [Domain]", "label": "Entity [Domain]",
"documentation": "All the names of the entities being reported upon in a document. Any legal structure used to conduct activities or to hold assets. Some examples of such structures are corporations, partnerships, limited liability companies, grantor trusts, and other trusts. This item does not include business and geographical segments which are included in the geographical or business segments domains." } } }, "auth_ref": [] }, "dei_EntityEmergingGrowthCompany": { "xbrltype": "booleanItemType", "nsuri":
"http://xbrl.sec.gov/dei/2024", "localname": "EntityEmergingGrowthCompany", "presentation": [ "http://www.advancedemissionssolutions.com/role/CoverPage" ], "lang": { "en-
us": { "role": { "terseLabel": "Entity Emerging Growth Company", "label": "Entity Emerging Growth Company", "documentation": "Indicate if registrant meets the emerging growth company criteria." } } }, "auth_ref": [ "r718" ] }, "dei_EntityFileNumber": { "xbrltype": "fileNumberItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname":
"EntityFileNumber", "presentation": [ "http://www.advancedemissionssolutions.com/role/CoverPage" ], "lang": { "en-us": { "role": { "terseLabel": "Entity File Number", "label":
"Entity File Number", "documentation": "Commission file number. The field allows up to 17 characters. The prefix may contain 1-3 digits, the sequence number may contain 1-8 digits, the optional suffix may contain 1-4 characters, and the fields are separated with a hyphen." } } }, "auth_ref": [] }, "dei_EntityFilerCategory": { "xbrltype":
"filerCategoryItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityFilerCategory", "presentation": [
"http://www.advancedemissionssolutions.com/role/CoverPage" ], "lang": { "en-us": { "role": { "terseLabel": "Entity Filer Category", "label": "Entity Filer Category",
"documentation": "Indicate whether the registrant is one of the following: Large Accelerated Filer, Accelerated Filer, Non-accelerated Filer. Definitions of these categories are stated in Rule 12b-2 of the Exchange Act. This information should be based on the registrant's current or most recent filing containing the related disclosure." } } },
"auth_ref": [ "r718" ] }, "dei_EntityIncorporationStateCountryCode": { "xbrltype": "edgarStateCountryItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname":
"EntityIncorporationStateCountryCode", "presentation": [ "http://www.advancedemissionssolutions.com/role/CoverPage" ], "lang": { "en-us": { "role": { "terseLabel": "Entity
```

Incorporation, State or Country Code", "label": "Entity Incorporation, State or Country Code", "documentation": "Two-character EDGAR code representing the state or country of incorporation." } } }, "auth_ref": [] }, "dei_EntityInteractiveDataCurrent": { "xbrltype": "yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityInteractiveDataCurrent", "presentation": ["http://www.advancedemissionssolutions.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Interactive Data Current", "label": "Entity Interactive Data Current", "documentation": "Boolean flag that is true when the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files)." } } }, "auth_ref": ["r802"] }, "dei_EntityRegistrantName": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityRegistrantName", "presentation": ["http://www.advancedemissionssolutions.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Registrant Name", "label": "Entity Registrant Name", "documentation": "The exact name of the entity filing the report as specified in its charter, which is required by forms filed with the SEC." } } }, "auth_ref": ["r718"] }, "dei_EntityShellCompany": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityShellCompany", "presentation": ["http://www.advancedemissionssolutions.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Shell Company", "label": "Entity Shell Company", "documentation": "Boolean flag that is true when the registrant is a shell company as defined in Rule 12b-2 of the Exchange Act." } } }, "auth_ref": ["r718"] }, "dei_EntitySmallBusiness": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntitySmallBusiness", "presentation": ["http://www.advancedemissionssolutions.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Small Business", "label": "Entity Small Business", "documentation": "Indicates that the company is a Smaller Reporting Company (SRC)." } } }, "auth_ref": ["r718"] }, "dei_EntityTaxIdentificationNumber": { "xbrltype": "employerIdItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityTaxIdentificationNumber", "presentation": ["http://www.advancedemissionssolutions.com/role/CoverPage"], "lang": { "en-us": { "role": { "terseLabel": "Entity Tax Identification Number", "label": "Entity Tax Identification Number", "documentation": "The Tax Identification Number (TIN), also known as an Employer Identification Number (EIN), is a unique 9-digit value assigned by the IRS." } } }, "auth_ref": ["r718"] }, "ecd_EqtyAwrdsAdjFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EqtyAwrdsAdjFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Equity Awards Adjustments, Footnote", "label": "Equity Awards Adjustments, Footnote [Text Block]" } } }, "auth_ref": ["r757"] }, "ecd_EqtyAwrdsAdjsExclgValRprtdInSummryCompstnTblMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EqtyAwrdsAdjsExclgValRprtdInSummryCompstnTblMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Equity Awards Adjustments, Excluding Value Reported in Compensation Table", "label": "Equity Awards Adjustments, Excluding Value Reported in the Compensation Table [Member]" } } }, "auth_ref": ["r798"] }, "ecd_EqtyAwrdsAdjsMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EqtyAwrdsAdjsMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Equity Awards Adjustments", "label": "Equity Awards Adjustments [Member]" } } }, "auth_ref": ["r798"] }, "ecd_EqtyAwrdsInSummryCompstnTblForAplblYrMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EqtyAwrdsInSummryCompstnTblForAplblYrMember", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Aggregate Grant Date Fair Value of Equity Award Amounts Reported in Summary Compensation Table", "label": "Aggregate Grant Date Fair Value of Equity Award Amounts Reported in Summary Compensation Table [Member]" } } }, "auth_ref": ["r798"] }, "us-gaap_EquityAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityAbstract", "lang": { "en-us": { "role": { "terseLabel": "Equity [Abstract]", "label": "Equity [Abstract]" } } }, "auth_ref": [] }, "us-gaap_EquityComponentDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityComponentDomain", "presentation": ["http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails", "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity", "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails", "http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails"], "lang": { "en-us": { "role": { "terseLabel": "Equity Component [Domain]", "label": "Equity Component [Domain]", "documentation": "Components of equity are the parts of the total Equity balance including that which is allocated to common, preferred, treasury stock, retained earnings, etc." } } }, "auth_ref": ["r10", "r143", "r161", "r162", "r163", "r179", "r180", "r181", "r183", "r188", "r190", "r192", "r211", "r236", "r237", "r250", "r326", "r390", "r391", "r398", "r399", "r400", "r402", "r408", "r409", "r415", "r416", "r417", "r418", "r419", "r420", "r422", "r433", "r434", "r435", "r436", "r437", "r438", "r441", "r443", "r463", "r521", "r535", "r536", "r537", "r549", "r615"] }, "srt_EquityMethodInvesteeNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "EquityMethodInvesteeNameDomain", "presentation": ["http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails", "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationNarrativeDetails", "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Investment, Name [Domain]", "label": "Investment, Name [Domain]" } } }, "auth_ref": ["r232", "r233", "r234", "r397", "r804", "r805", "r806", "r876", "r877", "r878", "r879"] }, "us-gaap_EquityMethodInvestmentOwnershipPercentage": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityMethodInvestmentOwnershipPercentage", "presentation": ["http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Ownership interest, percent (as percent)", "label": "Equity Method Investment, Ownership Percentage", "documentation": "The percentage of ownership of common stock or equity participation in the investee accounted for under the equity method of accounting." } } }, "auth_ref": ["r232"] }, "us-gaap_EquityMethodInvestments": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityMethodInvestments", "crdr": "debit", "presentation": ["http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Equity method investments", "label": "Equity Method Investments", "documentation": "This item represents the carrying amount on the entity's balance sheet of its investment in common stock of an equity method investee. This is not an indicator of the fair value of the investment, rather it is the initial cost adjusted for the entity's share of earnings and losses of the investee, adjusted for any distributions (dividends) and other than temporary impairment (OTTI) losses recognized." } } }, "auth_ref": ["r210", "r221", "r224", "r231", "r814", "r844"] }, "ecd_EquityValuationAssumptionDifferenceFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EquityValuationAssumptionDifferenceFnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Equity Valuation Assumption Difference, Footnote", "label": "Equity Valuation Assumption Difference, Footnote [Text Block]" } } }, "auth_ref": ["r767"] }, "ecd_ErrCompAnalysisTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ErrCompAnalysisTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Erroneous Compensation Analysis", "label": "Erroneous Compensation Analysis [Text Block]" } } }, "auth_ref": ["r725", "r735", "r745", "r777"] }, "ecd_ErrCompRecoveryTable": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ErrCompRecoveryTable", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Erroneously Awarded Compensation Recovery", "label": "Erroneously Awarded Compensation Recovery [Table]" } } }, "auth_ref": ["r722", "r732", "r742", "r774"] }, "ecd_ExecutiveCategoryAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ExecutiveCategoryAxis", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Executive Category:", "label": "Executive Category [Axis]" } } }, "auth_ref": ["r773"] }, "us-gaap_FairValueMeasurementPolicyPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueMeasurementPolicyPolicyTextBlock", "presentation": ["http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationPolicies"], "lang": { "en-us": { "role": { "terseLabel": "Fair value measurement", "label": "Fair Value Measurement, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for fair value measurements of financial and non-financial assets, liabilities and instruments classified in shareholders' equity. Disclosures include, but are not limited to, how an entity that manages a group of financial assets and liabilities on the basis of its net exposure measures the fair value of those assets and liabilities." } } }, "auth_ref": [] }, "us-gaap_FinanceLeaseInterestExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseInterestExpense", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/LeasesScheduleofLeaseLiabilitiesDetails": { "parentTag": "us-gaap_LeaseCost", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.advancedemissionssolutions.com/role/LeasesScheduleofLeaseLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Interest on lease liabilities", "label": "Finance Lease, Interest Expense", "documentation": "Amount of interest expense on finance lease liability." } } }, "auth_ref": ["r447", "r453", "r690"] }, "us-gaap_FinanceLeaseInterestPaymentOnLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseInterestPaymentOnLiability", "crdr": "credit", "presentation": ["http://www.advancedemissionssolutions.com/role/LeasesScheduleofLeaseLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Operating cash flows for finance leases", "label": "Finance Lease, Interest Payment on Liability", "documentation": "Amount of interest paid on finance lease liability." } } }, "auth_ref": ["r449", "r457"] }, "us-gaap_FinanceLeaseLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseLiability", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails": { "parentTag": "us-gaap_LongTermDebt", "weight": 1.0, "order": 2.0 }, "http://www.advancedemissionssolutions.com/role/LeasesScheduleofOperatingandFinanceLeaseRightOfUseROUAssetsandLiabilitiesDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails", "http://www.advancedemissionssolutions.com/role/LeasesScheduleofOperatingandFinanceLeaseRightOfUseROUAssetsandLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Finance lease obligations", "totalLabel": "Total finance lease obligations", "label": "Finance Lease, Liability", "documentation": "Present value of lessee's discounted obligation for lease payments from finance lease." } } }, "auth_ref": ["r445", "r461"] }, "us-gaap_FinanceLeaseLiabilityAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseLiabilityAbstract", "presentation": ["http://www.advancedemissionssolutions.com/role/LeasesScheduleofOperatingandFinanceLeaseRightOfUseROUAssetsandLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Finance Leases", "label": "Finance Lease, Liability [Abstract]" } } }, "auth_ref": [] }, "us-gaap_FinanceLeaseLiabilityCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseLiabilityCurrent", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/LeasesScheduleofOperatingandFinanceLeaseRightOfUseROUAssetsandLiabilitiesDetails": { "parentTag": "us-gaap_FinanceLeaseLiability", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.advancedemissionssolutions.com/role/LeasesScheduleofOperatingandFinanceLeaseRightOfUseROUAssetsandLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Finance lease obligations, current", "label": "Finance Lease, Liability, Current", "documentation": "Present value of lessee's discounted obligation for lease payments from finance lease, classified as current." } } }, "auth_ref": ["r445"] }, "us-gaap_FinanceLeaseLiabilityNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseLiabilityNoncurrent", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/LeasesScheduleofOperatingandFinanceLeaseRightOfUseROUAssetsandLiabilitiesDetails": { "parentTag": "us-gaap_FinanceLeaseLiability", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.advancedemissionssolutions.com/role/LeasesScheduleofOperatingandFinanceLeaseRightOfUseROUAssetsandLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Long-term finance lease obligations", "label": "Finance Lease, Liability, Noncurrent", "documentation": "Present value of lessee's discounted obligation for lease payments from finance lease, classified as noncurrent." } } }, "auth_ref": ["r445"] }, "us-gaap_FinanceLeasePrincipalPayments": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeasePrincipalPayments", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": -1.0, "order": 5.0 } }, "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows", "http://www.advancedemissionssolutions.com/role/LeasesScheduleofLeaseLiabilitiesDetails"], "lang": { "en-us": { "role": { "negatedLabel": "Principal payments on finance lease obligations", "terseLabel": "Financing cash flows for finance leases", "label": "Finance Lease, Principal Payments", "documentation": "Amount of cash outflow for principal payment on finance lease." } } }, "auth_ref": ["r448", "r457"] }, "us-gaap_FinanceLeaseRightOfUseAsset": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseRightOfUseAsset", "crdr": "debit", "presentation": ["http://www.advancedemissionssolutions.com/role/LeasesScheduleofOperatingandFinanceLeaseRightOfUseROUAssetsandLiabilitiesDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Finance lease right-of-use assets, net of accumulated amortization", "label": "Finance Lease, Right-of-Use Asset, after Accumulated Amortization", "documentation": "Amount, after accumulated amortization, of right-of-use asset from finance lease." } } }, "auth_ref": ["r444"] }, "us-gaap_FinanceLeaseRightOfUseAssetAccumulatedAmortization": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseRightOfUseAssetAccumulatedAmortization", "crdr": "credit", "presentation": ["http://www.advancedemissionssolutions.com/role/LeasesScheduleofOperatingandFinanceLeaseRightOfUseROUAssetsandLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Finance lease, accumulated amortization", "label": "Finance Lease, Right-of-Use Asset, Accumulated Amortization", "documentation": "Amount of accumulated amortization of right-of-use asset from finance lease." } } }, "auth_ref": ["r807", "r812"] }, "us-gaap_FinanceLeaseRightOfUseAssetAmortization": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseRightOfUseAssetAmortization", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/LeasesScheduleofLeaseLiabilitiesDetails": { "parentTag": "us-gaap_LeaseCost", "weight": 1.0, "order": 1.0 } },

```
"presentation": [ "http://www.advancedemissionssolutions.com/role/LeasesScheduleofLeaseLiabilitiesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Amortization of right-of-use assets", "label": "Finance Lease, Right-of-Use Asset, Amortization", "documentation": "Amount of amortization expense attributable to right-of-use asset from finance lease." } } }, "auth_ref": [ "r447", "r453", "r690" ] }, "us-gaap_FinanceLeaseWeightedAverageDiscountRatePercent": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseWeightedAverageDiscountRatePercent", "presentation": [
"http://www.advancedemissionssolutions.com/role/LeasesScheduleofLeaseLiabilitiesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Weighted-average discount rate - finance leases", "label": "Finance Lease, Weighted Average Discount Rate, Percent", "documentation": "Weighted average discount rate for finance lease calculated at point in time." } } }, "auth_ref": [ "r460", "r690" ] }, "us-gaap_FinanceLeaseWeightedAverageRemainingLeaseTerm1": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinanceLeaseWeightedAverageRemainingLeaseTerm1", "presentation": [
"http://www.advancedemissionssolutions.com/role/LeasesScheduleofLeaseLiabilitiesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Weighted-average remaining lease term - finance leases", "label": "Finance Lease, Weighted Average Remaining Lease Term", "documentation": "Weighted average remaining lease term for finance lease, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days." } } }, "auth_ref": [ "r459", "r690" ] }, "us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsByMajorClassAxis", "presentation": [
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Finite-Lived Intangible Assets by Major Class [Axis]", "label": "Finite-Lived Intangible Assets by Major Class [Axis]", "documentation": "Information by major type or class of finite-lived intangible assets." } } }, "auth_ref": [ "r241", "r242", "r243", "r244", "r246", "r247", "r248", "r249", "r475", "r476", "r649" ] }, "us-gaap_FiniteLivedIntangibleAssetsMajorClassNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsMajorClassNameDomain", "presentation": [
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Finite-Lived Intangible Assets, Major Class Name [Domain]", "label": "Finite-Lived Intangible Assets, Major Class Name [Domain]", "documentation": "The major class of finite-lived intangible asset (for example, patents, trademarks, copyrights, etc.) A major class is composed of intangible assets that can be grouped together because they are similar, either by their nature or by their use in the operations of a company." } } }, "auth_ref": [ "r241", "r242", "r243", "r244", "r246", "r247", "r248", "r249", "r649" ] }, "us-gaap_FinitelivedIntangibleAssetsAcquired1": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FinitelivedIntangibleAssetsAcquired1", "crdr": "debit", "presentation": [
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Amount", "label": "Finite-Lived Intangible Assets Acquired", "documentation": "Amount of increase in assets, excluding financial assets, lacking physical substance with a definite life, from an acquisition." } } }, "auth_ref": [ "r242" ] }, "ades_FiscalYear2024Member": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "FiscalYear2024Member", "presentation": [
"http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Fiscal Year 2024", "label": "Fiscal Year 2024 [Member]", "documentation": "Fiscal Year 2024" } } }, "auth_ref": [] }, "ades_FiscalYear2025AndThereafterMember": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "FiscalYear2025AndThereafterMember", "presentation": [
"http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Fiscal Year 2025 and Thereafter", "label": "Fiscal Year 2025 and Thereafter [Member]", "documentation": "Fiscal Year 2025 and Thereafter" } } }, "auth_ref": [] }, "ades_FiveForksMineMember": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "FiveForksMineMember", "presentation": [
"http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Five Forks Mine", "label": "Five Forks Mine [Member]", "documentation": "Five Forks Mine" } } }, "auth_ref": [] }, "ecd_ForgoneRecoveryDueToDisqualificationOfTaxBenefitsAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ForgoneRecoveryDueToDisqualificationOfTaxBenefitsAmt", "presentation": [
"http://xbrl.sec.gov/ecd/role/ErrCompDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Forgone Recovery due to Disqualification of Tax Benefits, Amount", "label": "Forgone Recovery due to Disqualification of Tax Benefits, Amount" } } }, "auth_ref": [ "r729", "r739", "r749", "r781" ] },
"ecd_ForgoneRecoveryDueToExpenseOfEnforcementAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ForgoneRecoveryDueToExpenseOfEnforcementAmt", "presentation": [ "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Forgone Recovery due to Expense of Enforcement, Amount", "label": "Forgone Recovery due to Expense of Enforcement, Amount" } } }, "auth_ref": [ "r729", "r739", "r749", "r781" ] },
"ecd_ForgoneRecoveryDueToViolationOfHomeCountryLawAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ForgoneRecoveryDueToViolationOfHomeCountryLawAmt", "presentation": [ "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Forgone Recovery due to Violation of Home Country Law, Amount", "label": "Forgone Recovery due to Violation of Home Country Law, Amount" } } }, "auth_ref": [ "r729", "r739", "r749", "r781" ] }, "ecd_ForgoneRecoveryExplanationOfImpracticabilityTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ForgoneRecoveryExplanationOfImpracticabilityTextBlock", "presentation": [ "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Forgone Recovery, Explanation of Impracticability", "label": "Forgone Recovery, Explanation of Impracticability [Text Block]" } } }, "auth_ref": [ "r729", "r739", "r749", "r781" ] }, "ecd_ForgoneRecoveryIndName": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ForgoneRecoveryIndName", "presentation": [ "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Name", "label": "Forgone Recovery, Individual Name" } } }, "auth_ref": [ "r729", "r739", "r749", "r781" ] }, "ecd_FrValAsOfPrrYrEndOfEqtyAwrdsGrntdInPrrYrsFldVstngCondsDrngCvrdYrMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "FrValAsOfPrrYrEndOfEqtyAwrdsGrntdInPrrYrsFldVstngCondsDrngCvrdYrMember", "presentation": [
"http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Prior Year End Fair Value of Equity Awards Granted in Any Prior Year that Fail to Meet Applicable Vesting Conditions During Covered Year", "label": "Prior Year End Fair Value of Equity Awards Granted in Any Prior Year that Fail to Meet Applicable Vesting Conditions During Covered Year [Member]" } } }, "auth_ref": [ "r762" ] }, "us-gaap_GainLossOnDispositionOfAssets1": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "GainLossOnDispositionOfAssets1", "crdr": "credit", "calculation": {
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": -1.0, "order": 2.0 }, "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations": { "parentTag": "us-gaap_OperatingExpenses", "weight": -1.0, "order": 4.0 } }, "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows",
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations" ], "lang": { "en-us": { "role": { "negatedTerseLabel": "Gain on sale of assets", "label": "Gain (Loss) on Disposition of Assets", "documentation": "Amount of gain (loss) on sale or disposal of assets, including but not limited to property plant and equipment, intangible assets and equity in securities of subsidiaries or equity method investee." } } }, "auth_ref": [ "r826" ] }, "us-gaap_GainLossOnSaleOfOtherAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "GainLossOnSaleOfOtherAssets", "crdr": "credit", "presentation": [
"http://www.advancedemissionssolutions.com/role/MarshallMineDetails" ], "lang": { "en-us": { "role": { "verboseLabel": "Gain on sale of Marshall Mine, LLC", "label": "Gain (Loss) on Disposition of Other Assets", "documentation": "Amount of gain (loss) on sale or disposal of other assets." } } }, "auth_ref": [ "r826" ] }, "us-gaap_GeneralAndAdministrativeExpenseMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "GeneralAndAdministrativeExpenseMember", "presentation": [ "http://www.advancedemissionssolutions.com/role/LeasesNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "General and Administrative Expense", "label": "General and Administrative Expense [Member]", "documentation": "Primary financial statement caption encompassing general and administrative expense." } } }, "auth_ref": [ "r90" ] }, "us-gaap_GeographicConcentrationRiskMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "GeographicConcentrationRiskMember", "presentation": [
"http://www.advancedemissionssolutions.com/role/RevenuesNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Geographic Concentration Risk", "label": "Geographic Concentration Risk [Member]", "documentation": "Reflects the percentage that a specified dollar value on the balance sheet or income statement in the period from one or more specified geographic areas is to a corresponding consolidated, segment, or product line amount. Risk is the materially adverse effects of economic decline or antagonistic political actions resulting in loss of assets, sales volume, labor supply, or source of materials and supplies in a US state or a specified country, continent, or region such as EMEA (Europe, Middle East, Africa)." } } }, "auth_ref": [ "r28", "r637" ] }, "ades_HighviewEnterprisesLimitedMember": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "HighviewEnterprisesLimitedMember", "presentation": [
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Highview Enterprises Limited", "label": "Highview Enterprises Limited [Member]", "documentation": "Highview Enterprises Limited [Member]" } } }, "auth_ref": [] }, "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest", "crdr": "credit", "calculation": {
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations": { "parentTag": "us-gaap_NetIncomeLoss", "weight": 1.0, "order": 2.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations" ], "lang": { "en-us": { "role": { "totalLabel": "Income (loss) before income taxes", "label": "Income (Loss) from Continuing Operations before Income Taxes, Noncontrolling Interest", "documentation": "Amount of income (loss) from continuing operations, including income (loss) from equity method investments, before deduction of income tax expense (benefit), and income (loss) attributable to noncontrolling interest." } } }, "auth_ref": [ "r85", "r127", "r131", "r508", "r519", "r661", "r662", "r837", "r838", "r839", "r840", "r841" ] }, "us-gaap_IncomeLossFromEquityMethodInvestments": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeLossFromEquityMethodInvestments", "crdr": "credit", "calculation": {
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations": { "parentTag": "us-gaap_NonoperatingIncomeExpense", "weight": 1.0, "order": 1.0 }, "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": -1.0, "order": 16.0 } }, "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows",
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations",
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Earnings from equity method investments", "negatedTerseLabel": "Earnings from equity method investments", "label": "Income (Loss) from Equity Method Investments", "documentation": "Amount of income (loss) for proportionate share of equity method investee's income (loss)." } } }, "auth_ref": [ "r7", "r86", "r126", "r210", "r219", "r224", "r231", "r518" ] }, "us-gaap_IncomeStatementAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeStatementAbstract", "lang": { "en-us": { "role": { "terseLabel": "Statement of Operations", "label": "Income Statement [Abstract]" } } }, "auth_ref": [] }, "us-gaap_IncomeStatementBalanceSheetAndAdditionalDisclosuresByDisposalGroupsIncludingDiscontinuedOperationsAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeStatementBalanceSheetAndAdditionalDisclosuresByDisposalGroupsIncludingDiscontinuedOperationsAxis", "presentation": [ "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofChangeinAssetRetirementObligationDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Disposal Group Name [Axis]", "label": "Disposal Group Name [Axis]", "documentation": "Information by name of disposal group." } } }, "auth_ref": [ "r679", "r680" ] }, "us-gaap_IncomeStatementLocationAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeStatementLocationAxis", "presentation": [ "http://www.advancedemissionssolutions.com/role/LeasesNarrativeDetails",
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Income Statement Location [Axis]", "label": "Statement of Income Location, Balance [Axis]", "documentation": "Information by location in statement of income where disaggregated amount has been reported." } } }, "auth_ref": [ "r251", "r257", "r264", "r428", "r429", "r430", "r532", "r534", "r600", "r649", "r684", "r909" ] }, "us-gaap_IncomeStatementLocationDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeStatementLocationDomain", "presentation": [ "http://www.advancedemissionssolutions.com/role/LeasesNarrativeDetails",
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Income Statement Location [Domain]", "label": "Statement of Income Location, Balance [Domain]", "documentation": "Location in statement of income where disaggregated amount has been reported." } } }, "auth_ref": [ "r257", "r264", "r428", "r429", "r430", "r532", "r534", "r600", "r649", "r684", "r909" ] }, "us-gaap_IncomeTaxDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxDisclosureAbstract", "lang": { "en-us": { "role": { "terseLabel": "Income Tax Disclosure [Abstract]", "label": "Income Tax Disclosure [Abstract]" } } }, "auth_ref": [] }, "us-gaap_IncomeTaxDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri":
```

```
"http://fasb.org/us-gaap/2024", "localname": "IncomeTaxDisclosureTextBlock", "presentation": [ "http://www.advancedemissionssolutions.com/role/IncomeTaxes" ], "lang": { "en-us": { "role": { "terseLabel": "Income Taxes", "label": "Income Tax Disclosure [Text Block]", "documentation": "The entire disclosure for income tax." } } }, "auth_ref": [ "r173", "r382", "r384", "r385", "r386", "r387", "r388", "r389", "r392", "r394", "r395", "r396", "r548", "r683" ] }, "us-gaap_IncomeTaxExpenseBenefit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeTaxExpenseBenefit", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations": { "parentTag": "us-gaap_NetIncomeLoss", "weight": -1.0, "order": 1.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations", "http://www.advancedemissionssolutions.com/role/IncomeTaxesScheduleofIncomeTaxExpenseandEffectiveTaxRatesDetails" ], "lang": { "en-us": { "role": { "negatedTerseLabel": "Income tax (expense) benefit", "label": "Income Tax Expense (Benefit)", "documentation": "Amount of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations." } } }, "auth_ref": [ "r134", "r140", "r191", "r192", "r210", "r220", "r224", "r383", "r384", "r393", "r523", "r683" ] }, "us-gaap_IncreaseDecreaseInAccountsPayableAndAccruedLiabilities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncreaseDecreaseInAccountsPayableAndAccruedLiabilities", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 15.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "terseLabel": "Accounts payable and accrued expenses", "label": "Increase (Decrease) in Accounts Payable and Accrued Liabilities", "documentation": "The increase (decrease) during the reporting period in the amounts payable to vendors for goods and services received and the amount of obligations and expenses incurred but not paid." } } }, "auth_ref": [ "r6" ] }, "us-gaap_IncreaseDecreaseInInventories": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncreaseDecreaseInInventories", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": -1.0, "order": 1.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "negatedLabel": "Inventories, net", "label": "Increase (Decrease) in Inventories", "documentation": "The increase (decrease) during the reporting period in the aggregate value of all inventory held by the reporting entity, associated with underlying transactions that are classified as operating activities." } } }, "auth_ref": [ "r6" ] }, "us-gaap_IncreaseDecreaseInOperatingCapitalAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncreaseDecreaseInOperatingCapitalAbstract", "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "terseLabel": "Changes in operating assets and liabilities:", "label": "Increase (Decrease) in Operating Capital [Abstract]" } } }, "auth_ref": [] }, "us-gaap_IncreaseDecreaseInOtherCurrentLiabilities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncreaseDecreaseInOtherCurrentLiabilities", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 5.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "terseLabel": "Other current liabilities", "label": "Increase (Decrease) in Other Current Liabilities", "documentation": "Amount of increase (decrease) in current liabilities classified as other." } } }, "auth_ref": [ "r825" ] }, "us-gaap_IncreaseDecreaseInOtherNoncurrentAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncreaseDecreaseInOtherNoncurrentAssets", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": -1.0, "order": 6.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "negatedTerseLabel": "Other long-term assets, net", "label": "Increase (Decrease) in Other Noncurrent Assets", "documentation": "Amount of increase (decrease) in noncurrent assets classified as other." } } }, "auth_ref": [ "r825" ] }, "us-gaap_IncreaseDecreaseInOtherNoncurrentLiabilities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncreaseDecreaseInOtherNoncurrentLiabilities", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 7.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "terseLabel": "Other long-term liabilities", "label": "Increase (Decrease) in Other Noncurrent Liabilities", "documentation": "Amount of increase (decrease) in noncurrent operating liabilities classified as other." } } }, "auth_ref": [] }, "us-gaap_IncreaseDecreaseInPrepaidDeferredExpenseAndOtherAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncreaseDecreaseInPrepaidDeferredExpenseAndOtherAssets", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": -1.0, "order": 13.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "negatedLabel": "Prepaid expenses and other assets", "label": "Increase (Decrease) in Prepaid Expense and Other Assets", "documentation": "Amount of increase (decrease) in prepaid expenses, and assets classified as other." } } }, "auth_ref": [ "r6" ] }, "us-gaap_IncreaseDecreaseInStockholdersEquityRollForward": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncreaseDecreaseInStockholdersEquityRollForward", "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity" ], "lang": { "en-us": { "role": { "terseLabel": "Increase (Decrease) in Stockholders' Equity [Roll Forward]", "label": "Increase (Decrease) in Stockholders' Equity [Roll Forward]", "documentation": "A roll forward is a reconciliation of a concept from the beginning of a period to the end of a period." } } }, "auth_ref": [] }, "ades_IncreaseDecreaseinAccountsReceivableandIncreaseDecreaseinAccountsReceivableRelatedParties": { "xbrltype": "monetaryItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "IncreaseDecreaseinAccountsReceivableandIncreaseDecreaseinAccountsReceivableRelatedParties", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": -1.0, "order": 9.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "negatedTerseLabel": "Receivables and related party receivables", "label": "Increase (Decrease) in Accounts Receivable and Increase (Decrease) in Accounts Receivable, Related Parties", "documentation": "Increase (Decrease) in Accounts Receivable and Increase (Decrease) in Accounts Receivable, Related Parties" } } }, "auth_ref": [] }, "ades_IncreaseDecreaseinOperatingLeaseLiabilities": { "xbrltype": "monetaryItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "IncreaseDecreaseinOperatingLeaseLiabilities", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 11.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "terseLabel": "Operating lease liabilities", "label": "Increase (Decrease) in Operating Lease Liabilities", "documentation": "Increase (Decrease) in Operating Lease Liabilities" } } }, "auth_ref": [] }, "ecd_IndividualAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "IndividualAxis", "presentation": [ "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure", "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure", "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements", "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Individual:", "label": "Individual [Axis]" } } }, "auth_ref": [ "r729", "r739", "r749", "r773", "r781", "r785", "r793" ] }, "ecd_InsiderTradingArrLineItems": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "InsiderTradingArrLineItems", "lang": { "en-us": { "role": { "label": "Insider Trading Arrangements [Line Items]" } } }, "auth_ref": [ "r791" ] }, "ecd_InsiderTradingPoliciesProcLineItems": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "InsiderTradingPoliciesProcLineItems", "lang": { "en-us": { "role": { "label": "Insider Trading Policies and Procedures [Line Items]" } } }, "auth_ref": [ "r721", "r797" ] }, "ecd_InsiderTrdPoliciesProcAdoptedFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "InsiderTrdPoliciesProcAdoptedFlag", "presentation": [ "http://xbrl.sec.gov/ecd/role/InsiderTradingPoliciesProc" ], "lang": { "en-us": { "role": { "terseLabel": "Insider Trading Policies and Procedures Adopted", "label": "Insider Trading Policies and Procedures Adopted [Flag]" } } }, "auth_ref": [ "r721", "r797" ] }, "ecd_InsiderTrdPoliciesProcNotAdoptedTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "InsiderTrdPoliciesProcNotAdoptedTextBlock", "presentation": [ "http://xbrl.sec.gov/ecd/role/InsiderTradingPoliciesProc" ], "lang": { "en-us": { "role": { "terseLabel": "Insider Trading Policies and Procedures Not Adopted", "label": "Insider Trading Policies and Procedures Not Adopted [Text Block]" } } }, "auth_ref": [ "r721", "r797" ] }, "us-gaap_IntangibleAssetsNetExcludingGoodwill": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IntangibleAssetsNetExcludingGoodwill", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails": { "parentTag": "us-gaap_OtherAssetsNoncurrent", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Intangible assets, net", "label": "Intangible Assets, Net (Excluding Goodwill)", "documentation": "Sum of the carrying amounts of all intangible assets, excluding goodwill, as of the balance sheet date, net of accumulated amortization and impairment charges." } } }, "auth_ref": [ "r241", "r852", "r853" ] }, "us-gaap_InterestExpenseNonoperating": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InterestExpenseNonoperating", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations": { "parentTag": "us-gaap_NonoperatingIncomeExpense", "weight": -1.0, "order": 2.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations" ], "lang": { "en-us": { "role": { "negatedLabel": "Interest expense", "label": "Interest Expense, Nonoperating", "documentation": "Amount of interest expense classified as nonoperating." } } }, "auth_ref": [ "r217", "r822" ] }, "us-gaap_InventoryDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryDisclosureAbstract", "lang": { "en-us": { "role": { "terseLabel": "Inventory Disclosure [Abstract]", "label": "Inventory Disclosure [Abstract]" } } }, "auth_ref": [] }, "us-gaap_InventoryDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryDisclosureTextBlock", "presentation": [ "http://www.advancedemissionssolutions.com/role/Inventoriesnet" ], "lang": { "en-us": { "role": { "terseLabel": "Inventories, net", "label": "Inventory Disclosure [Text Block]", "documentation": "The entire disclosure for inventory. Includes, but is not limited to, the basis of stating inventory, the method of determining inventory cost, the classes of inventory, and the nature of the cost elements included in inventory." } } }, "auth_ref": [ "r238" ] }, "us-gaap_InventoryFinishedGoods": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryFinishedGoods", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/InventoriesnetDetails": { "parentTag": "us-gaap_InventoryNet", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/InventoriesnetDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Product inventory, net", "label": "Inventory, Finished Goods, Gross", "documentation": "Amount before valuation and LIFO reserves of completed merchandise or goods expected to be sold within one year or operating cycle, if longer." } } }, "auth_ref": [ "r818" ] }, "us-gaap_InventoryNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryNet", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 4.0 }, "http://www.advancedemissionssolutions.com/role/InventoriesnetDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets", "http://www.advancedemissionssolutions.com/role/InventoriesnetDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Inventories, net", "totalLabel": "Total inventories, net", "label": "Inventory, Net", "documentation": "Amount after valuation and LIFO reserves of inventory expected to be sold, or consumed within one year or operating cycle, if longer." } } }, "auth_ref": [ "r156", "r653", "r691" ] }, "us-gaap_InventoryRawMaterialsAndSupplies": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryRawMaterialsAndSupplies", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/InventoriesnetDetails": { "parentTag": "us-gaap_InventoryNet", "weight": 1.0, "order": 2.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/InventoriesnetDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Raw material inventory", "label": "Inventory, Raw Materials and Supplies, Gross", "documentation": "Gross amount of unprocessed materials to be used in manufacturing or production process and supplies that will be consumed." } } }, "auth_ref": [ "r820" ] }, "ades_IssuedUponVestingOfPSUsMember": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "IssuedUponVestingOfPSUsMember", "presentation": [ "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofPerformanceSharesUnitsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Issued Upon Vesting of PSUs", "label": "Issued Upon Vesting of PSUs [Member]", "documentation": "Issued Upon Vesting of PSUs" } } }, "auth_ref": [] }, "us-gaap_LeaseCost": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LeaseCost", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/LeasesScheduleofLeaseLiabilitiesDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/LeasesScheduleofLeaseLiabilitiesDetails" ], "lang": { "en-us": { "role": { "totalLabel": "Total lease cost", "label": "Lease, Cost", "documentation": "Amount of lease cost recognized by lessee for lease contract." } } }, "auth_ref": [ "r452", "r690" ] }, "us-gaap_LeaseCostAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LeaseCostAbstract", "presentation": [ "http://www.advancedemissionssolutions.com/role/LeasesScheduleofLeaseLiabilitiesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Finance lease cost:", "label": "Lease, Cost [Abstract]" } } }, "auth_ref": [] }, "us-gaap_LeaseCostTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
```

```
"LeaseCostTableTextBlock", "presentation": [ "http://www.advancedemissionssolutions.com/role/LeasesTables" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Operating and Finance Lease Right-Of-Use ("ROU") Assets and Liabilities", "label": "Lease, Cost [Table Text Block]", "documentation": "Tabular disclosure of lessee's lease cost. Includes, but is not limited to, interest expense for finance lease, amortization of right-of-use asset for finance lease, operating lease cost, short-term lease cost, variable lease cost and sublease income." } } }, "auth_ref": [ "r896" ] }, "us-gaap_LeasesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LeasesAbstract", "lang": { "en-us": { "role": { "terseLabel": "Leases [Abstract]", "label": "Leases [Abstract]" } } }, "auth_ref": [] }, "us-gaap_LeasesOperatingAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LeasesOperatingAbstract", "presentation": [ "http://www.advancedemissionssolutions.com/role/LeasesScheduleofOperatingandFinanceLeaseRightOfUseROUAssetsandLiabilitiesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Operating Leases", "label": "Leases, Operating [Abstract]" } } }, "auth_ref": [] }, "dei_LegalEntityAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "LegalEntityAxis", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Legal Entity [Axis]", "label": "Legal Entity [Axis]", "documentation": "The set of legal entities associated with a report." } } }, "auth_ref": [] }, "us-gaap_LesseeFinanceLeasesTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeFinanceLeasesTextBlock", "presentation": [ "http://www.advancedemissionssolutions.com/role/Leases" ], "lang": { "en-us": { "role": { "terseLabel": "Leases", "label": "Lessee, Finance Leases [Text Block]", "documentation": "The entire disclosure for finance leases of lessee. Includes, but is not limited to, description of lessee's finance lease and maturity analysis of finance lease liability." } } }, "auth_ref": [ "r442" ] }, "us-gaap_LesseeLeaseDescriptionLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeLeaseDescriptionLineItems", "presentation": [ "http://www.advancedemissionssolutions.com/role/LeasesNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Lessee, Lease, Description [Line Items]", "label": "Lessee, Lease, Description [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [ "r451", "r462" ] }, "us-gaap_LesseeLeaseDescriptionTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeLeaseDescriptionTable", "presentation": [ "http://www.advancedemissionssolutions.com/role/LeasesNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Lessee, Lease, Description [Table]", "label": "Lessee, Lease, Description [Table]", "documentation": "Disclosure of information about lessee's leases." } } }, "auth_ref": [ "r451", "r462" ] }, "us-gaap_LesseeOperatingLeasesTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeasesTextBlock", "presentation": [ "http://www.advancedemissionssolutions.com/role/Leases" ], "lang": { "en-us": { "role": { "terseLabel": "Leases", "label": "Lessee, Operating Leases [Text Block]", "documentation": "The entire disclosure for operating leases of lessee. Includes, but is not limited to, description of operating lease and maturity analysis of operating lease liability." } } }, "auth_ref": [ "r442" ] }, "us-gaap_Liabilities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "Liabilities", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesAndStockholdersEquity", "weight": 1.0, "order": 2.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets" ], "lang": { "en-us": { "role": { "totalLabel": "Total Liabilities", "label": "Liabilities", "documentation": "Amount of liability recognized for present obligation requiring transfer or otherwise providing economic benefit to others." } } }, "auth_ref": [ "r15", "r63", "r64", "r65", "r69", "r70", "r71", "r72", "r172", "r235", "r271", "r272", "r273", "r274", "r275", "r276", "r277", "r278", "r279", "r412", "r413", "r414", "r432", "r572", "r660", "r716", "r868", "r898", "r899" ] }, "us-gaap_LiabilitiesAndStockholdersEquity": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LiabilitiesAndStockholdersEquity", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets" ], "lang": { "en-us": { "role": { "totalLabel": "Total Liabilities and Stockholders\u2019 Equity", "label": "Liabilities and Equity", "documentation": "Amount of liabilities and equity items, including the portion of equity attributable to noncontrolling interests, if any." } } }, "auth_ref": [ "r80", "r125", "r516", "r691", "r830", "r845", "r890" ] }, "us-gaap_LiabilitiesAndStockholdersEquityAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LiabilitiesAndStockholdersEquityAbstract", "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets" ], "lang": { "en-us": { "role": { "terseLabel": "LIABILITIES AND STOCKHOLDERS\u2019 EQUITY", "label": "Liabilities and Equity [Abstract]" } } }, "auth_ref": [] }, "us-gaap_LiabilitiesAssumed1": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LiabilitiesAssumed1", "crdr": "credit", "presentation": [ "http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails", "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Liabilities assumed", "label": "Liabilities Assumed", "documentation": "The fair value of liabilities assumed in noncash investing or financing activities." } } }, "auth_ref": [ "r21", "r22", "r23" ] }, "us-gaap_LiabilitiesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LiabilitiesCurrent", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_Liabilities", "weight": 1.0, "order": 2.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets" ], "lang": { "en-us": { "role": { "totalLabel": "Total current liabilities", "label": "Liabilities, Current", "documentation": "Total obligations incurred as part of normal operations that are expected to be paid during the following twelve months or within one business cycle, if longer." } } }, "auth_ref": [ "r65", "r147", "r172", "r235", "r271", "r272", "r273", "r274", "r275", "r276", "r277", "r278", "r279", "r412", "r413", "r414", "r432", "r691", "r868", "r898", "r899" ] }, "us-gaap_LiabilitiesCurrentAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LiabilitiesCurrentAbstract", "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets" ], "lang": { "en-us": { "role": { "terseLabel": "Current liabilities:", "label": "Liabilities, Current [Abstract]" } } }, "auth_ref": [] }, "us-gaap_LiabilitiesOfDisposalGroupIncludingDiscontinuedOperation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LiabilitiesOfDisposalGroupIncludingDiscontinuedOperation", "crdr": "credit", "presentation": [ "http://www.advancedemissionssolutions.com/role/MarshallMineDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Liabilities", "label": "Disposal Group, Including Discontinued Operation, Liabilities", "documentation": "Amount classified as liabilities attributable to disposal group held for sale or disposed of." } } }, "auth_ref": [ "r3", "r61", "r62", "r102", "r144", "r145" ] }, "ades_LimitedGuarantees.Percent": { "xbrltype": "percentItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "LimitedGuarantees.Percent", "presentation": [ "http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Limited guarantees (as percent)", "label": "Limited Guarantees. Percent", "documentation": "Limited Guarantees. Percent" } } }, "auth_ref": [] }, "dei_LocalPhoneNumber": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "LocalPhoneNumber", "presentation": [ "http://www.advancedemissionssolutions.com/role/CoverPage" ], "lang": { "en-us": { "role": { "terseLabel": "Local Phone Number", "label": "Local Phone Number", "documentation": "Local phone number for entity." } } }, "auth_ref": [] }, "us-gaap_LongTermDebt": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebt", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails_1": { "parentTag": "us-gaap_LongTermDebtAndCapitalLeaseObligationsIncludingCurrentMaturities", "weight": 1.0, "order": 3.0 }, "http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails" ], "lang": { "en-us": { "role": { "totalLabel": "Long-term debt", "label": "Long-Term Debt", "documentation": "Amount, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt. Excludes lease obligation." } } }, "auth_ref": [ "r15", "r123", "r293", "r308", "r667", "r668", "r689", "r907" ] }, "us-gaap_LongTermDebtAndCapitalLeaseObligationsIncludingCurrentMaturities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtAndCapitalLeaseObligationsIncludingCurrentMaturities", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails": { "parentTag": null, "weight": null, "order": null, "root": true }, "http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails_1": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails" ], "lang": { "en-us": { "role": { "totalLabel": "Long-term debt", "label": "Long-Term Debt and Lease Obligation, Including Current Maturities", "documentation": "Amount of long-term debt and lease obligation, including portion classified as current." } } }, "auth_ref": [] }, "us-gaap_LongTermDebtCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtCurrent", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails": { "parentTag": "us-gaap_LongTermDebtAndCapitalLeaseObligationsIncludingCurrentMaturities", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails" ], "lang": { "en-us": { "role": { "negatedTerseLabel": "Less: Current maturities", "label": "Long-Term Debt, Current Maturities", "documentation": "Amount, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt classified as current. Excludes lease obligation." } } }, "auth_ref": [ "r151" ] }, "us-gaap_LongTermDebtNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtNoncurrent", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails": { "parentTag": "us-gaap_LongTermDebtAndCapitalLeaseObligationsIncludingCurrentMaturities", "weight": 1.0, "order": 2.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Total long-term debt obligations", "label": "Long-Term Debt, Excluding Current Maturities", "documentation": "Amount, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt classified as noncurrent. Excludes lease obligation." } } }, "auth_ref": [ "r152" ] }, "us-gaap_LongTermNotesPayable": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermNotesPayable", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_Liabilities", "weight": 1.0, "order": 3.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets" ], "lang": { "en-us": { "role": { "terseLabel": "Long-term debt obligations, net of current portion", "label": "Notes Payable, Noncurrent", "documentation": "Carrying value as of the balance sheet date of notes payable (with maturities initially due after one year or beyond the operating cycle if longer), excluding current portion." } } }, "auth_ref": [ "r15" ] }, "us-gaap_LongtermDebtTypeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongtermDebtTypeAxis", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Long-term Debt, Type [Axis]", "label": "Long-Term Debt, Type [Axis]", "documentation": "Information by type of long-term debt." } } }, "auth_ref": [ "r15", "r858", "r859", "r860" ] }, "us-gaap_LongtermDebtTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongtermDebtTypeDomain", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Long-term Debt, Type [Domain]", "label": "Long-Term Debt, Type [Domain]", "documentation": "Type of long-term debt arrangement, such as notes, line of credit, commercial paper, asset-based financing, project financing, letter of credit financing. These are debt arrangements that originally required repayment more than twelve months after issuance or greater than the normal operating cycle of the company, if longer." } } }, "auth_ref": [ "r15", "r34", "r858", "r859", "r860" ] }, "ades_MarshallMineMember": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "MarshallMineMember", "presentation": [ "http://www.advancedemissionssolutions.com/role/MarshallMineDetails", "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofChangeinAssetRetirementObligationDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Marshall Mine", "label": "Marshall Mine [Member]", "documentation": "Marshall Mine" } } }, "auth_ref": [] }, "srt_MaximumMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "MaximumMember", "presentation": [ "http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails", "http://www.advancedemissionssolutions.com/role/StockBasedCompensationNarrativeDetails", "http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Maximum", "label": "Maximum [Member]" } } }, "auth_ref": [ "r265", "r266", "r267", "r268", "r343", "r380", "r427", "r473", "r531", "r533", "r540", "r564", "r565", "r621", "r623", "r625", "r626", "r628", "r647", "r648", "r664", "r671", "r681", "r685", "r686", "r687", "r688", "r701", "r870", "r900", "r901", "r902", "r903", "r904", "r905" ] }, "ecd_MeasureAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "MeasureAxis", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Measure:", "label": "Measure [Axis]" } } }, "auth_ref": [ "r765" ] }, "ecd_MeasureName": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "MeasureName", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Name", "label": "Measure Name" } } }, "auth_ref": [ "r765" ] }, "us-gaap_MergersAcquisitionsAndDispositionsDisclosuresTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "MergersAcquisitionsAndDispositionsDisclosuresTextBlock", "presentation": [ "http://www.advancedemissionssolutions.com/role/ArqAcquisition" ], "lang": { "en-us": { "role": { "terseLabel": "Arq Acquisition", "label": "Mergers, Acquisitions and Dispositions Disclosures [Text Block]", "documentation": "The entire disclosure for business combinations, including leverage buyout transactions (as applicable), and divestitures. This may include a description of a business combination or divestiture (or series of individually immaterial business combinations or divestitures) completed during the period, including background, timing, and assets and liabilities recognized and reclassified or sold. This element does not include fixed asset sales and plant closings." } } }, "auth_ref": [ "r60", "r115" ] }, "ades_Mine4Member": { "xbrltype":
```

```
"domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "Mine4Member", "presentation": [
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofChangeinAssetRetirementObligationDetails" ], "lang": { "en-us": { "role": {
"terseLabel": "Mine 4 ARO", "label": "Mine 4 [Member]", "documentation": "Mine 4" } } }, "auth_ref": [] }, "ades_MineDevelopmentCost": { "xbrltype": "monetaryItemType",
"nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "MineDevelopmentCost", "crdr": "debit", "calculation": {
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails": { "parentTag": "us-
gaap_OtherAssetsNoncurrent", "weight": 1.0, "order": 2.0 } }, "presentation": [
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails" ], "lang": { "en-us": { "role": { "terseLabel":
"Mine development costs, net", "label": "Mine Development Cost", "documentation": "Mine Development Cost" } } }, "auth_ref": [] }, "ades_MineReclamationAsset": {
"xbrltype": "monetaryItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "MineReclamationAsset", "crdr": "debit", "calculation": {
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails": { "parentTag": "us-
gaap_OtherAssetsNoncurrent", "weight": 1.0, "order": 6.0 } }, "presentation": [
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails" ], "lang": { "en-us": { "role": { "terseLabel":
"Mine reclamation asset, net", "label": "Mine Reclamation Asset", "documentation": "Mine Reclamation Asset" } } }, "auth_ref": [] }, "srt_MinimumMember": { "xbrltype":
"domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "MinimumMember", "presentation": [
"http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Minimum", "label": "Minimum
[Member]" } } }, "auth_ref": [ "r265", "r266", "r267", "r268", "r343", "r380", "r427", "r473", "r531", "r533", "r540", "r564", "r565", "r621", "r623", "r625", "r626", "r628",
"r647", "r648", "r664", "r671", "r681", "r685", "r686", "r687", "r701", "r870", "r900", "r901", "r902", "r903", "r904", "r905" ] }, "us-
gaap_MinorityInterestOwnershipPercentageByParent": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"MinorityInterestOwnershipPercentageByParent", "presentation": [ "http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails",
"http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Subsidiary, ownership
percentage, parent", "label": "Subsidiary, Ownership Percentage, Parent", "documentation": "The parent entity's interest in net assets of the subsidiary, expressed as a
percentage." } } }, "auth_ref": [] }, "ecd_MnpiDiscTimedForCompValFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname":
"MnpiDiscTimedForCompValFlag", "presentation": [ "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "MNPI Disclosure Timed
for Compensation Value", "label": "MNPI Disclosure Timed for Compensation Value [Flag]" } } }, "auth_ref": [ "r784" ] }, "ecd_MtrlTermsOfTrdArrTextBlock": { "xbrltype":
"textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "MtrlTermsOfTrdArrTextBlock", "presentation": [
"http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" ], "lang": { "en-us": { "role": { "terseLabel": "Material Terms of Trading Arrangement", "label": "Material Terms of
Trading Arrangement [Text Block]" } } }, "auth_ref": [ "r792" ] }, "ecd_NamedExecutiveOfficersFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri":
"http://xbrl.sec.gov/ecd/2024", "localname": "NamedExecutiveOfficersFnTextBlock", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": {
"terseLabel": "Named Executive Officers, Footnote", "label": "Named Executive Officers, Footnote [Text Block]" } } }, "auth_ref": [ "r766" ] }, "us-
gaap_NetCashProvidedByUsedInFinancingActivities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"NetCashProvidedByUsedInFinancingActivities", "crdr": "debit", "calculation": {
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-
gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "weight": 1.0, "order": 3.0 } }, "presentation":
[ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "totalLabel": "Net cash provided by
financing activities", "label": "Net Cash Provided by (Used in) Financing Activities", "documentation": "Amount of cash inflow (outflow) from financing activities, including
discontinued operations. Financing activity cash flows include obtaining resources from owners and providing them with a return on, and a return of, their investment;
borrowing money and repaying amounts borrowed, or settling the obligation; and obtaining and paying for other resources obtained from creditors on long-term credit." } } },
"auth_ref": [ "r168" ] }, "us-gaap_NetCashProvidedByUsedInFinancingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"NetCashProvidedByUsedInFinancingActivitiesAbstract", "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows"
], "lang": { "en-us": { "role": { "terseLabel": "Cash flows from financing activities", "label": "Net Cash Provided by (Used in) Financing Activities [Abstract]" } } }, "auth_ref": []
}, "us-gaap_NetCashProvidedByUsedInInvestingActivities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"NetCashProvidedByUsedInInvestingActivities", "crdr": "debit", "calculation": {
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-
gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "weight": 1.0, "order": 2.0 } }, "presentation":
[ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "totalLabel": "Net cash used in investing
activities", "label": "Net Cash Provided by (Used in) Investing Activities", "documentation": "Amount of cash inflow (outflow) from investing activities, including discontinued
operations. Investing activity cash flows include making and collecting loans and acquiring and disposing of debt or equity instruments and property, plant, and equipment
and other productive assets." } } }, "auth_ref": [ "r168" ] }, "us-gaap_NetCashProvidedByUsedInInvestingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri":
"http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInInvestingActivitiesAbstract", "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "terseLabel": "Cash flows from investing
activities", "label": "Net Cash Provided by (Used in) Investing Activities [Abstract]" } } }, "auth_ref": [] }, "us-gaap_NetCashProvidedByUsedInOperatingActivities": {
"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInOperatingActivities", "calculation": {
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-
gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "weight": 1.0, "order": 1.0 } }, "presentation":
[ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "totalLabel": "Net cash provided by (used
in) operating activities", "label": "Net Cash Provided by (Used in) Operating Activities", "documentation": "Amount of cash inflow (outflow) from operating activities, including
discontinued operations. Operating activity cash flows include transactions, adjustments, and changes in value not defined as investing or financing activities." } } },
"auth_ref": [ "r95", "r96", "r97" ] }, "us-gaap_NetCashProvidedByUsedInOperatingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024",
"localname": "NetCashProvidedByUsedInOperatingActivitiesAbstract", "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "terseLabel": "Cash flows from operating
activities", "label": "Net Cash Provided by (Used in) Operating Activities [Abstract]" } } }, "auth_ref": [] }, "us-gaap_NetIncomeLoss": { "xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetIncomeLoss", "crdr": "credit", "calculation": {
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities",
"weight": 1.0, "order": 14.0 }, "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations": { "parentTag": null, "weight": null, "order":
null, "root": true } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows",
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementofChangesinStockholdersEquity",
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations",
"http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationScheduleofCalculationsofBasicandDilutedLossPerShareDetails",
"http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "totalLabel": "Net income (loss)", "netLabel": "Net income (loss)", "terseLabel": "Net loss", "label":
"Net Income (Loss) Attributable to Parent", "documentation": "The portion of profit or loss for the period, net of income taxes, which is attributable to the parent." } } },
"auth_ref": [ "r89", "r97", "r128", "r145", "r159", "r160", "r163", "r172", "r182", "r184", "r185", "r186", "r187", "r188", "r191", "r192", "r202", "r235", "r271", "r272", "r273",
"r274", "r275", "r276", "r277", "r278", "r279", "r401", "r409", "r424", "r432", "r520", "r594", "r613", "r614", "r714", "r868" ] }, "us-
gaap_NetIncomeLossAvailableToCommonStockholdersBasic": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"NetIncomeLossAvailableToCommonStockholdersBasic", "crdr": "credit", "presentation": [
"http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationScheduleofCalculationsofBasicandDilutedLossPerShareDetails" ], "lang": { "en-us": {
"role": { "terseLabel": "Income (loss) attributable to common stockholders, basic", "label": "Net Income (Loss) Available to Common Stockholders, Basic", "documentation":
"Amount, after deduction of tax, noncontrolling interests, dividends on preferred stock and participating securities, of income (loss) available to common shareholders." } } },
"auth_ref": [ "r165", "r184", "r185", "r186", "r187", "r193", "r194", "r203", "r206", "r409" ] }, "us-gaap_NetIncomeLossAvailableToCommonStockholdersDiluted": { "xbrltype":
"monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetIncomeLossAvailableToCommonStockholdersDiluted", "crdr": "credit", "presentation": [
"http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationScheduleofCalculationsofBasicandDilutedLossPerShareDetails" ], "lang": { "en-us": {
"role": { "terseLabel": "Income (loss) attributable to common stockholders, diluted", "label": "Net Income (Loss) Available to Common Stockholders, Diluted",
"documentation": "Amount, after deduction of tax, noncontrolling interests, dividends on preferred stock and participating securities, and addition from assumption of
issuance of common shares for dilutive potential common shares; of income (loss) available to common shareholders." } } }, "auth_ref": [ "r165", "r195", "r198", "r199",
"r200", "r201", "r203", "r206" ] }, "us-gaap_NewAccountingPronouncementsPolicyPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024",
"localname": "NewAccountingPronouncementsPolicyPolicyTextBlock", "presentation": [
"http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationPolicies" ], "lang": { "en-us": { "role": { "terseLabel": "New Accounting Standards",
"label": "New Accounting Pronouncements, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy pertaining to new accounting pronouncements that
may impact the entity's financial reporting. Includes, but is not limited to, quantification of the expected or actual impact." } } }, "auth_ref": [] },
"ecd_NonGaapMeasureDescriptionTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname":
"NonGaapMeasureDescriptionTextBlock", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Non-GAAP Measure
Description", "label": "Non-GAAP Measure Description [Text Block]" } } }, "auth_ref": [ "r765" ] }, "ecd_NonNeosMember": { "xbrltype": "domainItemType", "nsuri":
"http://xbrl.sec.gov/ecd/2024", "localname": "NonNeosMember", "presentation": [ "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure" ], "lang": { "en-us": { "role": { "terseLabel":
"Non-NEOs", "label": "Non-NEOs [Member]" } } }, "auth_ref": [ "r729", "r739", "r749", "r773", "r781" ] }, "ecd_NonPeoNeoAvgCompActuallyPaidAmt": { "xbrltype":
"monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "NonPeoNeoAvgCompActuallyPaidAmt", "presentation": [
"http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Non-PEO NEO Average Compensation Actually Paid Amount", "label": "Non-PEO NEO
Average Compensation Actually Paid Amount" } } }, "auth_ref": [ "r756" ] }, "ecd_NonPeoNeoAvgTotalCompAmt": { "xbrltype": "monetaryItemType", "nsuri":
"http://xbrl.sec.gov/ecd/2024", "localname": "NonPeoNeoAvgTotalCompAmt", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": {
"terseLabel": "Non-PEO NEO Average Total Compensation Amount", "label": "Non-PEO NEO Average Total Compensation Amount" } } }, "auth_ref": [ "r755" ] },
"ecd_NonPeoNeoMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "NonPeoNeoMember", "presentation": [
"http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Non-PEO NEO", "label": "Non-PEO NEO [Member]" } } }, "auth_ref": [ "r773" ] },
"ecd_NonRule10b51ArrAdoptedFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "NonRule10b51ArrAdoptedFlag", "presentation": [
"http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" ], "lang": { "en-us": { "role": { "terseLabel": "Non-Rule 10b5-1 Arrangement Adopted", "label": "Non-Rule 10b5-1
Arrangement Adopted [Flag]" } } }, "auth_ref": [ "r792" ] }, "ecd_NonRule10b51ArrTrmntdFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024",
"localname": "NonRule10b51ArrTrmntdFlag", "presentation": [ "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" ], "lang": { "en-us": { "role": { "terseLabel": "Non-
Rule 10b5-1 Arrangement Terminated", "label": "Non-Rule 10b5-1 Arrangement Terminated [Flag]" } } }, "auth_ref": [ "r792" ] }, "us-gaap_NonoperatingIncomeExpense": {
"xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NonoperatingIncomeExpense", "crdr": "credit", "calculation": {
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations": { "parentTag": "us-
gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest", "weight": 1.0, "order": 2.0 } }, "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations" ], "lang": { "en-us": { "role": { "totalLabel": "Total other (expense)
income", "label": "Nonoperating Income (Expense)", "documentation": "The aggregate amount of income or expense from ancillary business-related activities (that is to say,
excluding major activities considered part of the normal operations of the business)." } } }, "auth_ref": [ "r91" ] }, "us-gaap_NotesPayableCurrent": { "xbrltype":
"monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NotesPayableCurrent", "crdr": "credit", "calculation": {
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 3.0 } },
"presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets" ], "lang": { "en-us": { "role": { "terseLabel": "Current portion of
```

debt obligations", "label": "Notes Payable, Current", "documentation": "Sum of the carrying values as of the balance sheet date of the portions of long-term notes payable due within one year or the operating cycle if longer." } } }, "auth_ref": ["r63", "r64"] }, "us-gaap_OperatingExpenses": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingExpenses", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations": { "parentTag": "us-gaap_OperatingIncomeLoss", "weight": -1.0, "order": 1.0 } }, "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations"], "lang": { "en-us": { "role": { "totalLabel": "Total operating expenses", "label": "Operating Expenses", "documentation": "Generally recurring costs associated with normal operations except for the portion of these expenses which can be clearly related to production and included in cost of sales or services. Includes selling, general and administrative expense." } } }, "auth_ref": [] }, "us-gaap_OperatingIncomeLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingIncomeLoss", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations": { "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations"], "lang": { "en-us": { "role": { "totalLabel": "Operating income (loss)", "label": "Operating Income (Loss)", "documentation": "The net result for the period of deducting operating expenses from operating revenues." } } }, "auth_ref": ["r131", "r661", "r837", "r838", "r839", "r840", "r841"] }, "us-gaap_OperatingLeaseCost": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseCost", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/LeasesScheduleofLeaseLiabilitiesDetails": { "parentTag": "us-gaap_LeaseCost", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.advancedemissionssolutions.com/role/LeasesScheduleofLeaseLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Operating lease cost", "label": "Operating Lease, Cost", "documentation": "Amount of single lease cost, calculated by allocation of remaining cost of lease over remaining lease term. Includes, but is not limited to, single lease cost, after impairment of right-of-use asset, calculated by amortization of remaining right-of-use asset and accretion of lease liability." } } }, "auth_ref": ["r454", "r690"] }, "us-gaap_OperatingLeaseExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseExpense", "crdr": "debit", "presentation": ["http://www.advancedemissionssolutions.com/role/LeasesNarrativeDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Operating lease, expense", "label": "Operating Lease, Expense", "documentation": "Amount of operating lease expense. Excludes sublease income." } } }, "auth_ref": ["r895"] }, "us-gaap_OperatingLeaseLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseLiability", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/LeasesScheduleofOperatingandFinanceLeaseRightOfUseROUAssetsandLiabilitiesDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.advancedemissionssolutions.com/role/LeasesScheduleofOperatingandFinanceLeaseRightOfUseROUAssetsandLiabilitiesDetails"], "lang": { "en-us": { "role": { "totalLabel": "Total operating lease obligation", "label": "Operating Lease, Liability", "documentation": "Present value of lessee's discounted obligation for lease payments from operating lease." } } }, "auth_ref": ["r445"] }, "us-gaap_OperatingLeaseLiabilityCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseLiabilityCurrent", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/LeasesScheduleofOperatingandFinanceLeaseRightOfUseROUAssetsandLiabilitiesDetails": { "parentTag": "us-gaap_OperatingLeaseLiability", "weight": 1.0, "order": 2.0 }, "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails": { "parentTag": "us-gaap_OtherLiabilitiesCurrent", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.advancedemissionssolutions.com/role/LeasesScheduleofOperatingandFinanceLeaseRightOfUseROUAssetsandLiabilitiesDetails", "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Operating lease obligations, current", "terseLabel": "Current portion of operating lease obligations", "label": "Operating Lease, Liability, Current", "documentation": "Present value of lessee's discounted obligation for lease payments from operating lease, classified as current." } } }, "auth_ref": ["r445"] }, "us-gaap_OperatingLeaseLiabilityCurrentStatementOfFinancialPositionExtensibleList": { "xbrltype": "enumerationSetItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseLiabilityCurrentStatementOfFinancialPositionExtensibleList", "presentation": ["http://www.advancedemissionssolutions.com/role/LeasesNarrativeDetails", "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Operating lease, liability, current, statement of financial position [Extensible List]", "label": "Operating Lease, Liability, Current, Statement of Financial Position [Extensible Enumeration]", "documentation": "Indicates line item in statement of financial position that includes current operating lease liability." } } }, "auth_ref": ["r446"] }, "us-gaap_OperatingLeaseLiabilityNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseLiabilityNoncurrent", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/LeasesScheduleofOperatingandFinanceLeaseRightOfUseROUAssetsandLiabilitiesDetails": { "parentTag": "us-gaap_OperatingLeaseLiability", "weight": 1.0, "order": 1.0 }, "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails": { "parentTag": "us-gaap_OtherLiabilitiesNoncurrent", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.advancedemissionssolutions.com/role/LeasesScheduleofOperatingandFinanceLeaseRightOfUseROUAssetsandLiabilitiesDetails", "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Long-term operating lease obligations", "verboseLabel": "Operating lease obligations, long-term", "label": "Operating Lease, Liability, Noncurrent", "documentation": "Present value of lessee's discounted obligation for lease payments from operating lease, classified as noncurrent." } } }, "auth_ref": ["r445"] }, "us-gaap_OperatingLeaseLiabilityNoncurrentStatementOfFinancialPositionExtensibleList": { "xbrltype": "enumerationSetItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseLiabilityNoncurrentStatementOfFinancialPositionExtensibleList", "presentation": ["http://www.advancedemissionssolutions.com/role/LeasesNarrativeDetails", "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Operating lease, liability, noncurrent, statement of financial position [Extensible List]", "label": "Operating Lease, Liability, Noncurrent, Statement of Financial Position [Extensible Enumeration]", "documentation": "Indicates line item in statement of financial position that includes noncurrent operating lease liability." } } }, "auth_ref": ["r446"] }, "us-gaap_OperatingLeasePayments": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeasePayments", "crdr": "credit", "presentation": ["http://www.advancedemissionssolutions.com/role/LeasesScheduleofLeaseLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Operating cash flows for operating leases", "label": "Operating Lease, Payments", "documentation": "Amount of cash outflow from operating lease, excluding payments to bring another asset to condition and location necessary for its intended use." } } }, "auth_ref": ["r450", "r457"] }, "us-gaap_OperatingLeaseRightOfUseAsset": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseRightOfUseAsset", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails": { "parentTag": "us-gaap_OtherAssetsNoncurrent", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://www.advancedemissionssolutions.com/role/LeasesScheduleofOperatingandFinanceLeaseRightOfUseROUAssetsandLiabilitiesDetails", "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails"], "lang": { "en-us": { "role": { "netLabel": "Operating lease right-of-use assets, net of accumulated amortization", "verboseLabel": "Right of use assets, operating leases, net", "label": "Operating Lease, Right-of-Use Asset", "documentation": "Amount of lessee's right to use underlying asset under operating lease." } } }, "auth_ref": ["r444"] }, "ades_OperatingLeaseRightOfUseAssetAccumulatedAmortization": { "xbrltype": "monetaryItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "OperatingLeaseRightOfUseAssetAccumulatedAmortization", "crdr": "credit", "presentation": ["http://www.advancedemissionssolutions.com/role/LeasesScheduleofOperatingandFinanceLeaseRightOfUseROUAssetsandLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Operating lease, accumulated amortization", "label": "Operating Lease, Right-of-Use Asset, Accumulated Amortization", "documentation": "Operating Lease, Right-of-Use Asset, Accumulated Amortization" } } }, "auth_ref": [] }, "us-gaap_OperatingLeaseRightOfUseAssetAmortizationExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseRightOfUseAssetAmortizationExpense", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 4.0 } }, "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows"], "lang": { "en-us": { "role": { "terseLabel": "Operating lease expense", "label": "Operating Lease, Right-of-Use Asset, Periodic Reduction", "documentation": "Amount of periodic reduction over lease term of carrying amount of right-of-use asset from operating lease." } } }, "auth_ref": ["r826"] }, "us-gaap_OperatingLeaseRightOfUseAssetStatementOfFinancialPositionExtensibleList": { "xbrltype": "enumerationSetItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseRightOfUseAssetStatementOfFinancialPositionExtensibleList", "presentation": ["http://www.advancedemissionssolutions.com/role/LeasesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Operating lease, right-of-use asset, statement of financial position [Extensible Enumeration]", "label": "Operating Lease, Right-of-Use Asset, Statement of Financial Position [Extensible Enumeration]", "documentation": "Indicates line item in statement of financial position that includes operating lease right-of-use asset." } } }, "auth_ref": ["r446"] }, "us-gaap_OperatingLeaseWeightedAverageDiscountRatePercent": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseWeightedAverageDiscountRatePercent", "presentation": ["http://www.advancedemissionssolutions.com/role/LeasesScheduleofLeaseLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Weighted-average discount rate - operating leases", "label": "Operating Lease, Weighted Average Discount Rate, Percent", "documentation": "Weighted average discount rate for operating lease calculated at point in time." } } }, "auth_ref": ["r460", "r690"] }, "us-gaap_OperatingLeaseWeightedAverageRemainingLeaseTerm1": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseWeightedAverageRemainingLeaseTerm1", "presentation": ["http://www.advancedemissionssolutions.com/role/LeasesScheduleofLeaseLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Weighted-average remaining lease term - operating leases", "label": "Operating Lease, Weighted Average Remaining Lease Term", "documentation": "Weighted average remaining lease term for operating lease, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days." } } }, "auth_ref": ["r459", "r690"] }, "us-gaap_OrganizationConsolidationAndPresentationOfFinancialStatementsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OrganizationConsolidationAndPresentationOfFinancialStatementsAbstract", "lang": { "en-us": { "role": { "label": "Organization, Consolidation and Presentation of Financial Statements [Abstract]" } } }, "auth_ref": [] }, "us-gaap_OrganizationConsolidationBasisOfPresentationBusinessDescriptionAndAccountingPoliciesTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OrganizationConsolidationBasisOfPresentationBusinessDescriptionAndAccountingPoliciesTextBlock", "presentation": ["http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentation"], "lang": { "en-us": { "role": { "terseLabel": "Organization and Basis of Presentation", "label": "Organization, Consolidation, Basis of Presentation, Business Description and Accounting Policies [Text Block]", "documentation": "The entire disclosure for the general note to the financial statements for the reporting entity which may include, descriptions of the basis of presentation, business description, significant accounting policies, consolidations, reclassifications, new pronouncements not yet adopted and changes in accounting principles." } } }, "auth_ref": ["r98", "r99", "r100", "r120"] }, "ades_OriginalAmountMember": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "OriginalAmountMember", "presentation": ["http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails"], "lang": { "en-us": { "role": { "terseLabel": "Original Amount", "label": "Original Amount [Member]", "documentation": "Original Amount" } } }, "auth_ref": [] }, "ades_OtherAssetsCurrentOther": { "xbrltype": "monetaryItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "OtherAssetsCurrentOther", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails": { "parentTag": "us-gaap_PrepaidExpenseAndOtherAssetsCurrent", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Other", "label": "Other Assets, Current, Other", "documentation": "Other Assets, Current, Other" } } }, "auth_ref": [] }, "us-gaap_OtherAssetsNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherAssetsNoncurrent", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_Assets", "weight": 1.0, "order": 2.0 }, "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets", "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Other long-term assets, net", "totalLabel": "Total other long-term assets, net", "label": "Other Assets, Noncurrent", "documentation": "Amount of noncurrent assets classified

```
as other." } } }, "auth_ref": [ "r149" ] }, "us-gaap_OtherAssetsNoncurrentAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherAssetsNoncurrentAbstract", "presentation": [
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Other long-term assets, net:", "label": "Other Assets, Noncurrent [Abstract]" } } }, "auth_ref": [] }, "ades_OtherAssetsNoncurrentOther": { "xbrltype": "monetaryItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "OtherAssetsNoncurrentOther", "crdr": "debit", "calculation": {
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails": { "parentTag": "us-gaap_OtherAssetsNoncurrent", "weight": 1.0, "order": 3.0 } }, "presentation": [
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Other", "label": "Other Assets, Noncurrent, Other", "documentation": "Other Assets, Noncurrent, Other" } } }, "auth_ref": [] }, "us-gaap_OtherCommitmentsLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherCommitmentsLineItems", "presentation": [
"http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Other Commitments [Line Items]", "label": "Other Commitments [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [] }, "us-gaap_OtherCommitmentsTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherCommitmentsTable", "presentation": [
"http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Other Commitments [Table]", "label": "Other Commitments [Table]", "documentation": "Disclosure of information about obligations resulting from other commitments." } } }, "auth_ref": [] }, "us-gaap_OtherIncomeAndExpensesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherIncomeAndExpensesAbstract", "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations" ], "lang": { "en-us": { "role": { "terseLabel": "Other (expense) income:", "label": "Other Income and Expenses [Abstract]" } } }, "auth_ref": [] }, "us-gaap_OtherInventoriesSpareParts": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherInventoriesSpareParts", "crdr": "debit", "calculation": {
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails": { "parentTag": "us-gaap_OtherAssetsNoncurrent", "weight": 1.0, "order": 4.0 } }, "presentation": [
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Spare parts, net", "label": "Other Inventories, Spare Parts, Gross", "documentation": "Gross amount of components of assembled products that can be sold directly or indirectly through sales of assembled products." } } }, "auth_ref": [ "r819" ] }, "us-gaap_OtherLiabilitiesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherLiabilitiesCurrent", "crdr": "credit", "calculation": {
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 1.0 },
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets",
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Other current liabilities", "totalLabel": "Total other current liabilities", "label": "Other Liabilities, Current", "documentation": "Amount of liabilities classified as other, due within one year or the normal operating cycle, if longer." } } }, "auth_ref": [ "r64", "r691" ] }, "us-gaap_OtherLiabilitiesCurrentAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherLiabilitiesCurrentAbstract", "presentation": [
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Other current liabilities:", "label": "Other Liabilities, Current [Abstract]" } } }, "auth_ref": [] }, "ades_OtherLiabilitiesCurrentOther": { "xbrltype": "monetaryItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "OtherLiabilitiesCurrentOther", "crdr": "credit", "calculation": {
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails": { "parentTag": "us-gaap_OtherLiabilitiesCurrent", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Other", "label": "Other Liabilities, Current, Other", "documentation": "Other Liabilities, Current, Other" } } }, "auth_ref": [] }, "us-gaap_OtherLiabilitiesNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherLiabilitiesNoncurrent", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_Liabilities", "weight": 1.0, "order": 1.0 },
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets",
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Other long-term liabilities", "totalLabel": "Total other long-term liabilities", "label": "Other Liabilities, Noncurrent", "documentation": "Amount of liabilities classified as other, due after one year or the normal operating cycle, if longer." } } }, "auth_ref": [ "r70" ] }, "us-gaap_OtherLiabilitiesNoncurrentAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherLiabilitiesNoncurrentAbstract", "presentation": [
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Other long-term liabilities:", "label": "Other Liabilities, Noncurrent [Abstract]" } } }, "auth_ref": [] }, "us-gaap_OtherLiabilitiesTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherLiabilitiesTableTextBlock", "presentation": [
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationTables" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Other Liabilities", "label": "Other Liabilities [Table Text Block]", "documentation": "Tabular disclosure of other liabilities." } } }, "auth_ref": [] }, "us-gaap_OtherLongTermDebt": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherLongTermDebt", "crdr": "credit", "calculation": {
"http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails": { "parentTag": "us-gaap_LongTermDebt", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Other", "label": "Other Long-Term Debt", "documentation": "Amount of long-term debt classified as other." } } }, "auth_ref": [ "r15", "r123", "r907" ] }, "ades_OtherLongTermLiabilities": { "xbrltype": "monetaryItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "OtherLongTermLiabilities", "crdr": "credit", "calculation": {
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails": { "parentTag": "us-gaap_OtherLiabilitiesNoncurrent", "weight": 1.0, "order": 2.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Other", "label": "Other Long-term Liabilities", "documentation": "Other Long-term Liabilities" } } }, "auth_ref": [] }, "us-gaap_OtherNonoperatingIncomeExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherNonoperatingIncomeExpense", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations": { "parentTag": "us-gaap_NonoperatingIncomeExpense", "weight": 1.0, "order": 3.0 } }, "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations" ], "lang": { "en-us": { "role": { "terseLabel": "Other", "label": "Other Nonoperating Income (Expense)", "documentation": "Amount of income (expense) related to nonoperating activities, classified as other." } } }, "auth_ref": [ "r92" ] }, "us-gaap_OtherOperatingActivitiesCashFlowStatement": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherOperatingActivitiesCashFlowStatement", "crdr": "debit", "calculation": {
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 10.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "verboseLabel": "Other non-cash items, net", "label": "Other Operating Activities, Cash Flow Statement", "documentation": "Other cash or noncash adjustments to reconcile net income to cash provided by (used in) operating activities that are not separately disclosed in the statement of cash flows (for example, cash received or cash paid during the current period for miscellaneous operating activities, net change during the reporting period in other assets or other liabilities)." } } }, "auth_ref": [] }, "ecd_OtherPerfMeasureAmt": { "xbrltype": "decimalItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "OtherPerfMeasureAmt", "presentation": [
"http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Other Performance Measure, Amount", "label": "Other Performance Measure, Amount" } } }, "auth_ref": [ "r765" ] }, "ecd_OutstandingAggtErrCompAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "OutstandingAggtErrCompAmt", "presentation": [ "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Outstanding Aggregate Erroneous Compensation Amount", "label": "Outstanding Aggregate Erroneous Compensation Amount" } } }, "auth_ref": [ "r727", "r737", "r747", "r779" ] }, "ecd_OutstandingRecoveryCompAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "OutstandingRecoveryCompAmt", "presentation": [ "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Compensation Amount", "label": "Outstanding Recovery Compensation Amount" } } }, "auth_ref": [ "r730", "r740", "r750", "r782" ] }, "ecd_OutstandingRecoveryIndName": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "OutstandingRecoveryIndName", "presentation": [ "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Name", "label": "Outstanding Recovery, Individual Name" } } }, "auth_ref": [ "r730", "r740", "r750", "r782" ] }, "us-gaap_OverAllotmentOptionMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OverAllotmentOptionMember", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Over-Allotment Option", "label": "Over-Allotment Option [Member]", "documentation": "Right given to the underwriter to sell additional shares over the initial allotment." } } }, "auth_ref": [] }, "srt_OwnershipAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "OwnershipAxis", "presentation": [
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails",
"http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Ownership [Axis]", "label": "Ownership [Axis]" } } }, "auth_ref": [] }, "srt_OwnershipDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "OwnershipDomain", "presentation": [ "http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails",
"http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Ownership [Domain]", "label": "Ownership [Domain]" } } }, "auth_ref": [] }, "ecd_PayVsPerformanceDisclosureLineItems": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "PayVsPerformanceDisclosureLineItems", "lang": { "en-us": { "role": { "label": "Pay vs Performance Disclosure [Line Items]" } } }, "auth_ref": [ "r754" ] }, "us-gaap_PaymentsRelatedToTaxWithholdingForShareBasedCompensation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PaymentsRelatedToTaxWithholdingForShareBasedCompensation", "crdr": "credit", "calculation": {
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": -1.0, "order": 4.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "negatedTerseLabel": "Repurchase of common stock to satisfy tax withholdings", "label": "Payment, Tax Withholding, Share-Based Payment Arrangement", "documentation": "Amount of cash outflow to satisfy grantee's tax withholding obligation for award under share-based payment arrangement." } } }, "auth_ref": [ "r166" ] }, "us-gaap_PaymentsToAcquireProductiveAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PaymentsToAcquireProductiveAssets", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": -1.0, "order": 4.0 } }, "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "negatedLabel": "Acquisition of property, plant, equipment, and intangible assets, net", "label": "Payments to Acquire Productive Assets", "documentation": "The cash outflow for purchases of and capital improvements on property, plant and equipment (capital expenditures), software, and other intangible assets." } } }, "auth_ref": [ "r133", "r880", "r881", "r882" ] }, "ecd_PeerGroupIssuersFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "PeerGroupIssuersFnTextBlock", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Peer Group Issuers, Footnote", "label": "Peer Group Issuers, Footnote [Text Block]" } } }, "auth_ref": [ "r764" ] }, "ecd_PeerGroupTotalShareholderRtnAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "PeerGroupTotalShareholderRtnAmt", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Peer Group Total Shareholder Return Amount", "label": "Peer Group Total Shareholder Return Amount" } } }, "auth_ref": [ "r764" ] }, "ades_PenaltyYear2024Member": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "PenaltyYear2024Member", "presentation": [
"http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Penalty Year 2024", "label": "Penalty Year 2024 [Member]", "documentation": "Penalty Year 2024" } } }, "auth_ref": [] }, "ades_PenaltyYear2025Member": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "PenaltyYear2025Member", "presentation": [
```

```
"http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Penalty Year 2025", "label": "Penalty Year 2025 [Member]", "documentation": "Penalty Year 2025" } } }, "auth_ref": [] }, "ades_PenaltyYear2026Member": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "PenaltyYear2026Member", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Penalty Year 2026", "label": "Penalty Year 2026 [Member]", "documentation": "Penalty Year 2026" } } }, "auth_ref": [] }, "ecd_PeoActuallyPaidCompAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "PeoActuallyPaidCompAmt", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "PEO Actually Paid Compensation Amount", "label": "PEO Actually Paid Compensation Amount" } } }, "auth_ref": [ "r756" ] }, "ecd_PeoMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "PeoMember", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "PEO", "label": "PEO [Member]" } } }, "auth_ref": [ "r773" ] }, "ecd_PeoName": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "PeoName", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "PEO Name", "label": "PEO Name" } } }, "auth_ref": [ "r766" ] }, "ecd_PeoTotalCompAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "PeoTotalCompAmt", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "PEO Total Compensation Amount", "label": "PEO Total Compensation Amount" } } }, "auth_ref": [ "r755" ] }, "us-gaap_PerformanceSharesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PerformanceSharesMember", "presentation": [ "http://www.advancedemissionssolutions.com/role/StockBasedCompensationNarrativeDetails", "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofAllocationofCompensationExpenseDetails", "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofPerformanceSharesUnitsDetails", "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofUnrecognizedCompensationCostDetails", "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure" ], "lang": { "en-us": { "role": { "verboseLabel": "PSU expense", "terseLabel": "Performance Share Units", "label": "Performance Shares [Member]", "documentation": "Share-based payment arrangement awarded for meeting performance target." } } }, "auth_ref": [] }, "ecd_PnsnAdjsPrrSvcCstMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "PnsnAdjsPrrSvcCstMember", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Pension Adjustments Prior Service Cost", "label": "Pension Adjustments Prior Service Cost [Member]" } } }, "auth_ref": [ "r757" ] }, "ecd_PnsnAdjsSvcCstMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "PnsnAdjsSvcCstMember", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Pension Adjustments Service Cost", "label": "Pension Adjustments Service Cost [Member]" } } }, "auth_ref": [ "r801" ] }, "ecd_PnsnBnftsAdjFnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "PnsnBnftsAdjFnTextBlock", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Pension Benefits Adjustments, Footnote", "label": "Pension Benefits Adjustments, Footnote [Text Block]" } } }, "auth_ref": [ "r756" ] }, "us-gaap_PreferredStockDividendsShares": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PreferredStockDividendsShares", "presentation": [ "http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Preferred stock dividends declared on redeemable preferred stock (in shares)", "label": "Preferred Stock Dividends, Shares", "documentation": "Number of shares of preferred stock issued as dividends during the period. Excludes stock splits." } } }, "auth_ref": [ "r10" ] }, "us-gaap_PreferredStockMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PreferredStockMember", "presentation": [ "http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Preferred Stock", "label": "Preferred Stock [Member]", "documentation": "Preferred shares may provide a preferential dividend to the dividend on common stock and may take precedence over common stock in the event of a liquidation. Preferred shares typically represent an ownership interest in the company." } } }, "auth_ref": [ "r706", "r707", "r710", "r711", "r712", "r713", "r938", "r940" ] }, "us-gaap_PreferredStockParOrStatedValuePerShare": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PreferredStockParOrStatedValuePerShare", "presentation": [ "http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails", "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheetsParenthetical" ], "lang": { "en-us": { "role": { "terseLabel": "Preferred stock par value (in dollars per share)", "label": "Preferred Stock, Par or Stated Value Per Share", "documentation": "Face amount or stated value per share of preferred stock nonredeemable or redeemable solely at the option of the issuer." } } }, "auth_ref": [ "r73", "r310" ] }, "us-gaap_PreferredStockSharesAuthorized": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PreferredStockSharesAuthorized", "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheetsParenthetical" ], "lang": { "en-us": { "role": { "terseLabel": "Preferred stock, shares authorized (in shares)", "label": "Preferred Stock, Shares Authorized", "documentation": "The maximum number of nonredeemable preferred shares (or preferred stock redeemable solely at the option of the issuer) permitted to be issued by an entity's charter and bylaws." } } }, "auth_ref": [ "r73", "r574" ] }, "ades_PreferredStockSharesDesignated": { "xbrltype": "sharesItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "PreferredStockSharesDesignated", "presentation": [ "http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Preferred stock, shares designated (in shares)", "label": "Preferred Stock, Shares Designated", "documentation": "Preferred Stock, Shares Designated" } } }, "auth_ref": [] }, "us-gaap_PreferredStockSharesIssued": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PreferredStockSharesIssued", "presentation": [ "http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails", "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheetsParenthetical" ], "lang": { "en-us": { "role": { "terseLabel": "Preferred stock, shares issued (in shares)", "label": "Preferred Stock, Shares Issued", "documentation": "Number of shares issued for nonredeemable preferred shares and preferred shares redeemable solely at option of issuer. Includes, but is not limited to, preferred shares issued, repurchased, and held as treasury shares. Excludes preferred shares classified as debt." } } }, "auth_ref": [ "r73", "r310" ] }, "us-gaap_PreferredStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PreferredStockSharesOutstanding", "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheetsParenthetical" ], "lang": { "en-us": { "role": { "terseLabel": "Preferred stock, shares outstanding (in shares)", "label": "Preferred Stock, Shares Outstanding", "documentation": "Aggregate share number for all nonredeemable preferred stock (or preferred stock redeemable solely at the option of the issuer) held by stockholders. Does not include preferred shares that have been repurchased." } } }, "auth_ref": [ "r73", "r574", "r592", "r940", "r941" ] }, "us-gaap_PreferredStockValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PreferredStockValue", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 4.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets" ], "lang": { "en-us": { "role": { "terseLabel": "Preferred stock: par value of $0.001 per share, 50,000,000 shares authorized, none issued or outstanding", "label": "Preferred Stock, Value, Issued", "documentation": "Aggregate par or stated value of issued nonredeemable preferred stock (or preferred stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable preferred shares, par value and other disclosure concepts are in another section within stockholders' equity." } } }, "auth_ref": [ "r73", "r513", "r691" ] }, "us-gaap_PrepaidExpenseAndOtherAssetsCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PrepaidExpenseAndOtherAssetsCurrent", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 3.0 }, "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets", "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Prepaid expenses and other current assets", "totalLabel": "Prepaid expenses and other current assets", "label": "Prepaid Expense and Other Assets, Current", "documentation": "Amount of asset related to consideration paid in advance for costs that provide economic benefits in future periods, and amount of other assets that are expected to be realized or consumed within one year or the normal operating cycle, if longer." } } }, "auth_ref": [ "r821" ] }, "us-gaap_PrepaidExpenseAndOtherAssetsCurrentAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PrepaidExpenseAndOtherAssetsCurrentAbstract", "presentation": [ "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Prepaid expenses and other current assets:", "label": "Prepaid Expense and Other Assets, Current [Abstract]" } } }, "auth_ref": [] }, "us-gaap_PrepaidExpenseCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PrepaidExpenseCurrent", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails": { "parentTag": "us-gaap_PrepaidExpenseAndOtherAssetsCurrent", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Prepaid expenses", "label": "Prepaid Expense, Current", "documentation": "Amount of asset related to consideration paid in advance for costs that provide economic benefits within a future period of one year or the normal operating cycle, if longer." } } }, "auth_ref": [ "r157", "r239", "r240", "r654" ] }, "us-gaap_PrepaidTaxes": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PrepaidTaxes", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails": { "parentTag": "us-gaap_PrepaidExpenseAndOtherAssetsCurrent", "weight": 1.0, "order": 3.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Prepaid income taxes and income tax refunds", "label": "Prepaid Taxes", "documentation": "Amount of asset related to consideration paid in advance for income and other taxes that provide economic benefits within a future period of one year or the normal operating cycle, if longer." } } }, "auth_ref": [ "r655", "r665", "r846" ] }, "us-gaap_PrimeRateMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PrimeRateMember", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Prime Rate", "label": "Prime Rate [Member]", "documentation": "Interest rate charged by financial institutions to their most creditworthy borrowers." } } }, "auth_ref": [] }, "us-gaap_PriorPeriodReclassificationAdjustmentDescription": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PriorPeriodReclassificationAdjustmentDescription", "presentation": [ "http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationPolicies" ], "lang": { "en-us": { "role": { "terseLabel": "Reclassifications", "label": "Reclassification, Comparability Adjustment [Policy Text Block]", "documentation": "Disclosure of accounting policy for reclassification affecting comparability of financial statement. Excludes amendment to accounting standards, other change in accounting principle, and correction of error." } } }, "auth_ref": [ "r813" ] }, "us-gaap_ProceedsFromEquityMethodInvestmentDividendsOrDistributionsReturnOfCapital": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromEquityMethodInvestmentDividendsOrDistributionsReturnOfCapital", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "verboseLabel": "Distributions from equity method investees in excess of cumulative earnings", "label": "Proceeds from Equity Method Investment, Distribution, Return of Capital", "documentation": "Amount of distribution received from equity method investee for return of investment, classified as investing activities. Excludes distribution for return on investment, classified as operating activities." } } }, "auth_ref": [ "r167", "r823" ] }, "us-gaap_ProceedsFromIssuanceOfCommonStock": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromIssuanceOfCommonStock", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows", "http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Net proceeds from common stock issued", "label": "Proceeds from Issuance of Common Stock", "documentation": "The cash inflow from the additional capital contribution to the entity." } } }, "auth_ref": [ "r4" ] }, "us-gaap_ProceedsFromIssuanceOfDebt": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromIssuanceOfDebt", "crdr": "debit", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Proceeds from issuance of debt", "label": "Proceeds from Issuance of Debt", "documentation": "The cash inflow during the period from additional borrowings in aggregate debt. Includes proceeds from short-term and long-term debt." } } }, "auth_ref": [ "r824" ] }, "us-gaap_ProceedsFromIssuanceOfPrivatePlacement": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromIssuanceOfPrivatePlacement", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": 1.0, "order": 3.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": {
```

```
"role": { "terseLabel": "Net proceeds from common stock issued in private placement transactions", "label": "Proceeds from Issuance of Private Placement", "documentation": "The cash inflow associated with the amount received from entity's raising of capital via private rather than public placement." } } }, "auth_ref": [ "r4" ] }, "us-gaap_ProceedsFromLinesOfCredit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromLinesOfCredit", "crdr": "debit", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Net cash proceeds", "label": "Proceeds from Lines of Credit", "documentation": "Amount of cash inflow from contractual arrangement with the lender, including but not limited to, letter of credit, standby letter of credit and revolving credit arrangements." } } }, "auth_ref": [ "r19", "r829" ] }, "us-gaap_ProceedsFromOtherDebt": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromOtherDebt", "crdr": "debit", "calculation": {
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": 1.0, "order": 2.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "terseLabel": "Net proceeds from CFG Loan, related party, net of discount and issuance costs", "label": "Proceeds from Other Debt", "documentation": "Amount of cash inflow from debt classified as other." } } }, "auth_ref": [ "r19" ] }, "us-gaap_ProceedsFromSaleOfPropertyPlantAndEquipment": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromSaleOfPropertyPlantAndEquipment", "crdr": "debit", "calculation": {
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": 1.0, "order": 2.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": {
"role": { "terseLabel": "Proceeds from sale of property and equipment", "label": "Proceeds from Sale of Property, Plant, and Equipment", "documentation": "The cash inflow from the sale of long-lived, physical assets that are used in the normal conduct of business to produce goods and services and not intended for resale." } } }, "auth_ref": [ "r93" ] }, "srt_ProductOrServiceAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ProductOrServiceAxis", "presentation": [
"http://www.advancedemissionssolutions.com/role/LeasesNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Product and Service [Axis]", "label": "Product and Service [Axis]" } } }, "auth_ref": [ "r225", "r474", "r524", "r525", "r526", "r527", "r528", "r529", "r530", "r650", "r672", "r700", "r701", "r702", "r704", "r705", "r864", "r865", "r873", "r908", "r910", "r911", "r912", "r913", "r914", "r915", "r916", "r917", "r918", "r919", "r920", "r921", "r922", "r923", "r924", "r925", "r926", "r927", "r928", "r929", "r930", "r931", "r932", "r933", "r934", "r935", "r936", "r937" ] }, "srt_ProductsAndServicesDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ProductsAndServicesDomain", "presentation": [ "http://www.advancedemissionssolutions.com/role/LeasesNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Product and Service [Domain]", "label": "Product and Service [Domain]" } } }, "auth_ref": [ "r225", "r474", "r524", "r525", "r526", "r527", "r528", "r529", "r530", "r650", "r672", "r700", "r701", "r702", "r704", "r705", "r864", "r865", "r873", "r908", "r910", "r911", "r912", "r913", "r914", "r915", "r916", "r917", "r918", "r919", "r920", "r921", "r922", "r923", "r924", "r925", "r926", "r927", "r928", "r929", "r930", "r931", "r932", "r933", "r934", "r935", "r936", "r937" ] }, "ades_PromissoryNoteAMember": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "PromissoryNoteAMember", "presentation": [
"http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Promissory Note A", "label": "Promissory Note A [Member]", "documentation": "Promissory Note A" } } }, "auth_ref": [] }, "ades_PromissoryNoteBMember": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "PromissoryNoteBMember", "presentation": [
"http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Promissory Note B", "label": "Promissory Note B [Member]", "documentation": "Promissory Note B" } } }, "auth_ref": [] }, "ades_PromissoryNotesMember": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "PromissoryNotesMember", "presentation": [
"http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Promissory Notes", "label": "Promissory Notes [Member]", "documentation": "Promissory Notes" } } }, "auth_ref": [] }, "us-gaap_PropertyPlantAndEquipmentAndFinanceLeaseRightOfUseAssetAccumulatedDepreciationAndAmortization": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentAndFinanceLeaseRightOfUseAssetAccumulatedDepreciationAndAmortization", "crdr": "credit", "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheetsParenthetical" ], "lang": { "en-us": { "role": { "terseLabel": "Accumulated depreciation", "label": "Property, Plant, and Equipment and Finance Lease Right-of-Use Asset, Accumulated Depreciation and Amortization", "documentation": "Amount of accumulated depreciation and amortization from plant, property, and equipment and right-of-use asset from finance lease." } } }, "auth_ref": [ "r807", "r812", "r857" ] }, "us-gaap_PropertyPlantAndEquipmentAndFinanceLeaseRightOfUseAssetAfterAccumulatedDepreciationAndAmortization": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentAndFinanceLeaseRightOfUseAssetAfterAccumulatedDepreciationAndAmortization", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_Assets", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets" ], "lang": { "en-us": { "role": { "terseLabel": "Property, plant and equipment, net of accumulated depreciation of $25,146 and $19,293, respectively", "label": "Property, Plant, and Equipment and Finance Lease Right-of-Use Asset, after Accumulated Depreciation and Amortization", "documentation": "Amount, after accumulated depreciation and amortization, of property, plant, and equipment and finance lease right-of-use asset." } } }, "auth_ref": [ "r812", "r856" ] }, "ades_PublicOfferingsMember": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "PublicOfferingsMember", "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "terseLabel": "Public Offerings", "label": "Public Offerings [Member]", "documentation": "Public Offerings" } } }, "auth_ref": [] }, "ades_PurchaseOfPropertyAndEquipmentThroughNotesPayable": { "xbrltype": "monetaryItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "PurchaseOfPropertyAndEquipmentThroughNotesPayable", "crdr": "credit", "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "terseLabel": "Purchase of property and equipment through note payable", "label": "Purchase Of Property And Equipment Through Notes Payable", "documentation": "Purchase Of Property And Equipment Through Notes Payable" } } }, "auth_ref": [] }, "ecd_PvpTable": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "PvpTable", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Pay vs Performance Disclosure", "label": "Pay vs Performance Disclosure [Table]" } } }, "auth_ref": [ "r754" ] }, "ecd_PvpTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "PvpTableTextBlock", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Pay vs Performance Disclosure, Table", "label": "Pay vs Performance [Table Text Block]" } } }, "auth_ref": [ "r754" ] }, "srt_RangeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "RangeAxis", "presentation": [ "http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationNarrativeDetails", "http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Statistical Measurement [Axis]", "label": "Statistical Measurement [Axis]" } } }, "auth_ref": [ "r265", "r266", "r267", "r268", "r341", "r343", "r370", "r371", "r372", "r380", "r427", "r470", "r471", "r473", "r531", "r533", "r540", "r564", "r565", "r621", "r623", "r625", "r626", "r628", "r647", "r648", "r664", "r671", "r681", "r685", "r686", "r687", "r688", "r701", "r708", "r862", "r870", "r887", "r901", "r902", "r903", "r904", "r905" ] }, "srt_RangeMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "RangeMember", "presentation": [
"http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationNarrativeDetails", "http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Statistical Measurement [Domain]", "label": "Statistical Measurement [Domain]" } } }, "auth_ref": [ "r265", "r266", "r267", "r268", "r341", "r343", "r370", "r371", "r372", "r380", "r427", "r470", "r471", "r473", "r531", "r533", "r540", "r564", "r565", "r621", "r623", "r625", "r626", "r628", "r647", "r648", "r664", "r671", "r681", "r685", "r686", "r687", "r688", "r701", "r708", "r862", "r870", "r887", "r901", "r902", "r903", "r904", "r905" ] }, "us-gaap_ReceivableTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ReceivableTypeDomain", "presentation": [
"http://www.advancedemissionssolutions.com/role/RevenuesScheduleofAccountsReceivablesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Receivable [Domain]", "label": "Receivable [Domain]", "documentation": "Financing arrangement representing a contractual right to receive money either on demand or on fixed and determinable dates." } } }, "auth_ref": [ "r75", "r81" ] }, "ecd_RecoveryOfErrCompDisclosureLineItems": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "RecoveryOfErrCompDisclosureLineItems", "lang": { "en-us": { "role": { "label": "Recovery of Erroneously Awarded Compensation Disclosure [Line Items]" } } }, "auth_ref": [ "r722", "r732", "r742", "r774" ] }, "us-gaap_RedeemablePreferredStockDividends": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RedeemablePreferredStockDividends", "crdr": "debit", "presentation": [
"http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationScheduleofCalculationsofBasicandDilutedLossPerShareDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Less: Dividends declared on redeemable preferred stock", "label": "Redeemable Preferred Stock Dividends", "documentation": "Dividends paid to preferred stock holders that is redeemable solely at the option of the issuer." } } }, "auth_ref": [ "r10", "r24", "r111" ] }, "us-gaap_RelatedPartyDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyDomain", "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "terseLabel": "Related Party [Domain]", "label": "Related and Nonrelated Parties [Domain]", "documentation": "Related and nonrelated parties. Related party includes, but is not limited to, affiliate, other entity for which investment is accounted for under equity method, trust for benefit of employee, principal owner, management, and member of immediate family, and other party that may be prevented from pursuing separate interests because of control, significant influence, or ownership interest." } } }, "auth_ref": [ "r229", "r342", "r464", "r465", "r511", "r517", "r567", "r568", "r569", "r570", "r571", "r591", "r593", "r620" ] }, "us-gaap_RelatedPartyMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyMember", "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "terseLabel": "Related Party", "label": "Related Party [Member]", "documentation": "Party related to reporting entity. Includes, but is not limited to, affiliate, entity for which investment is accounted for by equity method, trust for benefit of employees, and principal owner, management, and members of immediate family." } } }, "auth_ref": [ "r174", "r175", "r464", "r465", "r466", "r467", "r511", "r517", "r567", "r568", "r569", "r570", "r571", "r591", "r593", "r620" ] }, "us-gaap_RelatedPartyTransactionAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyTransactionAxis", "presentation": [
"http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Related Party Transaction [Axis]", "label": "Related Party Transaction [Axis]", "documentation": "Information by type of related party transaction." } } }, "auth_ref": [ "r464", "r465", "r897" ] }, "us-gaap_RelatedPartyTransactionDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyTransactionDomain", "presentation": [ "http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Related Party Transaction [Domain]", "label": "Related Party Transaction [Domain]", "documentation": "Transaction between related party." } } }, "auth_ref": [] }, "us-gaap_RelatedPartyTransactionLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyTransactionLineItems", "presentation": [ "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Related Party Transaction [Line Items]", "label": "Related Party Transaction [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [ "r229", "r598", "r599", "r600" ] }, "us-gaap_RelatedPartyTransactionsByRelatedPartyAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyTransactionsByRelatedPartyAxis", "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "terseLabel": "Related Party [Axis]", "label": "Related and Nonrelated Parties [Axis]", "documentation": "Information by related and nonrelated parties. Related party includes, but is not limited to, affiliate, other entity for which investment is accounted for under equity method, trust for benefit of employee, principal owner, management, and member of immediate family, and other party that may be prevented from pursuing separate interests because of control, significant influence, or ownership interest." } } }, "auth_ref": [ "r229", "r342", "r464", "r465", "r511", "r517", "r567", "r568", "r569", "r570", "r571", "r591", "r593", "r620", "r897" ] }, "us-gaap_RepaymentsOfNotesPayable": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RepaymentsOfNotesPayable", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": -1.0, "order": 6.0 } }, "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "negatedLabel": "Principal payments on notes payable", "label": "Repayments of Notes Payable", "documentation": "The cash outflow for a borrowing supported by a written promise to pay an obligation." } } }, "auth_ref": [ "r94" ] }, "srt_RepurchaseAgreementCounterpartyNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "RepurchaseAgreementCounterpartyNameDomain", "presentation": [ "http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Counterparty Name [Domain]", "label": "Counterparty Name [Domain]" } } }, "auth_ref": [ "r176", "r177", "r284", "r312", "r467", "r472", "r509", "r657", "r658" ] }, "ades_RequirementToOwnSharesOutstandingAsPercent": { "xbrltype": "percentItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "RequirementToOwnSharesOutstandingAsPercent", "presentation": [
```

```
"http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Requirement to own shares outstanding (as percent)", "label": "Requirement To Own Shares Outstanding As Percent", "documentation": "Requirement To Own Shares Outstanding As Percent" } } }, "auth_ref": [] }, "us-gaap_ResearchAndDevelopmentExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ResearchAndDevelopmentExpense", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations": { "parentTag": "us-gaap_OperatingExpenses", "weight": 1.0, "order": 2.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations" ], "lang": { "en-us": { "role": { "terseLabel": "Research and development", "label": "Research and Development Expense", "documentation": "Amount of expense for research and development. Includes, but is not limited to, cost for computer software product to be sold, leased, or otherwise marketed and writeoff of research and development assets acquired in transaction other than business combination or joint venture formation or both. Excludes write-down of intangible asset acquired in business combination or from joint venture formation or both, used in research and development activity." } } }, "auth_ref": [ "r381", "r649", "r662", "r906" ] }, "ecd_RestatementDateAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "RestatementDateAxis", "presentation": [ "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Restatement Determination Date:", "label": "Restatement Determination Date [Axis]" } } }, "auth_ref": [ "r723", "r733", "r743", "r775" ] }, "ecd_RestatementDeterminationDate": { "xbrltype": "dateItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "RestatementDeterminationDate", "presentation": [ "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Restatement Determination Date", "label": "Restatement Determination Date" } } }, "auth_ref": [ "r724", "r734", "r744", "r776" ] }, "ecd_RestatementDoesNotRequireRecoveryTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "RestatementDoesNotRequireRecoveryTextBlock", "presentation": [ "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Restatement does not require Recovery", "label": "Restatement Does Not Require Recovery [Text Block]" } } }, "auth_ref": [ "r731", "r741", "r751", "r783" ] }, "us-gaap_RestrictedCashAndCashEquivalentsNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedCashAndCashEquivalentsNoncurrent", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_Assets", "weight": 1.0, "order": 4.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets" ], "lang": { "en-us": { "role": { "terseLabel": "Restricted cash, long-term", "label": "Restricted Cash and Cash Equivalents, Noncurrent", "documentation": "Amount of cash and cash equivalents restricted as to withdrawal or usage, classified as noncurrent. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": [ "r20", "r135", "r169" ] }, "us-gaap_RestrictedCashNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedCashNoncurrent", "crdr": "debit", "presentation": [ "http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Restricted cash, long-term", "label": "Restricted Cash, Noncurrent", "documentation": "Amount of cash restricted as to withdrawal or usage, classified as noncurrent. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits." } } }, "auth_ref": [ "r135", "r815", "r827" ] }, "us-gaap_RestrictedStockMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedStockMember", "presentation": [ "http://www.advancedemissionssolutions.com/role/StockBasedCompensationNarrativeDetails", "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofAllocationofCompensationExpenseDetails", "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofRestrictedStockActivityDetails", "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofUnrecognizedCompensationCostDetails", "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "RSA expense", "verboseLabel": "Restricted Stock", "label": "Restricted Stock [Member]", "documentation": "Stock including a provision that prohibits sale or substantive sale of an equity instrument for a specified period of time or until specified performance conditions are met." } } }, "auth_ref": [ "r25" ] }, "us-gaap_RetainedEarningsAccumulatedDeficit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RetainedEarningsAccumulatedDeficit", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 3.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets" ], "lang": { "en-us": { "role": { "terseLabel": "Retained earnings", "label": "Retained Earnings (Accumulated Deficit)", "documentation": "Amount of accumulated undistributed earnings (deficit)." } } }, "auth_ref": [ "r77", "r111", "r515", "r538", "r539", "r547", "r575", "r691" ] }, "us-gaap_RetainedEarningsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RetainedEarningsMember", "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity" ], "lang": { "en-us": { "role": { "terseLabel": "Retained Earnings", "label": "Retained Earnings [Member]", "documentation": "Accumulated undistributed earnings (deficit)." } } }, "auth_ref": [ "r143", "r179", "r180", "r181", "r183", "r188", "r190", "r192", "r236", "r237", "r250", "r390", "r391", "r398", "r399", "r400", "r402", "r408", "r409", "r415", "r417", "r418", "r420", "r422", "r441", "r443", "r535", "r537", "r549", "r940" ] }, "us-gaap_RevenueFromContractWithCustomerAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerAbstract", "lang": { "en-us": { "role": { "terseLabel": "Revenue from Contract with Customer [Abstract]", "label": "Revenue from Contract with Customer [Abstract]" } } }, "auth_ref": [] }, "us-gaap_RevenueFromContractWithCustomerIncludingAssessedTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerIncludingAssessedTax", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations": { "parentTag": "us-gaap_OperatingIncomeLoss", "weight": 1.0, "order": 3.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations" ], "lang": { "en-us": { "role": { "terseLabel": "Revenue", "label": "Revenue from Contract with Customer, Including Assessed Tax", "documentation": "Amount, including tax collected from customer, of revenue from satisfaction of performance obligation by transferring promised good or service to customer. Tax collected from customer is tax assessed by governmental authority that is both imposed on and concurrent with specific revenue-producing transaction, including, but not limited to, sales, use, value-added and excise." } } }, "auth_ref": [ "r129", "r130", "r210", "r215", "r216", "r222", "r224", "r225", "r226", "r228", "r337", "r338", "r474" ] }, "us-gaap_RevenueFromContractWithCustomerMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerMember", "presentation": [ "http://www.advancedemissionssolutions.com/role/RevenuesNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Revenue from Contract with Customer Benchmark", "label": "Revenue from Contract with Customer Benchmark [Member]", "documentation": "Revenue from satisfaction of performance obligation by transferring promised product and service to customer, when it serves as benchmark in concentration of risk calculation." } } }, "auth_ref": [ "r228", "r808" ] }, "us-gaap_RevenueFromContractWithCustomerTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerTextBlock", "presentation": [ "http://www.advancedemissionssolutions.com/role/Revenues" ], "lang": { "en-us": { "role": { "terseLabel": "Revenues", "label": "Revenue from Contract with Customer [Text Block]", "documentation": "The entire disclosure of revenue from contract with customer to transfer good or service and to transfer nonfinancial asset. Includes, but is not limited to, disaggregation of revenue, credit loss recognized from contract with customer, judgment and change in judgment related to contract with customer, and asset recognized from cost incurred to obtain or fulfill contract with customer. Excludes insurance and lease contracts." } } }, "auth_ref": [ "r141", "r329", "r330", "r331", "r332", "r333", "r334", "r335", "r336", "r340" ] }, "us-gaap_RevenuePerformanceObligationDescriptionOfTiming": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenuePerformanceObligationDescriptionOfTiming", "presentation": [ "http://www.advancedemissionssolutions.com/role/RevenuesNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Collection terms", "label": "Revenue, Performance Obligation, Description of Timing", "documentation": "Description of timing for satisfying performance obligation in contract with customer. Includes, but is not limited to, as services are rendered, and upon shipment, delivery or completion of service." } } }, "auth_ref": [ "r330" ] }, "us-gaap_RevenuesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenuesAbstract", "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations" ], "lang": { "en-us": { "role": { "terseLabel": "Revenues:", "label": "Revenues [Abstract]" } } }, "auth_ref": [] }, "us-gaap_RightOfUseAssetObtainedInExchangeForFinanceLeaseLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RightOfUseAssetObtainedInExchangeForFinanceLeaseLiability", "crdr": "debit", "presentation": [ "http://www.advancedemissionssolutions.com/role/LeasesScheduleofLeaseLiabilitiesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Right-of-use assets obtained in exchange for new finance lease liabilities", "label": "Right-of-Use Asset Obtained in Exchange for Finance Lease Liability", "documentation": "Amount of increase in right-of-use asset obtained in exchange for finance lease liability." } } }, "auth_ref": [ "r458", "r690" ] }, "us-gaap_RightOfUseAssetObtainedInExchangeForOperatingLeaseLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RightOfUseAssetObtainedInExchangeForOperatingLeaseLiability", "crdr": "debit", "presentation": [ "http://www.advancedemissionssolutions.com/role/LeasesScheduleofLeaseLiabilitiesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Right-of-use assets obtained in exchange for new operating lease liabilities", "label": "Right-of-Use Asset Obtained in Exchange for Operating Lease Liability", "documentation": "Amount of increase in right-of-use asset obtained in exchange for operating lease liability." } } }, "auth_ref": [ "r458", "r690" ] }, "ecd_Rule10b51ArrAdoptedFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "Rule10b51ArrAdoptedFlag", "presentation": [ "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" ], "lang": { "en-us": { "role": { "terseLabel": "Rule 10b5-1 Arrangement Adopted", "label": "Rule 10b5-1 Arrangement Adopted [Flag]" } } }, "auth_ref": [ "r792" ] }, "ecd_Rule10b51ArrTrmntdFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "Rule10b51ArrTrmntdFlag", "presentation": [ "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" ], "lang": { "en-us": { "role": { "terseLabel": "Rule 10b5-1 Arrangement Terminated", "label": "Rule 10b5-1 Arrangement Terminated [Flag]" } } }, "auth_ref": [ "r792" ] }, "us-gaap_SaleOfStockConsiderationReceivedOnTransaction": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SaleOfStockConsiderationReceivedOnTransaction", "crdr": "debit", "presentation": [ "http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails", "http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Consideration received on transaction", "verboseLabel": "Deducting offering expenses", "label": "Sale of Stock, Consideration Received on Transaction", "documentation": "Cash received on stock transaction after deduction of issuance costs." } } }, "auth_ref": [] }, "us-gaap_SaleOfStockNameOfTransactionDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SaleOfStockNameOfTransactionDomain", "presentation": [ "http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Sale of Stock [Domain]", "label": "Sale of Stock [Domain]", "documentation": "Sale of the entity's stock, including, but not limited to, initial public offering (IPO) and private placement." } } }, "auth_ref": [] }, "us-gaap_SaleOfStockNumberOfSharesIssuedInTransaction": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SaleOfStockNumberOfSharesIssuedInTransaction", "presentation": [ "http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Number of shares agreed to purchase (in shares)", "label": "Sale of Stock, Number of Shares Issued in Transaction", "documentation": "The number of shares issued or sold by the subsidiary or equity method investee per stock transaction." } } }, "auth_ref": [] }, "us-gaap_SaleOfStockPricePerShare": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SaleOfStockPricePerShare", "presentation": [ "http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails", "http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Price per share (in dollars per share)", "label": "Sale of Stock, Price Per Share", "documentation": "Per share amount received by subsidiary or equity investee for each share of common stock issued or sold in the stock transaction." } } }, "auth_ref": [] }, "ades_SaleOfStockTermOfPurchasePeriod": { "xbrltype": "durationItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "SaleOfStockTermOfPurchasePeriod", "presentation": [ "http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Purchase period", "label": "Sale Of Stock, Term Of Purchase Period", "documentation": "Sale Of Stock, Term Of Purchase Period" } } }, "auth_ref": [] }, "us-gaap_ScheduleOfAccountsNotesLoansAndFinancingReceivableTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfAccountsNotesLoansAndFinancingReceivableTable", "presentation": [ "http://www.advancedemissionssolutions.com/role/RevenuesScheduleofAccountsReceivablesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Accounts, Notes, Loans and Financing Receivable [Table]", "label": "Accounts and Financing Receivables [Table]", "documentation": "Disclosure of information about accounts and financing receivables. Includes, but is not limited to, amount of receivable and allowance for credit loss." } } }, "auth_ref": [ "r75", "r81", "r230", "r843" ] }, "us-gaap_ScheduleOfAccountsNotesLoansAndFinancingReceivableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfAccountsNotesLoansAndFinancingReceivableTextBlock", "presentation": [ "http://www.advancedemissionssolutions.com/role/RevenuesTables" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Accounts Receivables", "label": "Schedule of Accounts, Notes, Loans and Financing Receivable [Table Text Block]", "documentation": "Tabular disclosure of the various types of trade accounts and notes receivable and for each the gross carrying value, allowance, and net carrying value as of the balance sheet date. Presentation is categorized by current, noncurrent and unclassified receivables." } } }, "auth_ref": [ "r75", "r81" ] }, "us-gaap_ScheduleOfBusinessAcquisitionsByAcquisitionTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfBusinessAcquisitionsByAcquisitionTable", "presentation": [ "http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails", "http://www.advancedemissionssolutions.com/role/ArqAcquisitionScheduleofFinalPurchasePriceAllocationtotheAssetsAcquiredandLiabilitiesAssumedDetails", "http://www.advancedemissionssolutions.com/role/MarshallMineDetails",
```

```
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofChangeinAssetRetirementObligationDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Business Acquisitions, by Acquisition [Table]", "label": "Schedule of Business Acquisitions, by Acquisition [Table]", "documentation": "Disclosure of information about business combination. Includes, but is not limited to, recognized asset and liability." } } }, "auth_ref": [ "r49", "r50", "r405" ] }, "us-gaap_ScheduleOfChangeInAssetRetirementObligationTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfChangeInAssetRetirementObligationTableTextBlock", "presentation": [
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationTables" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Change in Asset Retirement Obligation", "label": "Schedule of Change in Asset Retirement Obligation [Table Text Block]", "documentation": "Tabular disclosure of the changes in carrying amount of a liability for asset retirement obligations, for changes such as new obligations, changes in estimates of existing obligations, spending on existing obligations, property dispositions, and foreign currency translation." } } }, "auth_ref": [ "r861" ] }, "us-gaap_ScheduleOfCompensationCostForShareBasedPaymentArrangementsAllocationOfShareBasedCompensationCostsByPlanTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfCompensationCostForShareBasedPaymentArrangementsAllocationOfShareBasedCompensationCostsByPlanTableTextBlock", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationTables" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Allocation of Compensation Expense", "label": "Share-Based Payment Arrangement, Cost by Plan [Table Text Block]", "documentation": "Tabular disclosure of cost recognized for award under share-based payment arrangement by plan. Includes, but is not limited to, related tax benefit." } } }, "auth_ref": [ "r47" ] }, "us-gaap_ScheduleOfDebtTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfDebtTableTextBlock", "presentation": [
"http://www.advancedemissionssolutions.com/role/DebtObligationsTables" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Debt", "label": "Schedule of Debt [Table Text Block]", "documentation": "Tabular disclosure of information pertaining to short-term and long-debt instruments or arrangements, including but not limited to identification of terms, features, collateral requirements and other information necessary to a fair presentation." } } }, "auth_ref": [] }, "us-gaap_ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock", "presentation": [
"http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationTables" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Calculations of Basic and Diluted Loss Per Share", "label": "Schedule of Earnings Per Share, Basic and Diluted [Table Text Block]", "documentation": "Tabular disclosure of an entity's basic and diluted earnings per share calculations, including a reconciliation of numerators and denominators of the basic and diluted per-share computations for income from continuing operations." } } }, "auth_ref": [ "r836" ] }, "srt_ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis", "presentation": [
"http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails",
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationNarrativeDetails",
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Investment, Name [Axis]", "label": "Investment, Name [Axis]" } } }, "auth_ref": [ "r232", "r233", "r234", "r397", "r804", "r805", "r806", "r876", "r877", "r878", "r879" ] }, "us-gaap_ScheduleOfEquityMethodInvestmentsLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEquityMethodInvestmentsLineItems", "presentation": [
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Equity Method Investments [Line Items]", "label": "Schedule of Equity Method Investments [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [ "r172", "r232", "r233", "r234", "r235", "r432" ] }, "us-gaap_ScheduleOfEquityMethodInvestmentsTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEquityMethodInvestmentsTable", "presentation": [
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Equity Method Investments [Table]", "label": "Equity Method Investment [Table]", "documentation": "Disclosure of information about equity method investment. Includes, but is not limited to, name of investee or group of investees, percentage ownership, difference between investment and value of underlying equity in net assets." } } }, "auth_ref": [ "r145", "r172", "r232", "r233", "r234", "r235", "r432" ] }, "us-gaap_ScheduleOfInventoryCurrentTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfInventoryCurrentTableTextBlock", "presentation": [
"http://www.advancedemissionssolutions.com/role/InventoriesnetTables" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Inventory", "label": "Schedule of Inventory, Current [Table Text Block]", "documentation": "Tabular disclosure of the carrying amount as of the balance sheet date of merchandise, goods, commodities, or supplies held for future sale or to be used in manufacturing, servicing or production process." } } }, "auth_ref": [ "r17", "r82", "r83", "r84" ] }, "us-gaap_ScheduleOfRecognizedIdentifiedAssetsAcquiredAndLiabilitiesAssumedTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfRecognizedIdentifiedAssetsAcquiredAndLiabilitiesAssumedTableTextBlock", "presentation": [
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionTables" ], "lang": { "en-us": { "role": { "verboseLabel": "Schedule of Final Purchase Price Allocation to the Assets Acquired and Liabilities Assumed", "label": "Schedule of Recognized Identified Assets Acquired and Liabilities Assumed [Table Text Block]", "documentation": "Tabular disclosure of the amounts recognized as of the acquisition date for each major class of assets acquired and liabilities assumed. May include but not limited to the following: (a) acquired receivables; (b) contingencies recognized at the acquisition date; and (c) the fair value of noncontrolling interests in the acquiree." } } }, "auth_ref": [ "r116" ] }, "us-gaap_ScheduleOfRelatedPartyTransactionsByRelatedPartyTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfRelatedPartyTransactionsByRelatedPartyTable", "presentation": [
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Related Party Transactions, by Related Party [Table]", "label": "Related Party Transaction [Table]", "documentation": "Disclosure of information about related party transaction." } } }, "auth_ref": [ "r56", "r57", "r598", "r599", "r600" ] }, "us-gaap_ScheduleOfShareBasedCompensationArrangementsByShareBasedPaymentAwardTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShareBasedCompensationArrangementsByShareBasedPaymentAwardTable", "presentation": [ "http://www.advancedemissionssolutions.com/role/StockBasedCompensationNarrativeDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofAllocationofCompensationExpenseDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofPerformanceSharesUnitsDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofRestrictedStockActivityDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofUnrecognizedCompensationCostDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Share-based Compensation Arrangements by Share-based Payment Award [Table]", "label": "Schedule of Share-Based Compensation Arrangements by Share-Based Payment Award [Table]", "documentation": "Disclosure of information about share-based payment arrangement." } } }, "auth_ref": [ "r345", "r346", "r348", "r349", "r350", "r351", "r352", "r353", "r354", "r355", "r356", "r357", "r358", "r359", "r360", "r361", "r362", "r363", "r364", "r365", "r366", "r367", "r368", "r369", "r370", "r371", "r372", "r373" ] }, "us-gaap_ScheduleOfShareBasedCompensationStockOptionsActivityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShareBasedCompensationStockOptionsActivityTableTextBlock", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationTables" ], "lang": { "en-us": { "role": { "terseLabel": "Summary of Option Activity", "label": "Share-Based Payment Arrangement, Option, Activity [Table Text Block]", "documentation": "Tabular disclosure for stock option plans. Includes, but is not limited to, outstanding awards at beginning and end of year, grants, exercises, forfeitures, and weighted-average grant date fair value." } } }, "auth_ref": [ "r11", "r12", "r112" ] }, "us-gaap_ScheduleOfSharebasedCompensationRestrictedStockAndRestrictedStockUnitsActivityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfSharebasedCompensationRestrictedStockAndRestrictedStockUnitsActivityTableTextBlock", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationTables" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Restricted Stock Activity", "label": "Share-Based Payment Arrangement, Restricted Stock and Restricted Stock Unit, Activity [Table Text Block]", "documentation": "Disclosure of the number and weighted-average grant date fair value for restricted stock and restricted stock units that were outstanding at the beginning and end of the year, and the number of restricted stock and restricted stock units that were granted, vested, or forfeited during the year." } } }, "auth_ref": [] }, "us-gaap_ScheduleOfStockByClassTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfStockByClassTable", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Stock by Class [Table]", "label": "Stock, Class of Stock [Table]", "documentation": "Disclosure of information about stock by class. Includes, but is not limited to, common, convertible, and preferred stocks." } } }, "auth_ref": [ "r37", "r38", "r39", "r40", "r41", "r42", "r106", "r108", "r110", "r111", "r153", "r154", "r155", "r212", "r310", "r311", "r312", "r314", "r317", "r322", "r324", "r543", "r544", "r545", "r546", "r671", "r803", "r828" ] }, "us-gaap_ScheduleOfUnrecognizedCompensationCostNonvestedAwardsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfUnrecognizedCompensationCostNonvestedAwardsTableTextBlock", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationTables" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Unrecognized Compensation Cost", "label": "Share-Based Payment Arrangement, Nonvested Award, Cost [Table Text Block]", "documentation": "Tabular disclosure of cost not yet recognized and weighted-average period over which cost is expected to be recognized for nonvested award under share-based payment arrangement." } } }, "auth_ref": [ "r114" ] }, "ades_ScheduleofIncomeTaxExpenseandEffectiveTaxRatesTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "ScheduleofIncomeTaxExpenseandEffectiveTaxRatesTableTextBlock", "presentation": [
"http://www.advancedemissionssolutions.com/role/IncomeTaxesTables" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Income Tax Expense and Effective Tax Rates", "label": "Schedule of Income Tax Expense and Effective Tax Rates [Table Text Block]", "documentation": "Schedule of Income Tax Expense and Effective Tax Rates [Table Text Block]" } } }, "auth_ref": [] }, "us-gaap_SecuredDebtMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SecuredDebtMember", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails",
"http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails" ], "lang": { "en-us": { "role": { "verboseLabel": "Term Loan", "terseLabel": "Secured Debt", "label": "Secured Debt [Member]", "documentation": "Collateralized debt obligation backed by, for example, but not limited to, pledge, mortgage or other lien on the entity's assets." } } }, "auth_ref": [] }, "us-gaap_SecuredOvernightFinancingRateSofrMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SecuredOvernightFinancingRateSofrMember", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "SOFR", "label": "Secured Overnight Financing Rate (SOFR) [Member]", "documentation": "Interest rate at which bank can borrow U.S. dollar overnight while posting U.S. Treasury bond as collateral." } } }, "auth_ref": [ "r883" ] }, "ades_SecuritiesPurchaseAgreementMember": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "SecuritiesPurchaseAgreementMember", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Securities Purchase Agreement", "label": "Securities Purchase Agreement [Member]", "documentation": "Securities Purchase Agreement" } } }, "auth_ref": [] }, "dei_Security12bTitle": { "xbrltype": "securityTitleItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "Security12bTitle", "presentation": [
"http://www.advancedemissionssolutions.com/role/CoverPage" ], "lang": { "en-us": { "role": { "terseLabel": "Title of 12(b) Security", "label": "Title of 12(b) Security", "documentation": "Title of a 12(b) registered security." } } }, "auth_ref": [ "r717" ] }, "dei_SecurityExchangeName": { "xbrltype": "edgarExchangeCodeItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "SecurityExchangeName", "presentation": [ "http://www.advancedemissionssolutions.com/role/CoverPage" ], "lang": { "en-us": { "role": { "terseLabel": "Security Exchange Name", "label": "Security Exchange Name", "documentation": "Name of the Exchange on which a security is registered." } } }, "auth_ref": [ "r719" ] }, "srt_SegmentGeographicalDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "SegmentGeographicalDomain", "presentation": [ "http://www.advancedemissionssolutions.com/role/RevenuesNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Geographical [Domain]", "label": "Geographical [Domain]" } } }, "auth_ref": [ "r226", "r227", "r477", "r478", "r479", "r480", "r481", "r482", "r483", "r484", "r485", "r486", "r487", "r488", "r489", "r490", "r491", "r492", "r493", "r494", "r495", "r496", "r497", "r498", "r499", "r500", "r501", "r502", "r503", "r504", "r505", "r506", "r561", "r562", "r563", "r622", "r624", "r627", "r629", "r636", "r638", "r639", "r640", "r641", "r642", "r643", "r644", "r645", "r646", "r651", "r673", "r692", "r693", "r694", "r695", "r696", "r697", "r698", "r699", "r703", "r708", "r873", "r908", "r910", "r911", "r913", "r914", "r915", "r916", "r917", "r918", "r919", "r920", "r921", "r922", "r923", "r924", "r925", "r926", "r927", "r928", "r929", "r930", "r931", "r932", "r933", "r934", "r935", "r936", "r937" ] }, "us-gaap_SellingGeneralAndAdministrativeExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SellingGeneralAndAdministrativeExpense", "crdr": "debit", "calculation": {
```

```
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations": { "parentTag": "us-gaap_OperatingExpenses", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations" ], "lang": { "en-us": { "role": { "terseLabel": "Selling, general and administrative", "label": "Selling, General and Administrative Expense", "documentation": "The aggregate total costs related to selling a firm's product and services, as well as all other general and administrative expenses. Direct selling expenses (for example, credit, warranty, and advertising) are expenses that can be directly linked to the sale of specific products. Indirect selling expenses are expenses that cannot be directly linked to the sale of specific products, for example telephone expenses, Internet, and postal charges. General and administrative expenses include salaries of non-sales personnel, rent, utilities, communication, etc." } } }, "auth_ref": [ "r90" ] }, "us-gaap_SellingGeneralAndAdministrativeExpensesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SellingGeneralAndAdministrativeExpensesMember", "presentation": [ "http://www.advancedemissionssolutions.com/role/LeasesNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Selling, General and Administrative Expenses", "label": "Selling, General and Administrative Expenses [Member]", "documentation": "Primary financial statement caption encompassing selling, general and administrative expense." } } }, "auth_ref": [] }, "ades_SeniorTermLoanMember": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "SeniorTermLoanMember", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails" ], "lang": { "en-us": { "role": { "terseLabel": "CFG Loan due February 2027, related party", "label": "Senior Term Loan [Member]", "documentation": "Senior Term Loan [Member]" } } }, "auth_ref": [] }, "us-gaap_SeriesAPreferredStockMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SeriesAPreferredStockMember", "presentation": [ "http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Series A Preferred Stock", "label": "Series A Preferred Stock [Member]", "documentation": "Series A preferred stock." } } }, "auth_ref": [ "r816", "r817", "r872" ] }, "us-gaap_ShareBasedCompensation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensation", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 12.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows" ], "lang": { "en-us": { "role": { "terseLabel": "Stock-based compensation expense", "label": "Share-Based Payment Arrangement, Noncash Expense", "documentation": "Amount of noncash expense for share-based payment arrangement." } } }, "auth_ref": [ "r6" ] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardAwardVestingPeriod1": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardAwardVestingPeriod1", "presentation": [ "http://www.advancedemissionssolutions.com/role/StockBasedCompensationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Vesting period (in years)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Period", "documentation": "Period over which grantee's right to exercise award under share-based payment arrangement is no longer contingent on satisfaction of service or performance condition, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. Includes, but is not limited to, combination of market, performance or service condition." } } }, "auth_ref": [ "r682" ] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeitedInPeriod": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeitedInPeriod", "presentation": [ "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofPerformanceSharesUnitsDetails", "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofRestrictedStockActivityDetails" ], "lang": { "en-us": { "role": { "negatedTerseLabel": "Forfeited (in shares)", "negatedLabel": "Forfeited / Canceled (in shares)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeited in Period", "documentation": "The number of equity-based payment instruments, excluding stock (or unit) options, that were forfeited during the reporting period." } } }, "auth_ref": [ "r364" ] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeituresWeightedAverageGrantDateFairValue": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeituresWeightedAverageGrantDateFairValue", "presentation": [ "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofPerformanceSharesUnitsDetails", "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofRestrictedStockActivityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Forfeited (in dollars per share)", "verboseLabel": "Forfeited / Canceled (in dollars per share)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeitures, Weighted Average Grant Date Fair Value", "documentation": "Weighted average fair value as of the grant date of equity-based award plans other than stock (unit) option plans that were not exercised or put into effect as a result of the occurrence of a terminating event." } } }, "auth_ref": [ "r364" ] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsGrantsInPeriod": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsGrantsInPeriod", "presentation": [ "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofPerformanceSharesUnitsDetails", "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofRestrictedStockActivityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Granted (in shares)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Grants in Period", "documentation": "The number of grants made during the period on other than stock (or unit) option plans (for example, phantom stock or unit plan, stock or unit appreciation rights plan, performance target plan)." } } }, "auth_ref": [ "r362" ] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsGrantsInPeriodWeightedAverageGrantDateFairValue": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsGrantsInPeriodWeightedAverageGrantDateFairValue", "presentation": [ "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofPerformanceSharesUnitsDetails", "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofRestrictedStockActivityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Granted (in dollars per share)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Grants in Period, Weighted Average Grant Date Fair Value", "documentation": "The weighted average fair value at grant date for nonvested equity-based awards issued during the period on other than stock (or unit) option plans (for example, phantom stock or unit plan, stock or unit appreciation rights plan, performance target plan)." } } }, "auth_ref": [ "r362" ] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedNumber": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedNumber", "presentation": [ "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofPerformanceSharesUnitsDetails", "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofRestrictedStockActivityDetails" ], "lang": { "en-us": { "role": { "periodStartLabel": "Non-vested shares, beginning balance (in shares)", "periodEndLabel": "Non-vested shares, ending balance (in shares)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Number", "documentation": "The number of non-vested equity-based payment instruments, excluding stock (or unit) options, that validly exist and are outstanding as of the balance sheet date." } } }, "auth_ref": [ "r359", "r360" ] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedRollForward": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedRollForward", "presentation": [ "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofPerformanceSharesUnitsDetails", "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofRestrictedStockActivityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Restricted Stock", "verboseLabel": "Units", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Number of Shares [Roll Forward]", "documentation": "A roll forward is a reconciliation of a concept from the beginning of a period to the end of a period." } } }, "auth_ref": [] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedWeightedAverageGrantDateFairValue": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedWeightedAverageGrantDateFairValue", "presentation": [ "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofPerformanceSharesUnitsDetails", "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofRestrictedStockActivityDetails" ], "lang": { "en-us": { "role": { "periodStartLabel": "Non-vested shares, beginning balance (in dollars per share)", "periodEndLabel": "Non-vested shares, ending balance (in dollars per share)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Weighted Average Grant Date Fair Value", "documentation": "Per share or unit weighted-average fair value of nonvested award under share-based payment arrangement. Excludes share and unit options." } } }, "auth_ref": [ "r359", "r360" ] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedWeightedAverageGrantDateFairValueRollForward": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedWeightedAverageGrantDateFairValueRollForward", "presentation": [ "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofPerformanceSharesUnitsDetails", "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofRestrictedStockActivityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Weighted-Average Grant\u00a0Date Fair Value", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Weighted Average Grant Date Fair Value [Abstract]" } } }, "auth_ref": [] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsOutstandingWeightedAverageRemainingContractualTerms": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsOutstandingWeightedAverageRemainingContractualTerms", "presentation": [ "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofPerformanceSharesUnitsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Outstanding, weighted-average remaining contractual term (in years)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Outstanding, Weighted Average Remaining Contractual Terms", "documentation": "Weighted average remaining contractual term for equity-based awards excluding options, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days." } } }, "auth_ref": [ "r113" ] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriod": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriod", "presentation": [ "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofPerformanceSharesUnitsDetails", "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofRestrictedStockActivityDetails" ], "lang": { "en-us": { "role": { "negatedLabel": "Vested (in shares)", "negatedTerseLabel": "Vested / Settled (in shares)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period", "documentation": "The number of equity-based payment instruments, excluding stock (or unit) options, that vested during the reporting period." } } }, "auth_ref": [ "r363" ] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriodWeightedAverageGrantDateFairValue": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriodWeightedAverageGrantDateFairValue", "presentation": [ "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofPerformanceSharesUnitsDetails", "http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofRestrictedStockActivityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Vested (in dollars per share)", "verboseLabel": "Vested / Settled (in dollars per share)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period, Weighted Average Grant Date Fair Value", "documentation": "The weighted average fair value as of grant date pertaining to an equity-based award plan other than a stock (or unit) option plan for which the grantee gained the right during the reporting period, by satisfying service and performance requirements, to receive or retain shares or units, other instruments, or cash in accordance with the terms of the arrangement." } } }, "auth_ref": [ "r363" ] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardFairValueAssumptionsExpectedDividendRate": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardFairValueAssumptionsExpectedDividendRate",
```

```
"presentation": [ "http://www.advancedemissionssolutions.com/role/StockBasedCompensationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Expected dividend rate", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Fair Value Assumptions, Expected Dividend Rate", "documentation": "The estimated dividend rate (a percentage of the share price) to be paid (expected dividends) to holders of the underlying shares over the option's term." } } }, "auth_ref": [ "r371" ] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardLineItems", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationNarrativeDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofAllocationofCompensationExpenseDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofPerformanceSharesUnitsDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofRestrictedStockActivityDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofUnrecognizedCompensationCostDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items]", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [ "r345", "r346", "r348", "r349", "r350", "r351", "r352", "r353", "r354", "r355", "r356", "r357", "r358", "r359", "r360", "r361", "r362", "r363", "r364", "r365", "r366", "r367", "r368", "r369", "r370", "r371", "r372", "r373" ] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsExercisableNumber": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsExercisableNumber", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Options exercisable (in shares)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercisable, Number", "documentation": "The number of shares into which fully or partially vested stock options outstanding as of the balance sheet date can be currently converted under the option plan." } } }, "auth_ref": [ "r353" ] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsExercisableWeightedAverageExercisePrice": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsExercisableWeightedAverageExercisePrice", "presentation": [ "http://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Options exercisable, weighted average exercise price (in dollars per share)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercisable, Weighted Average Exercise Price", "documentation": "The weighted-average price as of the balance sheet date at which grantees can acquire the shares reserved for issuance on vested portions of options outstanding and currently exercisable under the stock option plan." } } }, "auth_ref": [ "r353" ] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsExpirationsInPeriod": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsExpirationsInPeriod", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetails" ], "lang": { "en-us": { "role": { "negatedLabel": "Options expired / forfeited (in shares)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Expirations in Period", "documentation": "Number of options or other stock instruments for which the right to exercise has lapsed under the terms of the plan agreements." } } }, "auth_ref": [ "r358" ] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsGrantsInPeriod": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsGrantsInPeriod", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Granted stock options (in shares)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Grants in Period, Net of Forfeitures", "documentation": "Net number of share options (or share units) granted during the period." } } }, "auth_ref": [ "r874" ] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsGrantsInPeriodGross": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsGrantsInPeriodGross", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Options granted (in shares)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Grants in Period, Gross", "documentation": "Gross number of share options (or share units) granted during the period." } } }, "auth_ref": [ "r355" ] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingIntrinsicValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingIntrinsicValue", "crdr": "debit", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Options outstanding, intrinsic value", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Intrinsic Value", "documentation": "Amount by which the current fair value of the underlying stock exceeds the exercise price of options outstanding." } } }, "auth_ref": [ "r45" ] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingNumber": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingNumber", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetails" ], "lang": { "en-us": { "role": { "periodStartLabel": "Options outstanding, start of year (in shares)", "periodEndLabel": "Options outstanding, end of year (in shares)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Number", "documentation": "Number of options outstanding, including both vested and non-vested options." } } }, "auth_ref": [ "r351", "r352" ] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingRollForward": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingRollForward", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Number of Options Outstanding\u00a0and Exercisable", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding [Roll Forward]", "documentation": "A roll forward is a reconciliation of a concept from the beginning of a period to the end of a period." } } }, "auth_ref": [] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePrice": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePrice", "presentation": [ "http://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetails" ], "lang": { "en-us": { "role": { "periodStartLabel": "Options outstanding, start of year (in dollars per share)", "periodEndLabel": "Options outstanding, end of year (in dollars per share)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Exercise Price", "documentation": "Weighted average price at which grantees can acquire the shares reserved for issuance under the stock option plan." } } }, "auth_ref": [ "r351", "r352" ] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePriceRollforward": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePriceRollforward", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Weighted-Average Exercise Price", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Exercise Price [Abstract]" } } }, "auth_ref": [] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsVestedAndExpectedToVestOutstandingAggregateIntrinsicValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsVestedAndExpectedToVestOutstandingAggregateIntrinsicValue", "crdr": "debit", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Options vested, intrinsic value", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested and Expected to Vest, Outstanding, Aggregate Intrinsic Value", "documentation": "Amount by which current fair value of underlying stock exceeds exercise price of fully vested and expected to vest options outstanding. Includes, but is not limited to, unvested options for which requisite service period has not been rendered but that are expected to vest based on achievement of performance condition, if forfeitures are recognized when they occur." } } }, "auth_ref": [ "r367" ] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsVestedAndExpectedToVestOutstandingNumber": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsVestedAndExpectedToVestOutstandingNumber", "presentation": [ "http://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Options vested (in shares)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested and Expected to Vest, Outstanding, Number", "documentation": "Number of fully vested and expected to vest options outstanding that can be converted into shares under option plan. Includes, but is not limited to, unvested options for which requisite service period has not been rendered but that are expected to vest based on achievement of performance condition, if forfeitures are recognized when they occur." } } }, "auth_ref": [ "r367" ] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsVestedAndExpectedToVestOutstandingWeightedAverageExercisePrice": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsVestedAndExpectedToVestOutstandingWeightedAverageExercisePrice", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Options vested, weighted average exercise price (in dollars per share)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested and Expected to Vest, Outstanding, Weighted Average Exercise Price", "documentation": "Weighted-average exercise price, at which grantee can acquire shares reserved for issuance, for fully vested and expected to vest options outstanding. Includes, but is not limited to, unvested options for which requisite service period has not been rendered but that are expected to vest based on achievement of performance condition, if forfeitures are recognized when they occur." } } }, "auth_ref": [ "r367" ] }, "us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardAwardTypeAndPlanNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementsByShareBasedPaymentAwardAwardTypeAndPlanNameDomain", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationNarrativeDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofAllocationofCompensationExpenseDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofPerformanceSharesUnitsDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofRestrictedStockActivityDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofUnrecognizedCompensationCostDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetails","http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Award Type [Domain]", "label": "Award Type [Domain]", "documentation": "Award under share-based payment arrangement." } } }, "auth_ref": [ "r348", "r349", "r350", "r351", "r352", "r353", "r354", "r355", "r356", "r357", "r358", "r359", "r360", "r361", "r362", "r363", "r364", "r365", "r366", "r367", "r368", "r369", "r370", "r371", "r372", "r373" ] }, "us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsExercisesInPeriodWeightedAverageExercisePrice": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsExercisesInPeriodWeightedAverageExercisePrice", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Options exercised (in dollars per share)", "label": "Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Exercises in Period, Weighted Average Exercise Price", "documentation": "Weighted average price at which option holders acquired shares when converting their stock options into shares." } } }, "auth_ref": [ "r356" ] }, "us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsExpirationsInPeriodWeightedAverageExercisePrice": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsExpirationsInPeriodWeightedAverageExercisePrice", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Options expired / forfeited (in dollars per share)", "label": "Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Expirations in Period, Weighted Average Exercise Price", "documentation": "Weighted average price at which grantees could have acquired the underlying shares with respect to stock options of the plan that expired." } } }, "auth_ref": [ "r358" ] }, "us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsGrantsInPeriodWeightedAverageExercisePrice":
```

{ "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsGrantsInPeriodWeightedAverageExercisePrice", "presentation": ["http://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetails"], "lang": { "en-us": { "role": { "terseLabel": "Options granted (in dollars per share)", "label": "Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Grants in Period, Weighted Average Exercise Price", "documentation": "Weighted average per share amount at which grantees can acquire shares of common stock by exercise of options." } } }, "auth_ref": ["r355"] }, "us-gaap_ShareBasedCompensationPerformanceSharesAwardOutstandingActivityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationPerformanceSharesAwardOutstandingActivityTableTextBlock", "presentation": ["http://www.advancedemissionssolutions.com/role/StockBasedCompensationTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Performance Shares Units", "label": "Share-Based Payment Arrangement, Performance Shares, Outstanding Activity [Table Text Block]", "documentation": "Tabular disclosure of the number and weighted-average grant date fair value for outstanding performance shares." } } }, "auth_ref": ["r14"] }, "us-gaap_SharePrice": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SharePrice", "presentation": ["http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails"], "lang": { "en-us": { "role": { "terseLabel": "Share price (amount per shares)", "label": "Share Price", "documentation": "Price of a single share of a number of saleable stocks of a company." } } }, "auth_ref": [] }, "us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardEquityInstrumentsOtherThanOptionsAggregateIntrinsicValueOutstanding": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SharebasedCompensationArrangementBySharebasedPaymentAwardEquityInstrumentsOtherThanOptionsAggregateIntrinsicValueOutstanding", "crdr": "debit", "presentation": ["http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofPerformanceSharesUnitsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Outstanding, aggregate intrinsic value", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Aggregate Intrinsic Value, Outstanding", "documentation": "Intrinsic value of outstanding award under share-based payment arrangement. Excludes share and unit options." } } }, "auth_ref": [] }, "us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsExercisableIntrinsicValue1": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsExercisableIntrinsicValue1", "crdr": "debit", "presentation": ["http://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetails"], "lang": { "en-us": { "role": { "terseLabel": "Options exercisable, intrinsic value", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercisable, Intrinsic Value", "documentation": "Amount of difference between fair value of the underlying shares reserved for issuance and exercise price of vested portions of options outstanding and currently exercisable." } } }, "auth_ref": ["r45"] }, "us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsExercisableWeightedAverageRemainingContractualTerm1": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsExercisableWeightedAverageRemainingContractualTerm1", "presentation": ["http://www.advancedemissionssolutions.com/role/StockBasedCompensationNarrativeDetails", "http://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetails"], "lang": { "en-us": { "role": { "terseLabel": "Options exercisable, weighted average remaining contractual term (in years)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercisable, Weighted Average Remaining Contractual Term", "documentation": "Weighted average remaining contractual term for vested portions of options outstanding and currently exercisable or convertible, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days." } } }, "auth_ref": ["r45"] }, "us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsOutstandingWeightedAverageRemainingContractualTerm2": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsOutstandingWeightedAverageRemainingContractualTerm2", "presentation": ["http://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetails"], "lang": { "en-us": { "role": { "terseLabel": "Options outstanding, weighted average remaining contractual term (in years)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Remaining Contractual Term", "documentation": "Weighted average remaining contractual term for option awards outstanding, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days." } } }, "auth_ref": ["r113"] }, "us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsVestedAndExpectedToVestOutstandingWeightedAverageRemainingContractualTerm1": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsVestedAndExpectedToVestOutstandingWeightedAverageRemainingContractualTerm1", "presentation": ["http://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetails"], "lang": { "en-us": { "role": { "terseLabel": "Options vested, weighted average remaining contractual term (in years)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested and Expected to Vest, Outstanding, Weighted Average Remaining Contractual Term", "documentation": "Weighted average remaining contractual term for fully vested and expected to vest options outstanding, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. Includes, but is not limited to, unvested options for which requisite service period has not been rendered but that are expected to vest based on achievement of performance condition, if forfeitures are recognized when they occur." } } }, "auth_ref": ["r367"] }, "us-gaap_SharesIssuedPricePerShare": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SharesIssuedPricePerShare", "presentation": ["http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Shares issued (in dollars per share)", "label": "Shares Issued, Price Per Share", "documentation": "Per share or per unit amount of equity securities issued." } } }, "auth_ref": [] }, "us-gaap_SharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SharesOutstanding", "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity"], "lang": { "en-us": { "role": { "periodStartLabel": "Beginning balance (in shares)", "periodEndLabel": "Ending balance (in shares)", "label": "Shares, Outstanding", "documentation": "Number of shares issued which are neither cancelled nor held in the treasury." } } }, "auth_ref": [] }, "us-gaap_SharesPaidForTaxWithholdingForShareBasedCompensation": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SharesPaidForTaxWithholdingForShareBasedCompensation", "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Repurchase of common shares to satisfy minimum tax withholdings (in shares)", "label": "Share-Based Payment Arrangement, Shares Withheld for Tax Withholding Obligation", "documentation": "Number of shares used to settle grantee's tax withholding obligation for award under share-based payment arrangement." } } }, "auth_ref": [] }, "us-gaap_ShortTermLeaseCost": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShortTermLeaseCost", "crdr": "debit", "calculation": { "http://www.advancedemissionssolutions.com/role/LeasesScheduleofLeaseLiabilitiesDetails": { "parentTag": "us-gaap_LeaseCost", "weight": 1.0, "order": 4.0 } }, "presentation": ["http://www.advancedemissionssolutions.com/role/LeasesScheduleofLeaseLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Short-term lease cost", "label": "Short-Term Lease, Cost", "documentation": "Amount of short-term lease cost, excluding expense for lease with term of one month or less." } } }, "auth_ref": ["r455", "r690"] }, "us-gaap_StatementClassOfStockAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StatementClassOfStockAxis", "presentation": ["http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Class of Stock [Axis]", "label": "Class of Stock [Axis]", "documentation": "Information by the different classes of stock of the entity." } } }, "auth_ref": ["r142", "r153", "r154", "r155", "r172", "r196", "r197", "r204", "r206", "r212", "r213", "r235", "r271", "r273", "r274", "r275", "r278", "r279", "r310", "r311", "r314", "r317", "r324", "r432", "r543", "r544", "r545", "r546", "r549", "r550", "r551", "r552", "r553", "r554", "r555", "r556", "r557", "r558", "r559", "r560", "r574", "r595", "r615", "r630", "r631", "r632", "r633", "r634", "r803", "r828", "r835"] }, "us-gaap_StatementEquityComponentsAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StatementEquityComponentsAxis", "presentation": ["http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails", "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity", "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails", "http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails"], "lang": { "en-us": { "role": { "terseLabel": "Equity Components [Axis]", "label": "Equity Components [Axis]", "documentation": "Information by component of equity." } } }, "auth_ref": ["r10", "r74", "r78", "r79", "r143", "r161", "r162", "r163", "r179", "r180", "r181", "r183", "r188", "r190", "r192", "r211", "r236", "r237", "r250", "r326", "r390", "r391", "r398", "r399", "r400", "r402", "r408", "r409", "r415", "r416", "r417", "r418", "r419", "r420", "r422", "r433", "r434", "r435", "r436", "r437", "r438", "r441", "r443", "r463", "r521", "r535", "r536", "r537", "r549", "r615"] }, "srt_StatementGeographicalAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "StatementGeographicalAxis", "presentation": ["http://www.advancedemissionssolutions.com/role/RevenuesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Geographical [Axis]", "label": "Geographical [Axis]" } } }, "auth_ref": ["r226", "r227", "r477", "r478", "r479", "r480", "r481", "r482", "r483", "r484", "r485", "r486", "r487", "r488", "r489", "r490", "r491", "r492", "r493", "r494", "r495", "r496", "r497", "r498", "r499", "r500", "r501", "r502", "r503", "r504", "r505", "r506", "r561", "r562", "r563", "r622", "r624", "r627", "r629", "r636", "r638", "r639", "r640", "r641", "r642", "r643", "r644", "r645", "r646", "r651", "r673", "r692", "r693", "r694", "r695", "r696", "r697", "r698", "r699", "r703", "r708", "r873", "r908", "r910", "r911", "r913", "r914", "r915", "r916", "r917", "r918", "r919", "r920", "r921", "r922", "r923", "r924", "r925", "r926", "r927", "r928", "r929", "r930", "r931", "r932", "r933", "r934", "r935", "r936", "r937"] }, "us-gaap_StatementLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StatementLineItems", "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows", "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity"], "lang": { "en-us": { "role": { "terseLabel": "Statement [Line Items]", "label": "Statement [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r179", "r180", "r181", "r211", "r443", "r474", "r542", "r560", "r566", "r567", "r568", "r569", "r570", "r571", "r574", "r577", "r578", "r579", "r580", "r581", "r582", "r583", "r584", "r585", "r587", "r588", "r589", "r590", "r591", "r593", "r596", "r597", "r601", "r602", "r603", "r604", "r605", "r606", "r607", "r608", "r609", "r610", "r611", "r612", "r615", "r709"] }, "us-gaap_StatementOfCashFlowsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StatementOfCashFlowsAbstract", "lang": { "en-us": { "role": { "terseLabel": "Statement of Cash Flows [Abstract]", "label": "Statement of Cash Flows [Abstract]" } } }, "auth_ref": [] }, "us-gaap_StatementOfFinancialPositionAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StatementOfFinancialPositionAbstract", "lang": { "en-us": { "role": { "terseLabel": "Balance Sheet", "label": "Statement of Financial Position [Abstract]" } } }, "auth_ref": [] }, "us-gaap_StatementOfStockholdersEquityAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StatementOfStockholdersEquityAbstract", "lang": { "en-us": { "role": { "terseLabel": "Statement of Stockholders' Equity [Abstract]", "label": "Statement of Stockholders' Equity [Abstract]" } } }, "auth_ref": [] }, "us-gaap_StatementTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StatementTable", "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofCashFlows", "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity"], "lang": { "en-us": { "role": { "terseLabel": "Statement [Table]", "label": "Statement [Table]", "documentation": "Disclosure of information about statement of comprehensive income, income, other comprehensive income, financial position, cash flows, and shareholders' equity." } } }, "auth_ref": ["r179", "r180", "r181", "r211", "r229", "r443", "r474", "r542", "r560", "r566", "r567", "r568", "r569", "r570", "r571", "r574", "r577", "r578", "r579", "r580", "r581", "r582", "r583", "r584", "r585", "r587", "r588", "r589", "r590", "r591", "r593", "r596", "r597", "r601", "r602", "r603", "r604", "r605", "r606", "r607", "r608", "r609", "r610", "r611", "r612", "r615", "r709"] }, "ecd_StkPrcOrTsrEstimationMethodTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "StkPrcOrTsrEstimationMethodTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Stock Price or TSR Estimation Method", "label": "Stock Price or TSR Estimation Method [Text Block]" } } }, "auth_ref": ["r726", "r736", "r746", "r778"] }, "us-gaap_StockAppreciationRightsSARSMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockAppreciationRightsSARSMember", "presentation": ["http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure"], "lang": { "en-us": { "role": { "terseLabel": "Stock Appreciation Rights (SARs)", "label": "Stock Appreciation Rights (SARs) [Member]", "documentation": "Right to receive cash or shares equal to appreciation of predetermined number of grantor's shares during predetermined time period." } } }, "auth_ref": [] }, "us-gaap_StockIssuedDuringPeriodSharesAcquisitions": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockIssuedDuringPeriodSharesAcquisitions", "presentation": ["http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity"], "lang": { "en-us": { "role": { "terseLabel": "Issuance of common stock pursuant to Arq Acquisition, net of offering costs (in shares)", "label": "Stock Issued During Period, Shares, Acquisitions", "documentation": "Number of shares of stock issued during the period pursuant to acquisitions." } } }, "auth_ref": ["r73", "r74", "r111"] }, "ades_StockIssuedDuringPeriodSharesConversionOfPreferredStock": { "xbrltype": "sharesItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "StockIssuedDuringPeriodSharesConversionOfPreferredStock", "presentation": [

```
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity" ], "lang": { "en-us": { "role": { "terseLabel": "Issuance of common stock upon conversion of preferred stock (in shares)", "label": "Stock Issued During Period, Shares, Conversion of Preferred Stock", "documentation": "Stock Issued During Period, Shares, Conversion of Preferred Stock" } } }, "auth_ref": [] }, "us-gaap_StockIssuedDuringPeriodSharesNewIssues": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockIssuedDuringPeriodSharesNewIssues", "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity",
"http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails" ], "lang": { "en-us": { "role": { "verboseLabel": "Issuance of common stock in public offering, net of offering costs (in shares)", "terseLabel": "Issuance of common stock pursuant to Arq Acquisition, net of offering costs (in shares)", "label": "Stock Issued During Period, Shares, New Issues", "documentation": "Number of new stock issued during the period." } } }, "auth_ref": [ "r10", "r73", "r74", "r111", "r543", "r615", "r631" ] },
"ades_StockIssuedDuringPeriodSharesPrivatePlacementNet": { "xbrltype": "sharesItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "StockIssuedDuringPeriodSharesPrivatePlacementNet", "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity" ], "lang": { "en-us": { "role": { "terseLabel": "Issuance of common stock related to private placement transaction, net of offering costs (in shares)", "label": "Stock Issued During Period, Shares, Private Placement, Net", "documentation": "Stock Issued During Period, Shares, Private Placement, Net" } } }, "auth_ref": [] }, "ades_StockIssuedDuringPeriodSharesRelatedParty": { "xbrltype": "sharesItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "StockIssuedDuringPeriodSharesRelatedParty", "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity" ], "lang": { "en-us": { "role": { "terseLabel": "Issuance of common stock to related party (in shares)", "label": "Stock Issued During Period, Shares, Related Party", "documentation": "Stock Issued During Period, Shares, Related Party" } } }, "auth_ref": [] }, "us-gaap_StockIssuedDuringPeriodSharesShareBasedCompensation": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockIssuedDuringPeriodSharesShareBasedCompensation", "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity" ], "lang": { "en-us": { "role": { "terseLabel": "Stock-based compensation (in shares)", "label": "Shares Issued, Shares, Share-Based Payment Arrangement, after Forfeiture", "documentation": "Number, after forfeiture, of shares or units issued under share-based payment arrangement. Excludes shares or units issued under employee stock ownership plan (ESOP)." } } }, "auth_ref": [ "r10", "r73", "r74", "r111" ] }, "us-gaap_StockIssuedDuringPeriodSharesStockOptionsExercised": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockIssuedDuringPeriodSharesStockOptionsExercised", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationSummaryofOptionActivityDetails" ], "lang": { "en-us": { "role": { "negatedLabel": "Options exercised (in shares)", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercises in Period", "documentation": "Number of share options (or share units) exercised during the current period." } } }, "auth_ref": [ "r10", "r73", "r74", "r111", "r356" ] },
"ades_StockIssuedDuringPeriodSharesWarrantExercised": { "xbrltype": "sharesItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "StockIssuedDuringPeriodSharesWarrantExercised", "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity",
"http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Exercise of warrant, net (in shares)", "label": "Stock Issued During Period, Shares, Warrant Exercised", "documentation": "Stock Issued During Period, Shares, Warrant Exercised" } } }, "auth_ref": [] }, "us-gaap_StockIssuedDuringPeriodValueAcquisitions": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockIssuedDuringPeriodValueAcquisitions", "crdr": "credit", "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity" ], "lang": { "en-us": { "role": { "terseLabel": "Issuance of common stock pursuant to Arq Acquisition, net of offering costs", "label": "Stock Issued During Period, Value, Acquisitions", "documentation": "Value of stock issued pursuant to acquisitions during the period." } } }, "auth_ref": [ "r10", "r74", "r78", "r79", "r111" ] }, "ades_StockIssuedDuringPeriodValueConversionOfPreferredStock": { "xbrltype": "monetaryItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "StockIssuedDuringPeriodValueConversionOfPreferredStock", "crdr": "credit", "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity" ], "lang": { "en-us": { "role": { "terseLabel": "Issuance of common stock upon conversion of preferred stock", "label": "Stock Issued During Period, Value, Conversion of Preferred Stock", "documentation": "Stock Issued During Period, Value, Conversion of Preferred Stock" } } }, "auth_ref": [] }, "us-gaap_StockIssuedDuringPeriodValueNewIssues": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockIssuedDuringPeriodValueNewIssues", "crdr": "credit", "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity",
"http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails" ], "lang": { "en-us": { "role": { "verboseLabel": "Issuance of common stock in public offering, net of offering costs", "terseLabel": "Issuance of common stock pursuant to Arq Acquisition, net of offering costs", "label": "Stock Issued During Period, Value, New Issues", "documentation": "Equity impact of the value of new stock issued during the period. Includes shares issued in an initial public offering or a secondary public offering." } } },
"auth_ref": [ "r10", "r73", "r74", "r111", "r549", "r615", "r631", "r715" ] }, "ades_StockIssuedDuringPeriodValuePrivatePlacementNet": { "xbrltype": "monetaryItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "StockIssuedDuringPeriodValuePrivatePlacementNet", "crdr": "credit", "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity" ], "lang": { "en-us": { "role": { "terseLabel": "Issuance of common stock related to private placement transaction, net of offering costs", "label": "Stock Issued During Period, Value, Private Placement, Net", "documentation": "Stock Issued During Period, Value, Private Placement, Net" } } }, "auth_ref": [] }, "ades_StockIssuedDuringPeriodValueRelatedParty": { "xbrltype": "monetaryItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "StockIssuedDuringPeriodValueRelatedParty", "crdr": "credit", "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity" ], "lang": { "en-us": { "role": { "terseLabel": "Issuance of common stock to related party", "label": "Stock Issued During Period, Value, Related Party", "documentation": "Stock Issued During Period, Value, Related Party" } } },
"auth_ref": [] }, "us-gaap_StockIssuedDuringPeriodValueShareBasedCompensation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockIssuedDuringPeriodValueShareBasedCompensation", "crdr": "credit", "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity" ], "lang": { "en-us": { "role": { "terseLabel": "Stock-based compensation", "label": "Shares Issued, Value, Share-Based Payment Arrangement, after Forfeiture", "documentation": "Value, after forfeiture, of shares issued under share-based payment arrangement. Excludes employee stock ownership plan (ESOP)." } } }, "auth_ref": [ "r46", "r73", "r74", "r111" ] }, "us-gaap_StockRepurchaseProgramRemainingAuthorizedRepurchaseAmount1": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockRepurchaseProgramRemainingAuthorizedRepurchaseAmount1", "crdr": "credit", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Remaining authorized amount", "label": "Share Repurchase Program, Remaining Authorized, Amount", "documentation": "Amount remaining authorized for purchase of share under share repurchase plan. Includes, but is not limited to, repurchase of stock and unit of ownership." } } }, "auth_ref": [] }, "us-gaap_StockRepurchasedDuringPeriodShares": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockRepurchasedDuringPeriodShares", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Stock repurchased (in shares)", "label": "Stock Repurchased During Period, Shares", "documentation": "Number of shares that have been repurchased during the period and have not been retired and are not held in treasury. Some state laws may govern the circumstances under which an entity may acquire its own stock and prescribe the accounting treatment therefore. This element is used when state law does not recognize treasury stock." } } }, "auth_ref": [ "r10", "r73", "r74", "r111", "r546", "r615", "r633" ] }, "us-gaap_StockholdersEquity": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockholdersEquity", "crdr": "credit", "calculation": {
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesAndStockholdersEquity", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets",
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity" ], "lang": { "en-us": { "role": { "totalLabel": "Total Stockholders\u2019 Equity", "periodStartLabel": "Beginning balance", "periodEndLabel": "Ending balance", "label": "Equity, Attributable to Parent", "documentation": "Amount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest." } } }, "auth_ref": [ "r74", "r78", "r79", "r101", "r576", "r592", "r616", "r617", "r691", "r716", "r830", "r845", "r890", "r940" ] }, "us-gaap_StockholdersEquityAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockholdersEquityAbstract", "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets" ], "lang": { "en-us": { "role": { "terseLabel": "Stockholders\u2019 equity:", "label": "Equity, Attributable to Parent [Abstract]" } } }, "auth_ref": [] }, "us-gaap_StockholdersEquityNoteDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockholdersEquityNoteDisclosureTextBlock", "presentation": [
"http://www.advancedemissionssolutions.com/role/StockholdersEquity" ], "lang": { "en-us": { "role": { "terseLabel": "Stockholders' Equity", "label": "Equity [Text Block]", "documentation": "The entire disclosure for equity." } } }, "auth_ref": [ "r107", "r171", "r309", "r311", "r313", "r314", "r315", "r316", "r317", "r318", "r319", "r320", "r321", "r323", "r326", "r421", "r618", "r619", "r635" ] }, "us-gaap_SubsequentEventsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SubsequentEventsAbstract", "lang": { "en-us": { "role": { "terseLabel": "Subsequent Events [Abstract]", "label": "Subsequent Events [Abstract]" } } }, "auth_ref": [] }, "us-gaap_SubsequentEventsTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SubsequentEventsTextBlock", "presentation": [
"http://www.advancedemissionssolutions.com/role/SubsequentEvents" ], "lang": { "en-us": { "role": { "terseLabel": "Subsequent Events", "label": "Subsequent Events [Text Block]", "documentation": "The entire disclosure for significant events or transactions that occurred after the balance sheet date through the date the financial statements were issued or the date the financial statements were available to be issued. Examples include: the sale of a capital stock issue, purchase of a business, settlement of litigation, catastrophic loss, significant foreign exchange rate changes, loans to insiders or affiliates, and transactions not in the ordinary course of business." } } },
"auth_ref": [ "r468", "r469" ] }, "us-gaap_SubsidiarySaleOfStockAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SubsidiarySaleOfStockAxis", "presentation": [ "http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Sale of Stock [Axis]", "label": "Sale of Stock [Axis]", "documentation": "Information by type of sale of the entity's stock." } } }, "auth_ref": [] },
"ades_SupplyAgreementPerformanceBond": { "xbrltype": "monetaryItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "SupplyAgreementPerformanceBond", "crdr": "debit", "presentation": [ "http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Supply agreement performance bond", "label": "Supply Agreement Performance Bond", "documentation": "Supply Agreement Performance Bond" } } }, "auth_ref": [] }, "ades_SuretyAgreementBondAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "SuretyAgreementBondAmount", "crdr": "debit", "presentation": [ "http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Surety bond amount", "label": "Surety Agreement, Bond Amount", "documentation": "Surety Agreement, Bond Amount" } } },
"auth_ref": [] }, "ecd_TabularListTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "TabularListTableTextBlock", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Tabular List, Table", "label": "Tabular List [Table Text Block]" } } },
"auth_ref": [ "r772" ] }, "us-gaap_TaxesPayableCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "TaxesPayableCurrent", "crdr": "credit", "calculation": { "http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails": { "parentTag": "us-gaap_OtherLiabilitiesCurrent", "weight": 1.0, "order": 2.0 } }, "presentation": [
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Sales, use and other taxes payable", "label": "Taxes Payable, Current", "documentation": "Carrying value as of the balance sheet date of obligations incurred and payable for statutory income, sales, use, payroll, excise, real, property and other taxes. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)." } } }, "auth_ref": [ "r63", "r64" ] }, "us-gaap_TemporaryEquityParOrStatedValuePerShare": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "TemporaryEquityParOrStatedValuePerShare", "presentation": [
"http://www.advancedemissionssolutions.com/role/ArqAcquisitionNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Temporary equity, par value (in dollars per share)", "label": "Temporary Equity, Par or Stated Value Per Share", "documentation": "Per share amount of par value or stated value of stock classified as temporary equity. Temporary equity is a security with redemption features that are outside the control of the issuer, is not classified as an asset or liability in conformity with GAAP, and is not mandatorily redeemable." } } }, "auth_ref": [ "r16", "r36" ] }, "ades_ThroughJanuary2026Member": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "ThroughJanuary2026Member", "presentation": [
"http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Through January 2026", "label": "Through January 2026 [Member]", "documentation": "Through January 2026" } } }, "auth_ref": [] }, "ades_TinuumGroupLLCMember": { "xbrltype": "domainItemType", "nsuri":
```

```
"http://www.advancedemissionssolutions.com/20240930", "localname": "TinuumGroupLLCMember", "presentation": [
"http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails",
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationNarrativeDetails",
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLiabilitiesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Tinuum Group, LLC", "label": "Tinuum Group, LLC [Member]", "documentation": "Tinuum Group, LLC [Member]" } } }, "auth_ref": [] }, "ecd_TotalShareholderRtnAmt": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "TotalShareholderRtnAmt", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Total Shareholder Return Amount", "label": "Total Shareholder Return Amount" } } }, "auth_ref": [ "r764" ] },
"ecd_TotalShareholderRtnVsPeerGroupTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname":
"TotalShareholderRtnVsPeerGroupTextBlock", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Total Shareholder Return Vs Peer Group", "label": "Total Shareholder Return Vs Peer Group [Text Block]" } } }, "auth_ref": [ "r771" ] }, "us-gaap_TradeAccountsReceivableMember": {
"xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "TradeAccountsReceivableMember", "presentation": [
"http://www.advancedemissionssolutions.com/role/RevenuesScheduleofAccountsReceivablesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Trade and other receivables, net", "label": "Trade Accounts Receivable [Member]", "documentation": "Amount due from customers or clients for goods or services that have been delivered or sold in the normal course of business." } } }, "auth_ref": [] }, "ecd_TradingArrAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "TradingArrAxis", "presentation": [ "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" ], "lang": { "en-us": { "role": { "terseLabel": "Trading Arrangement:", "label": "Trading Arrangement [Axis]" } } }, "auth_ref": [ "r791" ] }, "ecd_TradingArrByIndTable": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname":
"TradingArrByIndTable", "presentation": [ "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" ], "lang": { "en-us": { "role": { "terseLabel": "Trading Arrangements, by Individual", "label": "Trading Arrangements, by Individual [Table]" } } }, "auth_ref": [ "r793" ] }, "dei_TradingSymbol": { "xbrltype": "tradingSymbolItemType", "nsuri":
"http://xbrl.sec.gov/dei/2024", "localname": "TradingSymbol", "presentation": [ "http://www.advancedemissionssolutions.com/role/CoverPage" ], "lang": { "en-us": { "role": {
"terseLabel": "Trading Symbol", "label": "Trading Symbol", "documentation": "Trading symbol of an instrument as listed on an exchange." } } }, "auth_ref": [] },
"ecd_TrdArrAdoptionDate": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "TrdArrAdoptionDate", "presentation": [
"http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" ], "lang": { "en-us": { "role": { "terseLabel": "Adoption Date", "label": "Trading Arrangement Adoption Date" } } },
"auth_ref": [ "r794" ] }, "ecd_TrdArrDuration": { "xbrltype": "durationItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "TrdArrDuration", "presentation": [
"http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" ], "lang": { "en-us": { "role": { "terseLabel": "Arrangement Duration", "label": "Trading Arrangement Duration" } } },
"auth_ref": [ "r795" ] }, "ecd_TrdArrExpirationDate": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "TrdArrExpirationDate",
"presentation": [ "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" ], "lang": { "en-us": { "role": { "terseLabel": "Expiration Date", "label": "Trading Arrangement Expiration Date" } } }, "auth_ref": [ "r795" ] }, "ecd_TrdArrIndName": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "TrdArrIndName",
"presentation": [ "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" ], "lang": { "en-us": { "role": { "terseLabel": "Name", "label": "Trading Arrangement, Individual Name" } } }, "auth_ref": [ "r793" ] }, "ecd_TrdArrIndTitle": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "TrdArrIndTitle",
"presentation": [ "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" ], "lang": { "en-us": { "role": { "terseLabel": "Title", "label": "Trading Arrangement, Individual Title" } } }, "auth_ref": [ "r793" ] }, "ecd_TrdArrSecuritiesAggAvailAmt": { "xbrltype": "sharesItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname":
"TrdArrSecuritiesAggAvailAmt", "presentation": [ "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" ], "lang": { "en-us": { "role": { "terseLabel": "Aggregate Available", "label": "Trading Arrangement, Securities Aggregate Available Amount" } } }, "auth_ref": [ "r796" ] }, "ecd_TrdArrTerminationDate": { "xbrltype": "stringItemType", "nsuri":
"http://xbrl.sec.gov/ecd/2024", "localname": "TrdArrTerminationDate", "presentation": [ "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" ], "lang": { "en-us": { "role": { "terseLabel": "Termination Date", "label": "Trading Arrangement Termination Date" } } }, "auth_ref": [ "r794" ] }, "us-gaap_TreasuryStockCommonMember": { "xbrltype":
"domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "TreasuryStockCommonMember", "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity" ], "lang": { "en-us": { "role": { "terseLabel": "Treasury Stock", "label": "Treasury Stock, Common [Member]", "documentation": "Previously issued common shares repurchased by the issuing entity and held in treasury." } } },
"auth_ref": [ "r43" ] }, "us-gaap_TreasuryStockCommonShares": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"TreasuryStockCommonShares", "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheetsParenthetical",
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofChangesinStockholdersEquity" ], "lang": { "en-us": { "role": { "terseLabel": "Treasury stock (in shares)", "negatedPeriodStartLabel": "Beginning balance (in shares)", "negatedPeriodEndLabel": "Ending balance (in shares)", "label": "Treasury Stock, Common, Shares", "documentation": "Number of previously issued common shares repurchased by the issuing entity and held in treasury." } } }, "auth_ref": [ "r43" ] }, "us-gaap_TreasuryStockCommonValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "TreasuryStockCommonValue", "crdr": "debit",
"calculation": { "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_StockholdersEquity", "weight": -1.0, "order": 5.0 } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedBalanceSheets" ], "lang": { "en-us": { "role": {
"negatedTerseLabel": "Treasury stock, at cost: 4,618,146 and 4,618,146 shares as of September\u00a030, 2024 and December 31, 2023, respectively", "label": "Treasury Stock, Common, Value", "documentation": "Amount allocated to previously issued common shares repurchased by the issuing entity and held in treasury." } } }, "auth_ref": [ "r43", "r44", "r78" ] }, "ades_TriggeringEventAxis": { "xbrltype": "stringItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname":
"TriggeringEventAxis", "presentation": [ "http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails",
"http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails", "http://www.advancedemissionssolutions.com/role/IncomeTaxesNarrativeDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofPerformanceSharesUnitsDetails",
"http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Triggering Event [Axis]", "label": "Triggering Event [Axis]", "documentation": "Triggering Event" } } }, "auth_ref": [] }, "ades_TriggeringEventDomain": { "xbrltype": "domainItemType", "nsuri":
"http://www.advancedemissionssolutions.com/20240930", "localname": "TriggeringEventDomain", "presentation": [
"http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails",
"http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails", "http://www.advancedemissionssolutions.com/role/IncomeTaxesNarrativeDetails",
"http://www.advancedemissionssolutions.com/role/StockBasedCompensationScheduleofPerformanceSharesUnitsDetails",
"http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Triggering Event [Domain]", "label": "Triggering Event [Domain]", "documentation": "Triggering Event" } } }, "auth_ref": [] }, "ades_TriggeringEventLineItems": { "xbrltype": "stringItemType", "nsuri":
"http://www.advancedemissionssolutions.com/20240930", "localname": "TriggeringEventLineItems", "presentation": [
"http://www.advancedemissionssolutions.com/role/IncomeTaxesNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Triggering Event [Line Items]", "label":
"Triggering Event [Line Items]", "documentation": "Triggering Event" } } }, "auth_ref": [] }, "ades_TriggeringEventTable": { "xbrltype": "stringItemType", "nsuri":
"http://www.advancedemissionssolutions.com/20240930", "localname": "TriggeringEventTable", "presentation": [
"http://www.advancedemissionssolutions.com/role/IncomeTaxesNarrativeDetails" ], "lang": { "en-us": { "terseLabel": "Triggering Event [Table]", "label": "Triggering Event [Table]", "documentation": "Triggering Event" } } }, "auth_ref": [] }, "us-gaap_TypeOfArrangementAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "TypeOfArrangementAxis", "presentation": [ "http://www.advancedemissionssolutions.com/role/StockholdersEquityDetails" ], "lang": { "en-us": {
"role": { "terseLabel": "Collaborative Arrangement and Arrangement Other than Collaborative [Axis]", "label": "Collaborative Arrangement and Arrangement Other than Collaborative [Axis]", "documentation": "Information by collaborative arrangement and arrangement other than collaborative applicable to revenue-generating activity or operations." } } }, "auth_ref": [ "r410" ] }, "us-gaap_UnamortizedDebtIssuanceExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024",
"localname": "UnamortizedDebtIssuanceExpense", "crdr": "debit", "calculation": {
"http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails_1": { "parentTag": "us-
gaap_LongTermDebtAndCapitalLeaseObligationsIncludingCurrentMaturities", "weight": -1.0, "order": 2.0 } }, "presentation": [
"http://www.advancedemissionssolutions.com/role/DebtObligationsScheduleofDebtDetails" ], "lang": { "en-us": { "role": { "negatedLabel": "Unamortized debt issuance costs", "label": "Unamortized Debt Issuance Expense", "documentation": "The remaining balance of debt issuance expenses that were capitalized and are being amortized against income over the lives of the respective bond issues. This does not include the amounts capitalized as part of the cost of the utility plant or asset." } } }, "auth_ref": [] },
"ades_UnbilledReceivablesMember": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname":
"UnbilledReceivablesMember", "presentation": [ "http://www.advancedemissionssolutions.com/role/RevenuesScheduleofAccountsReceivablesDetails" ], "lang": { "en-us": {
"role": { "terseLabel": "Unbilled receivables", "label": "Unbilled Receivables [Member]", "documentation": "Unbilled Receivables" } } }, "auth_ref": [] },
"ecd_UndrlygSecurityMktPriceChngPct": { "xbrltype": "pureItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "UndrlygSecurityMktPriceChngPct",
"presentation": [ "http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Underlying Security Market Price Change", "label":
"Underlying Security Market Price Change, Percent" } } }, "auth_ref": [ "r790" ] }, "ades_UpfrontPaymentsFromContractWithCustomer": { "xbrltype": "monetaryItemType",
"nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "UpfrontPaymentsFromContractWithCustomer", "crdr": "debit", "calculation": {
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails": { "parentTag": "us-
gaap_OtherAssetsNoncurrent", "weight": 1.0, "order": 7.0 } }, "presentation": [
"http://www.advancedemissionssolutions.com/role/SupplementalFinancialInformationScheduleofOtherLongTermAssetsDetails" ], "lang": { "en-us": { "role": { "terseLabel":
"Upfront Customer Consideration", "label": "Upfront Payments from Contract with Customer", "documentation": "Upfront Payments from Contract with Customer" } } },
"auth_ref": [] }, "us-gaap_UseOfEstimates": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "UseOfEstimates", "presentation": [
"http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationPolicies" ], "lang": { "en-us": { "role": { "terseLabel": "Use of Estimates", "label": "Use of Estimates, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for the use of estimates in the preparation of financial statements in conformity with generally accepted accounting principles." } } }, "auth_ref": [ "r30", "r31", "r32", "r136", "r137", "r138", "r139" ] }, "us-gaap_VariableLeaseCost": { "xbrltype":
"monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "VariableLeaseCost", "crdr": "debit", "calculation": {
"http://www.advancedemissionssolutions.com/role/LeasesScheduleofLeaseLiabilitiesDetails": { "parentTag": "us-gaap_LeaseCost", "weight": 1.0, "order": 5.0 } },
"presentation": [ "http://www.advancedemissionssolutions.com/role/LeasesScheduleofLeaseLiabilitiesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Variable lease cost", "label": "Variable Lease, Cost", "documentation": "Amount of variable lease cost, excluded from lease liability, recognized when obligation for payment is incurred for finance and operating leases." } } }, "auth_ref": [ "r456", "r690" ] }, "us-gaap_VariableRateAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"VariableRateAxis", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel":
"Variable Rate [Axis]", "label": "Variable Rate [Axis]", "documentation": "Information by type of variable rate." } } }, "auth_ref": [] }, "us-gaap_VariableRateDomain": {
"xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "VariableRateDomain", "presentation": [
"http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Variable Rate [Domain]", "label": "Variable Rate [Domain]", "documentation": "Interest rate that fluctuates over time as a result of an underlying benchmark interest rate or index." } } }, "auth_ref": [] },
"ecd_VstngDtFrValOfEqtyAwrdsGrntdAndVstdInCvrdYrMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname":
"VstngDtFrValOfEqtyAwrdsGrntdAndVstdInCvrdYrMember", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Vesting Date Fair Value of Equity Awards Granted and Vested in Covered Year", "label": "Vesting Date Fair Value of Equity Awards Granted and Vested in Covered Year [Member]" } } },
"auth_ref": [ "r760" ] }, "us-gaap_WarrantsAndRightsOutstandingTerm": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"WarrantsAndRightsOutstandingTerm", "presentation": [ "http://www.advancedemissionssolutions.com/role/DebtObligationsNarrativeDetails" ], "lang": { "en-us": { "role": {
"terseLabel": "Term", "label": "Warrants and Rights Outstanding, Term", "documentation": "Period between issuance and expiration of outstanding warrant and right embodying unconditional obligation requiring redemption by transferring asset at specified or determinable date or upon event certain to occur, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days." } } }, "auth_ref": [ "r886", "r887", "r888" ] }, "us-
gaap_WeightedAverageNumberDilutedSharesOutstandingAdjustment": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":
"WeightedAverageNumberDilutedSharesOutstandingAdjustment", "calculation": {
"http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationScheduleofCalculationsofBasicandDilutedLossPerShareDetails": { "parentTag": "us-
gaap_WeightedAverageNumberOfDilutedSharesOutstanding", "weight": 1.0, "order": 2.0 } }, "presentation": [
"http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationScheduleofCalculationsofBasicandDilutedLossPerShareDetails" ], "lang": { "en-us": {
```

```
"role": { "terseLabel": "Add: dilutive effect of equity instruments (in shares)", "label": "Weighted Average Number of Shares Outstanding, Diluted, Adjustment", "documentation": "The sum of dilutive potential common shares or units used in the calculation of the diluted per-share or per-unit computation." } } }, "auth_ref": [ "r836" ] }, "us-gaap_WeightedAverageNumberOfDilutedSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "WeightedAverageNumberOfDilutedSharesOutstanding", "calculation": {
"http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationScheduleofCalculationsofBasicandDilutedLossPerShareDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": [ "http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations",
"http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationScheduleofCalculationsofBasicandDilutedLossPerShareDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Diluted (in shares)", "totalLabel": "Diluted weighted-average shares outstanding (in shares)", "label": "Weighted Average Number of Shares Outstanding, Diluted", "documentation": "The average number of shares or units issued and outstanding that are used in calculating diluted EPS or earnings per unit (EPU), determined based on the timing of issuance of shares or units in the period." } } }, "auth_ref": [ "r195", "r206" ] }, "us-gaap_WeightedAverageNumberOfSharesOutstandingBasic": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "WeightedAverageNumberOfSharesOutstandingBasic", "calculation": {
"http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationScheduleofCalculationsofBasicandDilutedLossPerShareDetails": { "parentTag": "us-gaap_WeightedAverageNumberOfDilutedSharesOutstanding", "weight": 1.0, "order": 1.0 } }, "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations",
"http://www.advancedemissionssolutions.com/role/OrganizationandBasisofPresentationScheduleofCalculationsofBasicandDilutedLossPerShareDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Basic (in shares)", "verboseLabel": "Basic weighted-average common shares outstanding (in shares)", "label": "Weighted Average Number of Shares Outstanding, Basic", "documentation": "Number of [basic] shares or units, after adjustment for contingently issuable shares or units and other shares or units not deemed outstanding, determined by relating the portion of time within a reporting period that common shares or units have been outstanding to the total time in that period." } } }, "auth_ref": [ "r193", "r206" ] }, "us-gaap_WeightedAverageNumberOfSharesOutstandingDilutedDisclosureItemsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "WeightedAverageNumberOfSharesOutstandingDilutedDisclosureItemsAbstract", "presentation": [
"http://www.advancedemissionssolutions.com/role/CondensedConsolidatedStatementsofOperations" ], "lang": { "en-us": { "role": { "terseLabel": "Weighted-average number of common shares outstanding:", "label": "Weighted Average Number of Shares Outstanding Reconciliation [Abstract]" } } }, "auth_ref": [] }, "ades_WestVirginiaMine4Member": { "xbrltype": "domainItemType", "nsuri": "http://www.advancedemissionssolutions.com/20240930", "localname": "WestVirginiaMine4Member", "presentation": [
"http://www.advancedemissionssolutions.com/role/CommitmentsandContingenciesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "West Virginia (\"Mine 4\")", "label": "West Virginia (\"Mine 4\") [Member]", "documentation": "West Virginia (\"Mine 4\")" } } }, "auth_ref": [] },
"ecd_YrEndFrValOfEqtyAwrdsGrntdInCvrdYrOutsdngAndUnvstdMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "YrEndFrValOfEqtyAwrdsGrntdInCvrdYrOutsdngAndUnvstdMember", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "terseLabel": "Year-end Fair Value of Equity Awards Granted in Covered Year that are Outstanding and Unvested", "label": "Year-end Fair Value of Equity Awards Granted in Covered Year that are Outstanding and Unvested [Member]" } } }, "auth_ref": [ "r750" ] } }, "std_ref": { "r0": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "30", "Paragraph": "7", "SubTopic": "30", "Topic": "805", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479637/805-30-30-7" }, "r1": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "30", "Paragraph": "8", "SubTopic": "30", "Topic": "805", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479637/805-30-30-8" }, "r2": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "SubTopic": "230", "Topic": "830", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477401/830-230-45-1" }, "r3": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "10", "SubTopic": "20", "Topic": "205", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483475/205-20-45-10" }, "r4": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "14", "Subparagraph": "(a)", "SubTopic": "10", "Topic": "230", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482740/230-10-45-14" }, "r5": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "2", "SubTopic": "405", "Topic": "942", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477787/942-405-45-2" }, "r6": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "28", "Subparagraph": "(a)", "SubTopic": "10", "Topic": "230", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482740/230-10-45-28" }, "r7": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "28", "Subparagraph": "(b)", "SubTopic": "10", "Topic": "230", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482740/230-10-45-28" }, "r8": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "5", "SubTopic": "10", "Topic": "360", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482130/360-10-45-5" }, "r9": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(b)", "SubTopic": "30", "Topic": "805", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479581/805-30-50-1" }, "r10": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "SubTopic": "10", "Topic": "505", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-2" }, "r11": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(d)", "SubTopic": "10", "Topic": "718", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r12": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(e)", "SubTopic": "10", "Topic": "718", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r13": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "SubTopic": "10", "Topic": "360", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482099/360-10-50-3" }, "r14": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "50", "Subparagraph": "(c)", "Paragraph": "2", "SubTopic": "10", "Topic": "718", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r15": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(22))", "SubTopic": "10", "Topic": "210", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r16": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(27))", "SubTopic": "10", "Topic": "210", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r17": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "210", "SubTopic": "10", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483489/210-10-50-1" }, "r18": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "230", "SubTopic": "10", "Section": "45", "Paragraph": "12", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482740/230-10-45-12" }, "r19": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "230", "SubTopic": "10", "Section": "45", "Paragraph": "14", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482740/230-10-45-14" }, "r20": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "230", "SubTopic": "10", "Section": "45", "Paragraph": "4", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482740/230-10-45-4" }, "r21": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "230", "SubTopic": "10", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482913/230-10-50-3" }, "r22": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "230", "SubTopic": "10", "Section": "50", "Paragraph": "4", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482913/230-10-50-4" }, "r23": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "230", "SubTopic": "10", "Section": "50", "Paragraph": "5", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482913/230-10-50-5" }, "r24": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "260", "SubTopic": "10", "Section": "45", "Paragraph": "11", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482689/260-10-45-11" }, "r25": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "260", "SubTopic": "10", "Section": "50", "Paragraph": "1", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482662/260-10-50-1" }, "r26": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "260", "SubTopic": "10", "Section": "50", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482662/260-10-50-2" }, "r27": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "275", "SubTopic": "10", "Section": "50", "Paragraph": "18", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482861/275-10-50-18" }, "r28": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "275", "SubTopic": "10", "Section": "50", "Paragraph": "18", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482861/275-10-50-18" }, "r29": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "275", "SubTopic": "10", "Section": "50", "Paragraph": "20", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482861/275-10-50-20" }, "r30": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "275", "SubTopic": "10", "Section": "50", "Paragraph": "4", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482861/275-10-50-4" }, "r31": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "275", "SubTopic": "10", "Section": "50", "Paragraph": "8", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482861/275-10-50-8" }, "r32": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "275", "SubTopic": "10", "Section": "50", "Paragraph": "9", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482861/275-10-50-9" }, "r33": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "360", "SubTopic": "10", "Section": "50", "Paragraph": "1", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482099/360-10-50-1" }, "r34": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "470", "SubTopic": "10", "Section": "50", "Paragraph": "5", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481544/470-10-50-5" }, "r35": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "470", "SubTopic": "20", "Section": "25", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481284/470-20-25-2" }, "r36": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "480", "SubTopic": "10", "Section": "S99", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480244/480-10-S99-1" }, "r37": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "505", "SubTopic": "10", "Section": "45", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481142/505-10-45-2" }, "r38": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "505", "SubTopic": "10", "Section": "50", "Paragraph": "10", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-10" }, "r39": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "505", "SubTopic": "10", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-3" }, "r40": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "505", "SubTopic": "10", "Section": "50", "Paragraph": "4", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-4" }, "r41": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "505", "SubTopic": "10", "Section": "50", "Paragraph": "5", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-5" }, "r42": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "505", "SubTopic": "10", "Section": "50", "Paragraph": "8", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-8" }, "r43": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "505", "SubTopic": "30", "Section": "45", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481549/505-30-45-1" }, "r44": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "505", "SubTopic": "30", "Section": "50", "Paragraph": "4", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481520/505-30-50-4" }, "r45": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "718", "SubTopic": "10", "Section": "50", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r46": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "718", "SubTopic": "10", "Section": "50", "Paragraph": "2", "Subparagraph": "(d)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r47": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "718", "SubTopic": "10", "Section": "50", "Paragraph": "2", "Subparagraph": "(h)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r48": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "805", "SubTopic": "10", "Section": "25", "Paragraph": "23", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479405/805-10-25-23" }, "r49": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "805", "SubTopic": "10", "Section": "50", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479328/805-10-50-2" }, "r50": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "805", "SubTopic": "10", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479328/805-10-50-3" }, "r51": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "805", "SubTopic": "10", "Section": "55", "Paragraph": "37", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479303/805-10-55-37" }, "r52": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "805", "SubTopic": "20", "Section": "50", "Paragraph": "1", "Subparagraph":
```

```
"(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479907/805-20-50-1" }, "r53": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "805", "SubTopic": "30", "Section": "25", "Paragraph": "6", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479668/805-30-25-6" }, "r54": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "825", "SubTopic": "10", "Section": "50", "Paragraph": "20", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482907/825-10-50-20" }, "r55": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "825", "SubTopic": "10", "Section": "50", "Paragraph": "21", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482907/825-10-50-21" }, "r56": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "850", "SubTopic": "10", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483326/850-10-50-1" }, "r57": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "850", "SubTopic": "10", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483326/850-10-50-3" }, "r58": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "942", "SubTopic": "470", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477734/942-470-50-3" }, "r59": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Name": "Accounting Standards Codification", "Topic": "942", "SubTopic": "470", "Section": "50", "Paragraph": "3", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477734/942-470-50-3" }, "r60": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "205", "SubTopic": "20", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org/205-20/tableOfContent" }, "r61": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "205", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "11", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483475/205-20-45-11" }, "r62": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "205", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5B", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483499/205-20-50-5B" }, "r63": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(19))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r64": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(20))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r65": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(21))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r66": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(22)(a)(1))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r67": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(22)(a)(5))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r68": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(22)(b))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r69": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(23))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r70": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(24))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r71": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(25))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r72": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(26))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r73": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(28))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r74": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(29))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r75": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(3))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r76": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(30)(a)(1))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r77": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(30)(a)(3))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r78": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(30))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r79": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(31))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r80": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(32))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r81": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(4))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r82": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(6)(a))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r83": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(6)(b))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r84": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(6)(c))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r85": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03(10))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483621/220-10-S99-2" }, "r86": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03(12))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483621/220-10-S99-2" }, "r87": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03(2)(a))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483621/220-10-S99-2" }, "r88": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03(2)(d))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483621/220-10-S99-2" }, "r89": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03(20))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483621/220-10-S99-2" }, "r90": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03(4))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483621/220-10-S99-2" }, "r91": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03(7))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483621/220-10-S99-2" }, "r92": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03(9))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483621/220-10-S99-2" }, "r93": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "12", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482740/230-10-45-12" }, "r94": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "15", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482740/230-10-45-15" }, "r95": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "24", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482740/230-10-45-24" }, "r96": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "25", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482740/230-10-45-25" }, "r97": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "28", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482740/230-10-45-28" }, "r98": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "235", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org/235/tableOfContent" }, "r99": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "250", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org/250/tableOfContent" }, "r100": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "275", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org/275/tableOfContent" }, "r101": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "310", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SAB Topic 4.E)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480418/310-10-S99-2" }, "r102": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "360", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482099/360-10-50-3" }, "r103": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "440", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org/440/tableOfContent" }, "r104": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "460", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org/460/tableOfContent" }, "r105": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "470", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org/470/tableOfContent" }, "r106": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "480", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(02)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480244/480-10-S99-1" }, "r107": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "505", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org/505/tableOfContent" }, "r108": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-6" }, "r109": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-6" }, "r110": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-7" }, "r111": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.3-04)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480008/505-10-S99-1" }, "r112": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r113": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "718", "SubTopic": "10", "Subparagraph": "(e)(1)", "Name": "Accounting Standards Codification", "Paragraph": "2", "Section": "50", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r114": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "718", "SubTopic": "10", "Subparagraph": "(i)", "Name": "Accounting Standards Codification", "Paragraph": "2", "Section": "50", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r115": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "805", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org/805/tableOfContent" }, "r116": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "805", "SubTopic": "20", "Name": "Accounting Standards Codification", "Paragraph": "1", "Section": "50", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479907/805-20-50-1" }, "r117": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "805", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "38", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479876/805-20-55-38" }, "r118": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "805", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "35", "Paragraph": "1", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479613/805-30-35-1" }, "r119": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "805", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(b)(4)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479581/805-30-50-1" }, "r120": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "810", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org/810/tableOfContent" }, "r121": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "942", "SubTopic": "210", "Name": "Accounting Standards
```

Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.9-03(11))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478546/942-210-S99-1" }, "r122": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "942", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.9-03(13))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478546/942-210-S99-1" }, "r123": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "942", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.9-03(16))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478546/942-210-S99-1" }, "r124": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "942", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.9-03(17))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478546/942-210-S99-1" }, "r125": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "942", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.9-03(23))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478546/942-210-S99-1" }, "r126": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "942", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.9-04(13)(f))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478524/942-220-S99-1" }, "r127": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "942", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.9-04(15))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478524/942-220-S99-1" }, "r128": { "role": "http://fasb.org/us-gaap/role/ref/legacyRef", "Topic": "942", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.9-04(22))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478524/942-220-S99-1" }, "r129": { "role": "http://fasb.org/us-gaap/role/ref/otherTransitionRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "32", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482810/280-10-50-32" }, "r130": { "role": "http://fasb.org/us-gaap/role/ref/otherTransitionRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "32", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482810/280-10-50-32" }, "r131": { "role": "http://fasb.org/us-gaap/role/ref/otherTransitionRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "32", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482810/280-10-50-32" }, "r132": { "role": "http://fasb.org/us-gaap/role/ref/otherTransitionRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "32", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482810/280-10-50-32" }, "r133": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "13", "Subparagraph": "(c)", "SubTopic": "10", "Topic": "230", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482740/230-10-45-13" }, "r134": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "2", "Subparagraph": "(a)", "SubTopic": "20", "Topic": "740", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482659/740-20-45-2" }, "r135": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "5", "SubTopic": "210", "Topic": "954", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477220/954-210-45-5" }, "r136": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(b)", "SubTopic": "10", "Topic": "275", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482861/275-10-50-1" }, "r137": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(c)", "SubTopic": "10", "Topic": "275", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482861/275-10-50-1" }, "r138": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "11", "SubTopic": "10", "Topic": "275", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482861/275-10-50-11" }, "r139": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "12", "SubTopic": "10", "Topic": "275", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482861/275-10-50-12" }, "r140": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.4-08(h))", "SubTopic": "10", "Topic": "235", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480678/235-10-S99-1" }, "r141": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Name": "Accounting Standards Codification", "Topic": "606", "Publisher": "FASB", "URI": "https://asc.fasb.org/606/tableOfContent" }, "r142": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Name": "Regulation S-K (SK)", "Number": "229", "Section": "1402", "Paragraph": "a", "Publisher": "SEC" }, "r143": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "105", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "6", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479343/105-10-65-6" }, "r144": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "205", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5C", "Subparagraph": "(a)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483499/205-20-50-5C" }, "r145": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "205", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483499/205-20-50-7" }, "r146": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483467/210-10-45-1" }, "r147": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "5", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483467/210-10-45-5" }, "r148": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(1))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r149": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(17))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r150": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(18))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r151": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(20))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r152": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(22))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r153": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(27)(b))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r154": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(28))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r155": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(29))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r156": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(6))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r157": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(7))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r158": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(9))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r159": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1A", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482790/220-10-45-1A" }, "r160": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1B", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482790/220-10-45-1B" }, "r161": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482765/220-10-50-4" }, "r162": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482765/220-10-50-5" }, "r163": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482765/220-10-50-6" }, "r164": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03(25))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483621/220-10-S99-2" }, "r165": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "220", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "5", "Subparagraph": "(SAB Topic 6.B)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483621/220-10-S99-5" }, "r166": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "15", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482740/230-10-45-15" }, "r167": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "21D", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482740/230-10-45-21D" }, "r168": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "24", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482740/230-10-45-24" }, "r169": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "8", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482913/230-10-50-8" }, "r170": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "235", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.4-08(c))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480678/235-10-S99-1" }, "r171": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "235", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.4-08(e)(1))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480678/235-10-S99-1" }, "r172": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "235", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.4-08(g)(1)(ii))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480678/235-10-S99-1" }, "r173": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "235", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.4-08(h)(2))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480678/235-10-S99-1" }, "r174": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "235", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.4-08(k)(1))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480678/235-10-S99-1" }, "r175": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "235", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.4-08(k)(2))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480678/235-10-S99-1" }, "r176": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "235", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.4-08(m)(1)(iii))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480678/235-10-S99-1" }, "r177": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "235", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.4-08(m)(2)(ii))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480678/235-10-S99-1" }, "r178": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "235", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3", "Subparagraph": "(SX 210.12-04(a))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480678/235-10-S99-3" }, "r179": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "23", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483421/250-10-45-23" }, "r180": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "24", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483421/250-10-45-24" }, "r181": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "5", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483421/250-10-45-5" }, "r182": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(b)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483443/250-10-50-1" }, "r183": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(b)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483443/250-10-50-1" }, "r184": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "11",

"Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483443/250-10-50-11" }, "r185": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "11", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483443/250-10-50-11" }, "r186": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483443/250-10-50-3" }, "r187": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483443/250-10-50-4" }, "r188": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483443/250-10-50-6" }, "r189": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483443/250-10-50-7" }, "r190": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483443/250-10-50-7" }, "r191": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "8", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483443/250-10-50-8" }, "r192": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "9", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483443/250-10-50-9" }, "r193": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "10", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482689/260-10-45-10" }, "r194": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "11", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482689/260-10-45-11" }, "r195": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "16", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482689/260-10-45-16" }, "r196": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482689/260-10-45-2" }, "r197": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482689/260-10-45-3" }, "r198": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "40", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482689/260-10-45-40" }, "r199": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "40", "Subparagraph": "(b)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482689/260-10-45-40" }, "r200": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "40", "Subparagraph": "(b)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482689/260-10-45-40" }, "r201": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "40", "Subparagraph": "(b)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482689/260-10-45-40" }, "r202": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "60B", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482689/260-10-45-60B" }, "r203": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "60B", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482689/260-10-45-60B" }, "r204": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "60B", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482689/260-10-45-60B" }, "r205": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "7", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482689/260-10-45-7" }, "r206": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482662/260-10-50-1" }, "r207": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482662/260-10-50-1" }, "r208": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482662/260-10-50-1" }, "r209": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "15", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482635/260-10-55-15" }, "r210": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "270", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482964/270-10-50-1" }, "r211": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "272", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483014/272-10-45-1" }, "r212": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "272", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482987/272-10-50-1" }, "r213": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "272", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482987/272-10-50-3" }, "r214": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "22", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482810/280-10-50-22" }, "r215": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "22", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482810/280-10-50-22" }, "r216": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "22", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482810/280-10-50-22" }, "r217": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "22", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482810/280-10-50-22" }, "r218": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "22", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482810/280-10-50-22" }, "r219": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "22", "Subparagraph": "(g)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482810/280-10-50-22" }, "r220": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "22", "Subparagraph": "(h)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482810/280-10-50-22" }, "r221": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "25", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482810/280-10-50-25" }, "r222": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "30", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482810/280-10-50-30" }, "r223": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "30", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482810/280-10-50-30" }, "r224": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "32", "Subparagraph": "(ee)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482810/280-10-50-32" }, "r225": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "40", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482810/280-10-50-40" }, "r226": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "41", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482810/280-10-50-41" }, "r227": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "41", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482810/280-10-50-41" }, "r228": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "42", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482810/280-10-50-42" }, "r229": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "310", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "13", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481990/310-10-45-13" }, "r230": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "310", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481990/310-10-45-2" }, "r231": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "323", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481664/323-10-45-1" }, "r232": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "323", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(a)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481687/323-10-50-3" }, "r233": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "323", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(a)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481687/323-10-50-3" }, "r234": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "323", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481687/323-10-50-3" }, "r235": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "323", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481687/323-10-50-3" }, "r236": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "326", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "4", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479654/326-10-65-4" }, "r237": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "326", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "5", "Subparagraph": "(c)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479654/326-10-65-5" }, "r238": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "330", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org/330/tableOfContent" }, "r239": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "340", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "05", "Paragraph": "5", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482955/340-10-05-5" }, "r240": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "340", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483032/340-10-45-1" }, "r241": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "350", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482686/350-30-45-1" }, "r242": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "350", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(a)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482665/350-30-50-1" }, "r243": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "350", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(a)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482665/350-30-50-1" }, "r244": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "350", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(a)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482665/350-30-50-1" }, "r245": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "350", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482665/350-30-50-1" }, "r246": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "350", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482665/350-30-50-1" }, "r247": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "350", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(a)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482665/350-30-50-2" }, "r248": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "350", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(d)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482665/350-30-50-2" }, "r249": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "350", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(d)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482665/350-30-50-2" }, "r250": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "350", "SubTopic": "60", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "1", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147476166/350-60-65-1" }, "r251": { "role": "http://www.xbrl.org/2003/role/disclosureRef",

"Topic": "360", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482099/360-10-50-3" }, "r252": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "405", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477092/405-40-50-1" }, "r253": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "405", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(a)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477092/405-40-50-1" }, "r254": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "405", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(a)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477092/405-40-50-1" }, "r255": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "405", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(a)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477092/405-40-50-1" }, "r256": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "405", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477092/405-40-50-1" }, "r257": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "405", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(e)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477092/405-40-50-1" }, "r258": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "410", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "25", "Paragraph": "4", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481999/410-20-25-4" }, "r259": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "410", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481879/410-20-45-1" }, "r260": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "410", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481850/410-20-50-1" }, "r261": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "410", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(c)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481850/410-20-50-1" }, "r262": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "410", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(c)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481850/410-20-50-1" }, "r263": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "410", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(c)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481850/410-20-50-1" }, "r264": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "420", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482017/420-10-50-1" }, "r265": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "450", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483076/450-20-50-4" }, "r266": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "450", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "9", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483076/450-20-50-9" }, "r267": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "450", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SAB Topic 5.Y.Q2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480102/450-20-S99-1" }, "r268": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "450", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SAB Topic 5.Y.Q4)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480102/450-20-S99-1" }, "r269": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481544/470-10-50-6" }, "r270": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481544/470-10-50-6" }, "r271": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1A", "Subparagraph": "(SX 210.13-01(a)(4)(i))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480097/470-10-S99-1A" }, "r272": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1A", "Subparagraph": "(SX 210.13-01(a)(4)(iii)(A))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480097/470-10-S99-1A" }, "r273": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1A", "Subparagraph": "(SX 210.13-01(a)(4)(iv))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480097/470-10-S99-1A" }, "r274": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1A", "Subparagraph": "(SX 210.13-01(a)(5))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480097/470-10-S99-1A" }, "r275": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1B", "Subparagraph": "(SX 210.13-02(a)(4)(i))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480097/470-10-S99-1B" }, "r276": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1B", "Subparagraph": "(SX 210.13-02(a)(4)(iii)(A))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480097/470-10-S99-1B" }, "r277": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1B", "Subparagraph": "(SX 210.13-02(a)(4)(iii)(B))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480097/470-10-S99-1B" }, "r278": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1B", "Subparagraph": "(SX 210.13-02(a)(4)(iv))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480097/470-10-S99-1B" }, "r279": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1B", "Subparagraph": "(SX 210.13-02(a)(5))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480097/470-10-S99-1B" }, "r280": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1B", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1B" }, "r281": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1B", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1B" }, "r282": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1B", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1B" }, "r283": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1B", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1B" }, "r284": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1B", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1B" }, "r285": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1B", "Subparagraph": "(f)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1B" }, "r286": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1B", "Subparagraph": "(g)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1B" }, "r287": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1B", "Subparagraph": "(h)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1B" }, "r288": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1B", "Subparagraph": "(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1B" }, "r289": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1C", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1C" }, "r290": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1C", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1C" }, "r291": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1C", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1C" }, "r292": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1D", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1D" }, "r293": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1D", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1D" }, "r294": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1D", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1D" }, "r295": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1E", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1E" }, "r296": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1E", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1E" }, "r297": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1E", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1E" }, "r298": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1E", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1E" }, "r299": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1F", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1F" }, "r300": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1F", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1F" }, "r301": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1F", "Subparagraph": "(b)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1F" }, "r302": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1F", "Subparagraph": "(b)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1F" }, "r303": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1I", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1I" }, "r304": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1I", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1I" }, "r305": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1I", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1I" }, "r306": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1I", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1I" }, "r307": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(b)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-4" }, "r308": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(b)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-4" }, "r309": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "13", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-13" }, "r310": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "13", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-13" }, "r311": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "13", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-13" }, "r312": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "13", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-13" }, "r313": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "13", "Subparagraph": "(g)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-13" }, "r314": { "role": "http://www.xbrl.org/2003/role/disclosureRef",

"Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "13", "Subparagraph": "(h)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-13" }, "r315": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "13", "Subparagraph": "(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-13" }, "r316": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "14", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-14" }, "r317": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "14", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-14" }, "r318": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "14", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-14" }, "r319": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "16", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-16" }, "r320": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "18", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-18" }, "r321": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "18", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-18" }, "r322": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "18", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-18" }, "r323": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "18", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-18" }, "r324": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-2" }, "r325": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-3" }, "r326": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.3-04)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480008/505-10-S99-1" }, "r327": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "606", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479837/606-10-45-1" }, "r328": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "606", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479837/606-10-45-2" }, "r329": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "606", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "10", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479806/606-10-50-10" }, "r330": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "606", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "12", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479806/606-10-50-12" }, "r331": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "606", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "12", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479806/606-10-50-12" }, "r332": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "606", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "12", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479806/606-10-50-12" }, "r333": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "606", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "12", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479806/606-10-50-12" }, "r334": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "606", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "12", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479806/606-10-50-12" }, "r335": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "606", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "13", "Subparagraph": "(b)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479806/606-10-50-13" }, "r336": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "606", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "15", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479806/606-10-50-15" }, "r337": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "606", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479806/606-10-50-4" }, "r338": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "606", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479806/606-10-50-5" }, "r339": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "606", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "8", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479806/606-10-50-8" }, "r340": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "606", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "9", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479806/606-10-50-9" }, "r341": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "715", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(d)(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480506/715-20-50-1" }, "r342": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "715", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(n)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480506/715-20-50-1" }, "r343": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "715", "SubTopic": "80", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480576/715-80-50-5" }, "r344": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org/718/tableOfContent" }, "r345": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "35", "Paragraph": "1D", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480483/718-10-35-1D" }, "r346": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "35", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480483/718-10-35-3" }, "r347": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r348": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(a)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r349": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(a)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r350": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(a)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r351": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(1)(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r352": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(1)(ii)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r353": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(1)(iii)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r354": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(1)(iv)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r355": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(1)(iv)(01)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r356": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(1)(iv)(02)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r357": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(1)(iv)(03)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r358": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(1)(iv)(04)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r359": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(2)(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r360": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(2)(ii)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r361": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(2)(iii)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r362": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(2)(iii)(01)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r363": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(2)(iii)(02)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r364": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(2)(iii)(03)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r365": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(d)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r366": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(d)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r367": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(e)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r368": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(e)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r369": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(f)(2)(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r370": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(f)(2)(ii)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r371": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(f)(2)(iii)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r372": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(f)(2)(iv)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r373": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(f)(2)(v)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r374": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(h)(1)(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r375": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(h)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r376": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",

"Subparagraph": "(h)(2)(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r377": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r378": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r379": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SAB Topic 14.F)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479830/718-10-S99-1" }, "r380": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "720", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483359/720-20-50-1" }, "r381": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "730", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482916/730-10-50-1" }, "r382": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org/740/tableOfContent" }, "r383": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "10", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482685/740-10-50-10" }, "r384": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "12", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482685/740-10-50-12" }, "r385": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "12B", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482685/740-10-50-12B" }, "r386": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "12C", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482685/740-10-50-12C" }, "r387": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "14", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482685/740-10-50-14" }, "r388": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "17", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482685/740-10-50-17" }, "r389": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "21", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482685/740-10-50-21" }, "r390": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "8", "Subparagraph": "(d)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482615/740-10-65-8" }, "r391": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "8", "Subparagraph": "(d)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482615/740-10-65-8" }, "r392": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SAB Topic 6.I.5.Q1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479360/740-10-S99-1" }, "r393": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SAB Topic 6.I.7)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479360/740-10-S99-1" }, "r394": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SAB Topic 11.C)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479360/740-10-S99-2" }, "r395": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "270", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477891/740-270-50-1" }, "r396": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482603/740-30-50-2" }, "r397": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "323", "Name": "Accounting Standards Codification", "Section": "25", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478758/740-323-25-1" }, "r398": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "323", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "2", "Subparagraph": "(d)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478666/740-323-65-2" }, "r399": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "323", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "2", "Subparagraph": "(d)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478666/740-323-65-2" }, "r400": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "323", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "2", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478666/740-323-65-2" }, "r401": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "323", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "2", "Subparagraph": "(g)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478666/740-323-65-2" }, "r402": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "740", "SubTopic": "323", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "2", "Subparagraph": "(g)(4)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478666/740-323-65-2" }, "r403": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "805", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(h)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479328/805-10-50-2" }, "r404": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "805", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(h)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479328/805-10-50-2" }, "r405": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "805", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479907/805-20-50-5" }, "r406": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "805", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479907/805-20-50-5" }, "r407": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "805", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(c)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479581/805-30-50-1" }, "r408": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "805", "SubTopic": "60", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "1", "Subparagraph": "(d)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147476176/805-60-65-1" }, "r409": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "805", "SubTopic": "60", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "1", "Subparagraph": "(g)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147476176/805-60-65-1" }, "r410": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "808", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479402/808-10-50-1" }, "r411": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "810", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "25", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481231/810-10-45-25" }, "r412": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "810", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "25", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481231/810-10-45-25" }, "r413": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "810", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(bb)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481203/810-10-50-3" }, "r414": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "810", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481203/810-10-50-3" }, "r415": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "815", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "6", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480528/815-20-65-6" }, "r416": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "815", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "6", "Subparagraph": "(h)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480528/815-20-65-6" }, "r417": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "815", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "6", "Subparagraph": "(h)(1)(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480528/815-20-65-6" }, "r418": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "815", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "6", "Subparagraph": "(h)(1)(iii)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480528/815-20-65-6" }, "r419": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "815", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "6", "Subparagraph": "(h)(1)(iv)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480528/815-20-65-6" }, "r420": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "815", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "6", "Subparagraph": "(i)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480528/815-20-65-6" }, "r421": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "815", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480237/815-40-50-6" }, "r422": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "815", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "1", "Subparagraph": "(e)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480175/815-40-65-1" }, "r423": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "815", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "1", "Subparagraph": "(e)(4)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480175/815-40-65-1" }, "r424": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "815", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "1", "Subparagraph": "(f)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480175/815-40-65-1" }, "r425": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "820", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(bbb)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482106/820-10-50-2" }, "r426": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "820", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(bbb)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482106/820-10-50-2" }, "r427": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "820", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(bbb)(2)(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482106/820-10-50-2" }, "r428": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "820", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482106/820-10-50-2" }, "r429": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "820", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482106/820-10-50-2" }, "r430": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "820", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482106/820-10-50-3" }, "r431": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "825", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "10", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482907/825-10-50-10" }, "r432": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "825", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "28", "Subparagraph": "(f)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482907/825-10-50-28" }, "r433": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "830", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "17", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481694/830-30-45-17" }, "r434": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "830", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "20", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481694/830-30-45-20" }, "r435": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "830", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "20", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481694/830-30-45-20" }, "r436": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "830", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "20", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481694/830-30-45-20" }, "r437": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "830", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "20", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481694/830-30-45-20" }, "r438": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "830", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481674/830-30-50-1" }, "r439": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "835", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482925/835-30-45-2" }, "r440": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "835", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482900/835-30-50-1" }, "r441":

{ "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "8", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479832/842-10-65-8" }, "r442": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org/842-20/tableOfContent" }, "r443": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "35", "Paragraph": "12A", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479165/842-20-35-12A" }, "r444": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479041/842-20-45-1" }, "r445": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479041/842-20-45-1" }, "r446": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479041/842-20-45-2" }, "r447": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "4", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479041/842-20-45-4" }, "r448": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "5", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479041/842-20-45-5" }, "r449": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "5", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479041/842-20-45-5" }, "r450": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "5", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479041/842-20-45-5" }, "r451": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478964/842-20-50-3" }, "r452": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478964/842-20-50-4" }, "r453": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478964/842-20-50-4" }, "r454": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478964/842-20-50-4" }, "r455": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478964/842-20-50-4" }, "r456": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478964/842-20-50-4" }, "r457": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(g)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478964/842-20-50-4" }, "r458": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(g)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478964/842-20-50-4" }, "r459": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(g)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478964/842-20-50-4" }, "r460": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(g)(4)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478964/842-20-50-4" }, "r461": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478964/842-20-50-6" }, "r462": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7A", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478964/842-20-50-7A" }, "r463": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "848", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "2", "Subparagraph": "(a)(3)(iii)(03)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483550/848-10-65-2" }, "r464": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "850", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483326/850-10-50-1" }, "r465": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "850", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483326/850-10-50-1" }, "r466": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "850", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483326/850-10-50-2" }, "r467": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "850", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483326/850-10-50-3" }, "r468": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "855", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org/855/tableOfContent" }, "r469": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "855", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483399/855-10-50-2" }, "r470": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(c)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481326/860-20-50-3" }, "r471": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481420/860-30-50-7" }, "r472": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "860", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "9", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481420/860-30-50-9" }, "r473": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "910", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482546/910-10-50-6" }, "r474": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "924", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SAB Topic 11.L)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479941/924-10-S99-1" }, "r475": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "926", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483154/926-20-50-5" }, "r476": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "928", "SubTopic": "340", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478859/928-340-50-1" }, "r477": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478934/932-220-50-1" }, "r478": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "18", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-18" }, "r479": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "18", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-18" }, "r480": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "18", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-18" }, "r481": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "19", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-19" }, "r482": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "23", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-23" }, "r483": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "23", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-23" }, "r484": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "23", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-23" }, "r485": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "23", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-23" }, "r486": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "23", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-23" }, "r487": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "23", "Subparagraph": "(f)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-23" }, "r488": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "31", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-31" }, "r489": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "31", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-31" }, "r490": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "31", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-31" }, "r491": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "31", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-31" }, "r492": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "31", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-31" }, "r493": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "31", "Subparagraph": "(f)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-31" }, "r494": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-5" }, "r495": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-5" }, "r496": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-5" }, "r497": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-5" }, "r498": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-5" }, "r499": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(f)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-5" }, "r500": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-6" }, "r501": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-7" }, "r502": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "8", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-8" }, "r503": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "8", "Subparagraph": "(c)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-8" }, "r504": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "8", "Subparagraph": "(c)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-8" }, "r505": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "280", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478657/932-280-50-1" }, "r506": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "932", "SubTopic": "323",

"Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478988/932-323-50-1" }, "r507": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "942", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.9-04(27))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478524/942-220-S99-1" }, "r508": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "942", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.9-05(b)(2))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477314/942-235-S99-1" }, "r509": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-03(a)(1)(6))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478777/944-210-S99-1" }, "r510": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-03(a)(12))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478777/944-210-S99-1" }, "r511": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-03(a)(17))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478777/944-210-S99-1" }, "r512": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-03(a)(19))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478777/944-210-S99-1" }, "r513": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-03(a)(21))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478777/944-210-S99-1" }, "r514": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-03(a)(22))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478777/944-210-S99-1" }, "r515": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-03(a)(23)(a)(4))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478777/944-210-S99-1" }, "r516": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-03(a)(25))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478777/944-210-S99-1" }, "r517": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-03(a)(3))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478777/944-210-S99-1" }, "r518": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-04(10))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477250/944-220-S99-1" }, "r519": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-04(11))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477250/944-220-S99-1" }, "r520": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-04(18))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477250/944-220-S99-1" }, "r521": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-04(19))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477250/944-220-S99-1" }, "r522": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-04(23))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477250/944-220-S99-1" }, "r523": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-04(9))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477250/944-220-S99-1" }, "r524": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.12-17(Column A))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477965/944-235-S99-2" }, "r525": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.12-17(Column B))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477965/944-235-S99-2" }, "r526": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.12-17(Column C))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477965/944-235-S99-2" }, "r527": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.12-17(Column D))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477965/944-235-S99-2" }, "r528": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.12-17(Column E))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477965/944-235-S99-2" }, "r529": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.12-17(Column F))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477965/944-235-S99-2" }, "r530": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4E", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-4E" }, "r531": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-5" }, "r532": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-5" }, "r533": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7A", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-7A" }, "r534": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "9", "Subparagraph": "(a)(4)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-9" }, "r535": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "2", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480016/944-40-65-2" }, "r536": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "2", "Subparagraph": "(f)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480016/944-40-65-2" }, "r537": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "2", "Subparagraph": "(f)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480016/944-40-65-2" }, "r538": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "2", "Subparagraph": "(g)(2)(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480016/944-40-65-2" }, "r539": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "2", "Subparagraph": "(h)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480016/944-40-65-2" }, "r540": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SAB Topic 5.W.Q2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479583/944-40-S99-1" }, "r541": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "944", "SubTopic": "825", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1B", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477351/944-825-50-1B" }, "r542": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3", "Subparagraph": "(SX 210.6-03(d))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479886/946-10-S99-3" }, "r543": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3", "Subparagraph": "(SX 210.6-03(i)(1))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479886/946-10-S99-3" }, "r544": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3", "Subparagraph": "(SX 210.6-03(i)(2)(i))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479886/946-10-S99-3" }, "r545": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3", "Subparagraph": "(SX 210.6-03(i)(2)(ii))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479886/946-10-S99-3" }, "r546": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3", "Subparagraph": "(SX 210.6-03(i)(2))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479886/946-10-S99-3" }, "r547": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "11", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480990/946-20-50-11" }, "r548": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "13", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480990/946-20-50-13" }, "r549": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "205", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "4", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478009/946-205-45-4" }, "r550": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "205", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478494/946-205-50-2" }, "r551": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "205", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "27", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478494/946-205-50-27" }, "r552": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "205", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478494/946-205-50-7" }, "r553": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "205", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478494/946-205-50-7" }, "r554": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "205", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478494/946-205-50-7" }, "r555": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "205", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478494/946-205-50-7" }, "r556": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "205", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478494/946-205-50-7" }, "r557": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "205", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7", "Subparagraph": "(f)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478494/946-205-50-7" }, "r558": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "205", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7", "Subparagraph": "(g)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478494/946-205-50-7" }, "r559": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "205", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7", "Subparagraph": "(h)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478494/946-205-50-7" }, "r560": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "4", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477796/946-210-45-4" }, "r561": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(b)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478795/946-210-50-1" }, "r562": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478795/946-210-50-2" }, "r563": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(a)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478795/946-210-50-6" }, "r564": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478795/946-210-50-6" }, "r565": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(f)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478795/946-210-50-6" }, "r566": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-04(1))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-1" }, "r567": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",

```
"Subparagraph": "(SX 210.6-04(12)(b)(1))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-1" }, "r568": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-04(12)(b)(2))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-1" }, "r569": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-04(12)(b)(3))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-1" }, "r570": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-04(13)(a)(2))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-1" }, "r571": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-04(13)(a)(3))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-1" }, "r572": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-04(14))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-1" }, "r573": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-04(15))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-1" }, "r574": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-04(16)(a))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-1" }, "r575": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-04(17))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-1" }, "r576": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-04(19))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-1" }, "r577": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-04(2)(a))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-1" }, "r578": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-04(2)(b))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-1" }, "r579": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-04(3)(a))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-1" }, "r580": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-04(3)(b))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-1" }, "r581": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-04(3)(c))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-1" }, "r582": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-04(6)(b))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-1" }, "r583": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-04(6)(c))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-1" }, "r584": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-04(6)(d))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-1" }, "r585": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-04(6)(e))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-1" }, "r586": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-04(8))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-1" }, "r587": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-04(9)(b))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-1" }, "r588": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-04(9)(c))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-1" }, "r589": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-04(9)(d))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-1" }, "r590": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-04(9)(e))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-1" }, "r591": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2",
"Subparagraph": "(SX 210.6-05(2))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-2" }, "r592": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2",
"Subparagraph": "(SX 210.6-05(4))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-2" }, "r593": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "3",
"Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479105/946-220-45-3" }, "r594": { "role": "http://www.xbrl.org/2003/role/disclosureRef",
"Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "7", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147479105/946-220-45-7" }, "r595": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name":
"Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478297/946-220-50-3" }, "r596": {
"role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-07(1))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479134/946-220-S99-1" }, "r597": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-07(2)(a))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479134/946-220-S99-1" }, "r598": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-07(2)(c)(2)(i))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479134/946-220-S99-1" }, "r599": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-07(2)(c)(2)(ii))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479134/946-220-S99-1" }, "r600": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-07(2)(g)(3))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479134/946-220-S99-1" }, "r601": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-07(7)(a)(1))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479134/946-220-S99-1" }, "r602": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-07(7)(a)(2))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479134/946-220-S99-1" }, "r603": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-07(7)(a)(3))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479134/946-220-S99-1" }, "r604": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-07(7)(a)(5))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479134/946-220-S99-1" }, "r605": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-07(7)(a)(6))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479134/946-220-S99-1" }, "r606": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-07(7)(a)(7))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479134/946-220-S99-1" }, "r607": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-07(7)(c)(1))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479134/946-220-S99-1" }, "r608": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-07(7)(c)(2))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479134/946-220-S99-1" }, "r609": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-07(7)(c)(3))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479134/946-220-S99-1" }, "r610": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-07(7)(c)(5))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479134/946-220-S99-1" }, "r611": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-07(7)(c)(6))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479134/946-220-S99-1" }, "r612": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-07(7)(c)(7))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479134/946-220-S99-1" }, "r613": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.6-07(9))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479134/946-220-S99-1" }, "r614": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3",
"Subparagraph": "(SX 210.6-09(1)(d))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479134/946-220-S99-3" }, "r615": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3",
"Subparagraph": "(SX 210.6-09(4)(b))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479134/946-220-S99-3" }, "r616": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3",
"Subparagraph": "(SX 210.6-09(6))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479134/946-220-S99-3" }, "r617": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3",
"Subparagraph": "(SX 210.6-09(7))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479134/946-220-S99-3" }, "r618": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477968/946-235-50-2" }, "r619": { "role": "http://www.xbrl.org/2003/role/disclosureRef",
"Topic": "946", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(d)", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147477968/946-235-50-2" }, "r620": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "310", "Name":
"Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477802/946-310-
45-1" }, "r621": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99",
"Paragraph": "1", "Subparagraph": "(SX 210.12-12(Column A)(Footnote 2))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477271/946-320-S99-1" }, "r622":
{ "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.12-12(Column C)(Footnote 5))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477271/946-320-S99-1" }, "r623": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2",
"Subparagraph": "(SX 210.12-12A(Column A)(Footnote 2))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477271/946-320-S99-2" }, "r624": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2",
"Subparagraph": "(SX 210.12-12A(Column C)(Footnote 4))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477271/946-320-S99-2" }, "r625": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3",
```

```
"Subparagraph": "(SX 210.12-12B(Column A)(Footnote 4)(a))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477271/946-320-S99-3" }, "r626": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3",
"Subparagraph": "(SX 210.12-12B(Column A)(Footnote 4)(b))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477271/946-320-S99-3" }, "r627": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3",
"Subparagraph": "(SX 210.12-12B(Column C)(Footnote 2))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477271/946-320-S99-3" }, "r628": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "6",
"Subparagraph": "(SX 210.12-14(Column A)(Footnote 2))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477271/946-320-S99-6" }, "r629": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "6",
"Subparagraph": "(SX 210.12-14(Column F)(Footnote 7))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477271/946-320-S99-6" }, "r630": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "505", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher":
"FASB", "URI": "https://asc.fasb.org/1943274/2147478448/946-505-50-1" }, "r631": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "505",
"Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(a)", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147478448/946-505-50-2" }, "r632": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "505", "Name":
"Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478448/946-505-
50-2" }, "r633": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "505", "Name": "Accounting Standards Codification", "Section": "50",
"Paragraph": "2", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478448/946-505-50-2" }, "r634": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "946", "SubTopic": "505", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478448/946-505-50-2" }, "r635": { "role": "http://www.xbrl.org/2003/role/disclosureRef",
"Topic": "946", "SubTopic": "505", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147478448/946-505-50-6" }, "r636": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "948", "SubTopic": "310", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-29(Column A)(Footnote 4))", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147479628/948-310-S99-1" }, "r637": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "954", "SubTopic": "310", "Name":
"Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478785/954-310-50-2" }, "r638": {
"role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "970", "SubTopic": "360", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.12-28(Column A)(Footnote 2))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478979/970-360-S99-1" }, "r639": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "970", "SubTopic": "360", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.12-28(Column B))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478979/970-360-S99-1" }, "r640": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "970", "SubTopic": "360", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.12-28(Column C))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478979/970-360-S99-1" }, "r641": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "970", "SubTopic": "360", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.12-28(Column D))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478979/970-360-S99-1" }, "r642": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "970", "SubTopic": "360", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.12-28(Column E))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478979/970-360-S99-1" }, "r643": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "970", "SubTopic": "360", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.12-28(Column F))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478979/970-360-S99-1" }, "r644": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "970", "SubTopic": "360", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.12-28(Column G))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478979/970-360-S99-1" }, "r645": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "970", "SubTopic": "360", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.12-28(Column H))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478979/970-360-S99-1" }, "r646": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "970", "SubTopic": "360", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1",
"Subparagraph": "(SX 210.12-28(Column I))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478979/970-360-S99-1" }, "r647": { "role":
"http://www.xbrl.org/2003/role/disclosureRef", "Topic": "976", "SubTopic": "310", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1",
"Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477332/976-310-50-1" }, "r648": { "role": "http://www.xbrl.org/2003/role/disclosureRef",
"Topic": "978", "SubTopic": "310", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(b)", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147479230/978-310-50-1" }, "r649": { "role": "http://www.xbrl.org/2003/role/disclosureRef", "Topic": "985", "SubTopic": "20", "Name":
"Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481283/985-20-50-2" }, "r650": { "role":
"http://www.xbrl.org/2003/role/exampleRef", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "13H", "Subparagraph": "(a)", "SubTopic": "40",
"Topic": "944", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480046/944-40-55-13H" }, "r651": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Name":
"Accounting Standards Codification", "Section": "55", "Paragraph": "13H", "Subparagraph": "(b)", "SubTopic": "40", "Topic": "944", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147480046/944-40-55-13H" }, "r652": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "210", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483467/210-10-
45-1" }, "r653": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45",
"Paragraph": "1", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483467/210-10-45-1" }, "r654": { "role":
"http://www.xbrl.org/2003/role/exampleRef", "Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1",
"Subparagraph": "(g)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483467/210-10-45-1" }, "r655": { "role": "http://www.xbrl.org/2003/role/exampleRef",
"Topic": "210", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Subparagraph": "(g)(4)", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147483467/210-10-45-1" }, "r656": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "210", "SubTopic": "20", "Name": "Accounting
Standards Codification", "Section": "55", "Paragraph": "16", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483444/210-20-55-16" }, "r657": { "role":
"http://www.xbrl.org/2003/role/exampleRef", "Topic": "210", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "21", "Publisher":
"FASB", "URI": "https://asc.fasb.org/1943274/2147483444/210-20-55-21" }, "r658": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "210", "SubTopic": "20",
"Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "22", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483444/210-20-55-22" },
"r659": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "260", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph":
"52", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482635/260-10-55-52" }, "r660": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "280",
"SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "30", "Subparagraph": "(d)", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147482810/280-10-50-30" }, "r661": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "280", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "50", "Paragraph": "31", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482810/280-10-50-31" }, "r662": {
"role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "48",
"Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482785/280-10-55-48" }, "r663": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "280",
"SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "49", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147482785/280-10-55-49" }, "r664": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "310", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "55", "Paragraph": "12A", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481933/310-10-55-12A" }, "r665": {
"role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "340", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "05", "Paragraph": "5",
"Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482955/340-10-05-5" }, "r666": { "role": "http://www.xbrl.org/2003/role/exampleRef",
"Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1B", "Subparagraph": "(d)", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147481139/470-20-50-1B" }, "r667": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "470", "SubTopic": "20", "Name":
"Accounting Standards Codification", "Section": "55", "Paragraph": "69B", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481568/470-20-55-69B" }, "r668": {
"role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "69C",
"Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481568/470-20-55-69C" }, "r669": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "470",
"SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "69E", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147481568/470-20-55-69E" }, "r670": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "470", "SubTopic": "20", "Name":
"Accounting Standards Codification", "Section": "55", "Paragraph": "69F", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481568/470-20-55-69F" }, "r671": {
"role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "13",
"Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-13" }, "r672": { "role": "http://www.xbrl.org/2003/role/exampleRef",
"Topic": "606", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "91", "Subparagraph": "(a)", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147479777/606-10-55-91" }, "r673": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "606", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "55", "Paragraph": "91", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479777/606-10-
55-91" }, "r674": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "606", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "55",
"Paragraph": "91", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479777/606-10-55-91" }, "r675": { "role":
"http://www.xbrl.org/2003/role/exampleRef", "Topic": "606", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "91",
"Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479777/606-10-55-91" }, "r676": { "role": "http://www.xbrl.org/2003/role/exampleRef",
"Topic": "606", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "91", "Subparagraph": "(e)", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147479777/606-10-55-91" }, "r677": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "606", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "55", "Paragraph": "91", "Subparagraph": "(f)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479777/606-10-
55-91" }, "r678": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "606", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "55",
"Paragraph": "91", "Subparagraph": "(g)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479777/606-10-55-91" }, "r679": { "role":
"http://www.xbrl.org/2003/role/exampleRef", "Topic": "715", "SubTopic": "80", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "11",
"Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480576/715-80-50-11" }, "r680": { "role": "http://www.xbrl.org/2003/role/exampleRef",
"Topic": "715", "SubTopic": "80", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(a)", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147480576/715-80-50-6" }, "r681": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "715", "SubTopic": "80", "Name": "Accounting
Standards Codification", "Section": "55", "Paragraph": "8", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480547/715-80-55-8" }, "r682": { "role":
"http://www.xbrl.org/2003/role/exampleRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2",
"Subparagraph": "(a)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r683": { "role": "http://www.xbrl.org/2003/role/exampleRef",
"Topic": "740", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "231", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147482663/740-10-55-231" }, "r684": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "820", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "55", "Paragraph": "102", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482078/820-10-55-102" }, "r685": {
"role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "820", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "103",
"Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482078/820-10-55-103" }, "r686": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "820",
"SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "107", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147482078/820-10-55-107" }, "r687": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "820", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "55", "Paragraph": "107", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482078/820-
10-55-107" }, "r688": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "820", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "55",
"Paragraph": "107", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482078/820-10-55-107" }, "r689": { "role":
"http://www.xbrl.org/2003/role/exampleRef", "Topic": "835", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "8", "Publisher":
"FASB", "URI": "https://asc.fasb.org/1943274/2147482949/835-30-55-8" }, "r690": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "842", "SubTopic": "20",
```

```
"Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "53", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479589/842-20-55-53" }, "r691": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "852", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "10", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481372/852-10-55-10" }, "r692": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "17", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-17" }, "r693": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "21", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-21" }, "r694": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "29", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-29" }, "r695": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477215/932-235-50-3" }, "r696": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477916/932-235-55-2" }, "r697": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "4", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477916/932-235-55-4" }, "r698": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "5", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477916/932-235-55-5" }, "r699": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "932", "SubTopic": "235", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "6", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477916/932-235-55-6" }, "r700": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "944", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479401/944-30-55-2" }, "r701": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "29F", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480046/944-40-55-29F" }, "r702": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "9C", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480046/944-40-55-9C" }, "r703": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "9C", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480046/944-40-55-9C" }, "r704": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "9E", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480046/944-40-55-9E" }, "r705": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "944", "SubTopic": "80", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "18", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480078/944-80-55-18" }, "r706": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(b)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478795/946-210-50-1" }, "r707": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(a)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478795/946-210-50-6" }, "r708": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477439/946-210-55-1" }, "r709": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "946", "SubTopic": "310", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477802/946-310-45-1" }, "r710": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.12-12(Column A)(Footnote 2)(i))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477271/946-320-S99-1" }, "r711": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.12-12A(Column A)(Footnote 2))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477271/946-320-S99-2" }, "r712": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3", "Subparagraph": "(SX 210.12-12B(Column A)(Footnote 1)(a))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477271/946-320-S99-3" }, "r713": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "946", "SubTopic": "320", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "6", "Subparagraph": "(SX 210.12-14(Column A)(Footnote 2))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477271/946-320-S99-6" }, "r714": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "946", "SubTopic": "830", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "10", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479168/946-830-55-10" }, "r715": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "946", "SubTopic": "830", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "11", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479168/946-830-55-11" }, "r716": { "role": "http://www.xbrl.org/2003/role/exampleRef", "Topic": "946", "SubTopic": "830", "Name": "Accounting Standards Codification", "Section": "55", "Paragraph": "12", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479168/946-830-55-12" }, "r717": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Exchange Act", "Number": "240", "Section": "12", "Subsection": "b" }, "r718": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Exchange Act", "Number": "240", "Section": "12", "Subsection": "b-2" }, "r719": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Exchange Act", "Number": "240", "Section": "12", "Subsection": "d1-1" }, "r720": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 10-Q", "Number": "240", "Section": "308", "Subsection": "a" }, "r721": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 20-F", "Section": "16", "Subsection": "J", "Paragraph": "a" }, "r722": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 20-F", "Section": "6", "Subsection": "F", "Paragraph": "1" }, "r723": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 20-F", "Section": "6", "Subsection": "F", "Paragraph": "1", "Subparagraph": "i" }, "r724": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 20-F", "Section": "6", "Subsection": "F", "Paragraph": "1", "Subparagraph": "i", "Sentence": "A" }, "r725": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 20-F", "Section": "6", "Subsection": "F", "Paragraph": "1", "Subparagraph": "i", "Sentence": "B" }, "r726": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 20-F", "Section": "6", "Subsection": "F", "Paragraph": "1", "Subparagraph": "i", "Sentence": "C" }, "r727": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 20-F", "Section": "6", "Subsection": "F", "Paragraph": "1", "Subparagraph": "i", "Sentence": "D" }, "r728": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 20-F", "Section": "6", "Subsection": "F", "Paragraph": "1", "Subparagraph": "i", "Sentence": "E" }, "r729": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 20-F", "Section": "6", "Subsection": "F", "Paragraph": "1", "Subparagraph": "ii" }, "r730": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 20-F", "Section": "6", "Subsection": "F", "Paragraph": "1", "Subparagraph": "iii" }, "r731": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 20-F", "Section": "6", "Subsection": "F", "Paragraph": "2" }, "r732": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 40-F", "Section": "19", "Paragraph": "a", "Subparagraph": "1" }, "r733": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 40-F", "Section": "19", "Paragraph": "a", "Subparagraph": "1" }, "r734": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 40-F", "Section": "19", "Paragraph": "a", "Subparagraph": "1", "Sentence": "i" }, "r735": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 40-F", "Section": "19", "Paragraph": "a", "Subparagraph": "1", "Sentence": "ii" }, "r736": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 40-F", "Section": "19", "Paragraph": "a", "Subparagraph": "1", "Sentence": "iii" }, "r737": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 40-F", "Section": "19", "Paragraph": "a", "Subparagraph": "1", "Sentence": "iv" }, "r738": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 40-F", "Section": "19", "Paragraph": "a", "Subparagraph": "1", "Sentence": "v" }, "r739": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 40-F", "Section": "19", "Paragraph": "a", "Subparagraph": "2" }, "r740": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 40-F", "Section": "19", "Paragraph": "a", "Subparagraph": "3" }, "r741": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form 40-F", "Section": "19", "Paragraph": "b" }, "r742": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form N-CSR", "Section": "18", "Paragraph": "a" }, "r743": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form N-CSR", "Section": "18", "Paragraph": "a", "Subparagraph": "1" }, "r744": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form N-CSR", "Section": "18", "Paragraph": "a", "Subparagraph": "1", "Sentence": "i" }, "r745": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form N-CSR", "Section": "18", "Paragraph": "a", "Subparagraph": "1", "Sentence": "ii" }, "r746": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form N-CSR", "Section": "18", "Paragraph": "a", "Subparagraph": "1", "Sentence": "iii" }, "r747": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form N-CSR", "Section": "18", "Paragraph": "a", "Subparagraph": "1", "Sentence": "iv" }, "r748": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form N-CSR", "Section": "18", "Paragraph": "a", "Subparagraph": "1", "Sentence": "v" }, "r749": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form N-CSR", "Section": "18", "Paragraph": "a", "Subparagraph": "2" }, "r750": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form N-CSR", "Section": "18", "Paragraph": "a", "Subparagraph": "3" }, "r751": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Form N-CSR", "Section": "18", "Paragraph": "b" }, "r752": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Forms 10-K, 10-Q, 20-F", "Number": "240", "Section": "13", "Subsection": "a-1" }, "r753": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v" }, "r754": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "1" }, "r755": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "2", "Subparagraph": "ii" }, "r756": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "2", "Subparagraph": "iii" }, "r757": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "2", "Subparagraph": "iii", "Sentence": "B", "Clause": "1", "Subclause": "ii" }, "r758": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "2", "Subparagraph": "iii", "Sentence": "C", "Clause": "1", "Subclause": "i" }, "r759": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "2", "Subparagraph": "iii", "Sentence": "C", "Clause": "1", "Subclause": "ii" }, "r760": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "2", "Subparagraph": "iii", "Sentence": "C", "Clause": "1", "Subclause": "iii" }, "r761": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "2", "Subparagraph": "iii", "Sentence": "C", "Clause": "1", "Subclause": "iv" }, "r762": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "2", "Subparagraph": "iii", "Sentence": "C", "Clause": "1", "Subclause": "v" }, "r763": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "2", "Subparagraph": "iii", "Sentence": "C", "Clause": "1", "Subclause": "vi" }, "r764": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "2", "Subparagraph": "iv" }, "r765": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "2", "Subparagraph": "vi" }, "r766": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "3" }, "r767": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "4" }, "r768": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "5", "Subparagraph": "i" }, "r769": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "5", "Subparagraph": "ii" }, "r770": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "5", "Subparagraph": "iii" }, "r771": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "5", "Subparagraph": "iv" }, "r772": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "6" }, "r773": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "v", "Paragraph": "6", "Subparagraph": "i" }, "r774": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "w", "Paragraph": "1" }, "r775": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "w", "Paragraph": "1", "Subparagraph": "i" }, "r776": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "w", "Paragraph": "1", "Subparagraph": "i", "Sentence": "A" }, "r777": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher":
```

```
"SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "w", "Paragraph": "1", "Subparagraph": "i", "Sentence": "B" }, "r778": { "role":
"http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "w", "Paragraph": "1",
"Subparagraph": "i", "Sentence": "C" }, "r779": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229",
"Section": "402", "Subsection": "w", "Paragraph": "1", "Subparagraph": "i", "Sentence": "D" }, "r780": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher":
"SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "w", "Paragraph": "1", "Subparagraph": "i", "Sentence": "E" }, "r781": { "role":
"http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "w", "Paragraph": "1",
"Subparagraph": "ii" }, "r782": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402",
"Subsection": "w", "Paragraph": "1", "Subparagraph": "iii" }, "r783": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K",
"Number": "229", "Section": "402", "Subsection": "w", "Paragraph": "2" }, "r784": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name":
"Regulation S-K", "Number": "229", "Section": "402", "Subsection": "x", "Paragraph": "1" }, "r785": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher":
"SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "x", "Paragraph": "2" }, "r786": { "role": "http://www.xbrl.org/2003/role/presentationRef",
"Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "x", "Paragraph": "2", "Subparagraph": "ii", "Sentence": "A" }, "r787": { "role":
"http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "x", "Paragraph": "2",
"Subparagraph": "ii", "Sentence": "C" }, "r788": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229",
"Section": "402", "Subsection": "x", "Paragraph": "2", "Subparagraph": "ii", "Sentence": "D" }, "r789": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher":
"SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "x", "Paragraph": "2", "Subparagraph": "ii", "Sentence": "E" }, "r790": { "role":
"http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "402", "Subsection": "x", "Paragraph": "2",
"Subparagraph": "ii", "Sentence": "F" }, "r791": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229",
"Section": "408", "Subsection": "a" }, "r792": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229",
"Section": "408", "Subsection": "a", "Paragraph": "1" }, "r793": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K",
"Number": "229", "Section": "408", "Subsection": "a", "Paragraph": "2", "Subparagraph": "A" }, "r794": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher":
"SEC", "Name": "Regulation S-K", "Number": "229", "Section": "408", "Subsection": "a", "Paragraph": "2", "Subparagraph": "B" }, "r795": { "role":
"http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "408", "Subsection": "a", "Paragraph": "2",
"Subparagraph": "C" }, "r796": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Number": "229", "Section": "408",
"Subsection": "a", "Paragraph": "2", "Subparagraph": "D" }, "r797": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K",
"Number": "229", "Section": "408", "Subsection": "b", "Paragraph": "1" }, "r798": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name":
"Regulation S-K", "Section": "402", "Number": "229", "Subsection": "v", "Paragraph": "2", "Subparagraph": "iii", "Sentence": "C", "Clause": "1" }, "r799": { "role":
"http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Section": "402", "Subsection": "v", "Paragraph": "2", "Subparagraph": "iii",
"Sentence": "A", "Number": "229" }, "r800": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-K", "Section": "402",
"Subsection": "v", "Paragraph": "2", "Subparagraph": "iii", "Sentence": "B", "Clause": "1", "Number": "229" }, "r801": { "role": "http://www.xbrl.org/2003/role/presentationRef",
"Publisher": "SEC", "Name": "Regulation S-K", "Section": "402", "Subsection": "v", "Paragraph": "2", "Subparagraph": "iii", "Sentence": "B", "Clause": "1", "Subclause": "i",
"Number": "229" }, "r802": { "role": "http://www.xbrl.org/2003/role/presentationRef", "Publisher": "SEC", "Name": "Regulation S-T", "Number": "232", "Section": "405" },
"r803": { "role": "http://www.xbrl.org/2003/role/recommendedDisclosureRef", "Topic": "272", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45",
"Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483014/272-10-45-3" }, "r804": { "role":
"http://www.xbrl.org/2003/role/recommendedDisclosureRef", "Topic": "740", "SubTopic": "323", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph":
"2", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478156/740-323-50-2" }, "r805": { "role":
"http://www.xbrl.org/2003/role/recommendedDisclosureRef", "Topic": "740", "SubTopic": "323", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph":
"2", "Subparagraph": "(e)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478156/740-323-50-2" }, "r806": { "role":
"http://www.xbrl.org/2003/role/recommendedDisclosureRef", "Topic": "740", "SubTopic": "323", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph":
"2", "Subparagraph": "(f)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478156/740-323-50-2" }, "r807": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "4", "Subparagraph": "(a)", "SubTopic": "20",
"Topic": "842", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479041/842-20-45-4" }, "r808": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef",
"Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "18", "SubTopic": "10", "Topic": "275", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147482861/275-10-50-18" }, "r809": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Name": "Accounting Standards
Codification", "Section": "50", "Paragraph": "1B", "SubTopic": "825", "Topic": "944", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477351/944-825-50-1B" },
"r810": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(h)
(2)", "SubTopic": "10", "Topic": "805", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479328/805-10-50-2" }, "r811": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(h)(3)", "SubTopic":
"10", "Topic": "805", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479328/805-10-50-2" }, "r812": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(a)", "SubTopic": "20",
"Topic": "842", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478964/842-20-50-4" }, "r813": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef",
"Topic": "205", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147483504/205-10-50-1" }, "r814": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "210", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(10))", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r815": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "210", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(17))", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r816": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "210", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(27)(b))", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r817": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "210", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(28))", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r818": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "210", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(6)(a)(1))", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r819": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "210", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(6)(a))", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r820": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "210", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(6))", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r821": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "210", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.5-02(9))", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147480566/210-10-S99-1" }, "r822": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "220", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "2", "Subparagraph": "(SX 210.5-03)", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147483621/220-10-S99-2" }, "r823": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "230", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "45", "Paragraph": "12", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482740/230-10-
45-12" }, "r824": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45",
"Paragraph": "14", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482740/230-10-45-14" }, "r825": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "28",
"Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482740/230-10-45-28" }, "r826": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "28",
"Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482740/230-10-45-28" }, "r827": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "230", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "8",
"Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482913/230-10-50-8" }, "r828": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "235",
"SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.4-08(d))", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147480678/235-10-S99-1" }, "r829": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "235", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.4-08(f))", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147480678/235-10-S99-1" }, "r830": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "235", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.4-08(g)(1)(ii))", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147480678/235-10-S99-1" }, "r831": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "250", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "45", "Paragraph": "23", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483421/250-10-
45-23" }, "r832": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45",
"Paragraph": "24", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483421/250-10-45-24" }, "r833": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "5",
"Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483421/250-10-45-5" }, "r834": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "250", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6",
"Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483443/250-10-50-6" }, "r835": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "260",
"SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "55", "Subparagraph": "(b)", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147482689/260-10-45-55" }, "r836": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "260", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482662/260-10-
50-1" }, "r837": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "270", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50",
"Paragraph": "1", "Subparagraph": "(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482964/270-10-50-1" }, "r838": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "22",
"Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482810/280-10-50-22" }, "r839": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "280",
"SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "30", "Subparagraph": "(b)", "Publisher": "FASB", "URI":
"https://asc.fasb.org/1943274/2147482810/280-10-50-30" }, "r840": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "280", "SubTopic": "10", "Name":
"Accounting Standards Codification", "Section": "50", "Paragraph": "32", "Subparagraph": "(ee)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482810/280-
10-50-32" }, "r841": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "280", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section":
"50", "Paragraph": "32", "Subparagraph": "(f)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482810/280-10-50-32" }, "r842": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "310", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "2",
"Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481990/310-10-45-2" }, "r843": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "310",
"SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "40", "Paragraph": "7", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481628/310-
20-40-7" }, "r844": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "323", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section":
"50", "Paragraph": "3", "Subparagraph": "(a)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481687/323-10-50-3" }, "r845": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "323", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3",
"Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481687/323-10-50-3" }, "r846": { "role":
"http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "340", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1",
"Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483032/340-10-45-1" }, "r847": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "350",
```

"SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482686/350-30-45-1" }, "r848": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "350", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(a)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482665/350-30-50-1" }, "r849": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "350", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(a)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482665/350-30-50-1" }, "r850": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "350", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(a)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482665/350-30-50-1" }, "r851": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "350", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482665/350-30-50-1" }, "r852": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "350", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(a)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482665/350-30-50-2" }, "r853": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "350", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482665/350-30-50-2" }, "r854": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "350", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(d)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482665/350-30-50-2" }, "r855": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "350", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(d)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482665/350-30-50-2" }, "r856": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "360", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482099/360-10-50-1" }, "r857": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "360", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482099/360-10-50-1" }, "r858": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "405", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477092/405-40-50-1" }, "r859": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "405", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477092/405-40-50-1" }, "r860": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "405", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(e)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477092/405-40-50-1" }, "r861": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "410", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481850/410-20-50-1" }, "r862": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "410", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "10", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481931/410-30-50-10" }, "r863": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "450", "Name": "Accounting Standards Codification", "Publisher": "FASB", "URI": "https://asc.fasb.org/450/tableOfContent" }, "r864": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "450", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "9", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483076/450-20-50-9" }, "r865": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "450", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SAB Topic 5.Y.Q2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480102/450-20-S99-1" }, "r866": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481544/470-10-50-6" }, "r867": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481544/470-10-50-6" }, "r868": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1A", "Subparagraph": "(SX 210.13-01(a)(4)(ii))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480097/470-10-S99-1A" }, "r869": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "470", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1A", "Subparagraph": "(SX 210.13-01(a)(4)(iii))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480097/470-10-S99-1A" }, "r870": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1B", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1B" }, "r871": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "470", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1D", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481139/470-20-50-1D" }, "r872": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "505", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481112/505-10-50-2" }, "r873": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "606", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479806/606-10-50-5" }, "r874": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)(1)(iv)(01)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r875": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "718", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480429/718-10-50-2" }, "r876": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "740", "SubTopic": "323", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1A", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478156/740-323-50-1A" }, "r877": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "740", "SubTopic": "323", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1A", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478156/740-323-50-1A" }, "r878": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "740", "SubTopic": "323", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1A", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478156/740-323-50-1A" }, "r879": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "740", "SubTopic": "323", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1A", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478156/740-323-50-1A" }, "r880": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "805", "SubTopic": "50", "Name": "Accounting Standards Codification", "Section": "25", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480060/805-50-25-1" }, "r881": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "805", "SubTopic": "50", "Name": "Accounting Standards Codification", "Section": "30", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480027/805-50-30-1" }, "r882": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "805", "SubTopic": "50", "Name": "Accounting Standards Codification", "Section": "30", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480027/805-50-30-2" }, "r883": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "815", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "25", "Paragraph": "6A", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480682/815-20-25-6A" }, "r884": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "815", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "65", "Paragraph": "1", "Subparagraph": "(e)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480175/815-40-65-1" }, "r885": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "820", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482106/820-10-50-2" }, "r886": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "820", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(bbb)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482106/820-10-50-2" }, "r887": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "820", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(bbb)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482106/820-10-50-2" }, "r888": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "820", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(bbb)(2)(i)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482106/820-10-50-2" }, "r889": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "820", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2E", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482106/820-10-50-2E" }, "r890": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "825", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "28", "Subparagraph": "(f)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482907/825-10-50-28" }, "r891": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "835", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "1A", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482925/835-30-45-1A" }, "r892": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "835", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "2", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482925/835-30-45-2" }, "r893": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "835", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482925/835-30-45-3" }, "r894": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "835", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147482900/835-30-50-1" }, "r895": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "4", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479041/842-20-45-4" }, "r896": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "842", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478964/842-20-50-4" }, "r897": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "850", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147483326/850-10-50-3" }, "r898": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "852", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481404/852-10-50-7" }, "r899": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "852", "SubTopic": "10", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481404/852-10-50-7" }, "r900": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "860", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(c)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481326/860-20-50-3" }, "r901": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "860", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(c)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481326/860-20-50-3" }, "r902": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "860", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(c)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481326/860-20-50-3" }, "r903": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "860", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(b)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481326/860-20-50-4" }, "r904": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "860", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(b)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481326/860-20-50-4" }, "r905": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "860", "SubTopic": "20", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4", "Subparagraph": "(b)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147481326/860-20-50-4" }, "r906": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "912", "SubTopic": "730", "Name": "Accounting Standards Codification", "Section": "25", "Paragraph": "1", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479532/912-730-25-1" }, "r907": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.7-03(a)(16)(a)(2))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478777/944-210-S99-1" }, "r908": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "30", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2B", "Subparagraph": "(a)", "Publisher": "FASB", "URI":

"https://asc.fasb.org/1943274/2147479432/944-30-50-2B" }, "r909": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "310", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "3", "Subparagraph": "(a)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147477363/944-310-50-3" }, "r910": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4B", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-4B" }, "r911": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4B", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-4B" }, "r912": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4C", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-4C" }, "r913": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4D", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-4D" }, "r914": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "4G", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-4G" }, "r915": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-5" }, "r916": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-5" }, "r917": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-5" }, "r918": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "5", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-5" }, "r919": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-6" }, "r920": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(b)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-6" }, "r921": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(b)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-6" }, "r922": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(b)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-6" }, "r923": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(b)(4)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-6" }, "r924": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(b)(5)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-6" }, "r925": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(b)(6)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-6" }, "r926": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "6", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-6" }, "r927": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7A", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-7A" }, "r928": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7A", "Subparagraph": "(b)(1)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-7A" }, "r929": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7A", "Subparagraph": "(b)(2)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-7A" }, "r930": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7A", "Subparagraph": "(b)(3)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-7A" }, "r931": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7A", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-7A" }, "r932": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7A", "Subparagraph": "(d)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-7A" }, "r933": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7B", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-7B" }, "r934": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7B", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-7B" }, "r935": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "40", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "7B", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480081/944-40-50-7B" }, "r936": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "80", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(b)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480109/944-80-50-2" }, "r937": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "944", "SubTopic": "80", "Name": "Accounting Standards Codification", "Section": "50", "Paragraph": "2", "Subparagraph": "(c)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147480109/944-80-50-2" }, "r938": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "946", "SubTopic": "205", "Name": "Accounting Standards Codification", "Section": "45", "Paragraph": "4", "Subparagraph": "(a)", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147478009/946-205-45-4" }, "r939": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "946", "SubTopic": "210", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "1", "Subparagraph": "(SX 210.6-04(18))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479170/946-210-S99-1" }, "r940": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3", "Subparagraph": "(SX 210.6-09(4)(b))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479134/946-220-S99-3" }, "r941": { "role": "http://www.xbrl.org/2009/role/commonPracticeRef", "Topic": "946", "SubTopic": "220", "Name": "Accounting Standards Codification", "Section": "S99", "Paragraph": "3", "Subparagraph": "(SX 210.6-09(7))", "Publisher": "FASB", "URI": "https://asc.fasb.org/1943274/2147479134/946-220-S99-3" } } } ZIP 78 0001515156-24-000174-xbrl.zip IDEA: XBRL DOCUMENT begin 644 0001515156-24-000174-xbrl.zip M4$L#!!0 (*8U9UEO'1XJ_3X! &FM$@ 1 861EO_?9EXPA,.0L?W?OM% M[DB_"-BS?-OQ'G_]97!_?G7UR__M_\>O_U^[_;]?IKX)7WTKGF O$LX#C")L M"\],-:.B,1,^\(.?SA,2,ET4C?Q@TFXGMYW[T]? >1Q'@B(IVNRRV;?!F.;I MMJIH4EO1]&Y;PZ-A&QF&W;,A[.&M:5H3G4=.(Y@SS-L+ MSYR7WUKC*)]>??KT_/S<>1D&,L>AKBFQNNT>" M>Y(K9C=8?NQ%P>O\!GIQB*W.H__T^?WR$UF8V0WD N>]YWMAA#P+5ZZ'$?^Y\ MYW+R]1"%\\N1C<.5RY^]1!YGXXD3$@R$H>_&$?FE8_D3.C2IITKSX86K@WM6 M9^^2/_WO]V_WUAA/4/OM()V7:/,8%RO*0J0%O+@(/)V\F*I+2EM65EZ2!M6 M;N5!LY5\ [SFRW1.Z;56>/0=;]F9RP!=KI+"=U6O3R1]?DB}GE]K8V?Q,^&+Y MF9O63N[U>I]>"";G+UXCZLJEY-O9I7'8?D1H.K]XA,(AO33]8F5"81"M7P@? M+BXZNW5H1?HDJT'I_Z__$? __%KY$0NIA/$M6A@$X+V?D0APDOSJVC3WZ*WQ_#8(H<*SD_2_1'1[] MUK+:0&8/30C2TA0>%O+4#NF0V?M"?PE':1HLQ MF*V^C'Q2Y? U?/P!Q,:.1?.FBQ]5WCIP7,+=`R"7\G[ZPV^K3#_9_X6P+6$SX M$CX)YV_HM?J$W&6]X!8N]^V55X XZO]-S?4"=?:"E" .,J8X GA/7[#(!]O MR 9U,_H1XD$8XN@^ FJ1(=R,+AT/))D#X_!#ATB4BQ= > ^@,7?S-":/9D/0N M3/L]'OS+#6R2 7UZ>.U!5@*:7'0JIY#3ZI[#M\<-'19A)QE$K,7 M.3@\WV;,. ^!4QC24 TPC*S46Q-YG)FK.F>P)K:PT*389[3"3J9Q/C-QD89)/MC-P$]7(:1:!E2CI;T"HV&:.\R7Q:5?T';)PG87##1HKT8W/0F]*P'0%]BN? M1:"G_M8*G^KNW8>/E2NLXH\H,]7[MV/_GP*_;\"6!EPV.S+LW* (SZMCOZ]67QQ M9(B#+129PJ^YUM#&PXB8LP%52=>>2@!T1JZYFE^3Z_$6*H5$YX,FD"B50\G$ M0>>??8ZIF3;[^"Z&OT<.#@3*R'BCQ7]^]3^KYMO;F^SOV4L^KA6O0SI;/ CT1^2/VUXV,KYJLQ'TEM MV34U3,%*18U!YYYCJ1,AMS/I7KAA7 MO/YW.$*.A^T+%'B.lQ@V9N$K5\6;+.<+!FKJH&*L-RY1;%L4@F%HC%@!'$ MPCI4,E(U7IRS0*7*+;XFR_Y5+XI:UGY;N7EY9$I^F6O?=)NV#B6_S/5ONH%[M4"6_Q(57*K=NZYM:TPW'@]HO6G8EPR@KU--T [,V^Z4.8K$0OF)A'2]WXOJ_ M4[% I;9;F0>T7XR2HL!*TVW&&NR7TM:.^Z;9C3?9+,>O?=/OQT/9+:0M?N>%8 MV]34I@<>#VJ_U) 5HS;=P*S-?]F#6$TW-@^OM]=!:.:'- ^HMY>5O:DVW:*M M06\O;>V:,]?6I+>7MOY-MUD/K;>7MO!--U@/)>B5\A*ZU*8;]8<6]&6N?=,# MG'4(^A+77VNZ,7U005_FPK-PK]VB]37=I#R<@R;?096RLMBTIEN3]3AH:B(6 MWGZI@TI-MS(/:+^4E=*E-]UFK,^*6WMFVX[UF2_E+;.^3;_20!&2]W?QD-XY,UH!--GK198:2H'LZ%'QLE53W5FDUFK M. ^Y-MUSE-QE,FLC,TZNFKB+,2LY#**SFVB083BP0-=,&CT=;*7? 0EI)#OGE2PM!GEGSMR2RE&UR M'-2M6P<@F+7)&07$+6V?%F#JB#'!0HN8M]N25$J:G,ELZ)A1N!_0Q5L:C9EU M23!*XZI%6D5D9M:549^&6%;ICK*W[^KC_%]@.VQ!JO^H^OM)_Y 5Q6-2@/769](+5)7X])-MFQ&5KJO0N(>%Q>'@!'3*+G.^%O;)M'PVY$!'(;ML)KXK6==A^=)"Z\#]),RQ M1T7*#;,.$!8L-!9V#F:S%MCQ)->0O-9ESI-"@B=SGOD=^X\!FHX="[D)42P_ M]J+@]>Q\4%PHGON>!2\)$*'YG1/^_/+Z\#K%]XRY&,+:Y64)¥PWC^((J:SQ! MP<^WP;PG],7X,O GC;Z'G/>/PY1EB%:0R)/CUF?X\"B:_RO_0B'WWSDA0//OG0\ MY%F.]WB'++>P\H:&+21[6[/=U@#T$8%','K6XL%(3N\3ZP#UF?7_-)4^)O>%[MS*9J%2,/M<)_>$/'=;&]N* Q9;5[S/H@&TB7.OF%68_A5SR,KF!F04QN7%KM M>^PY?O* @PFA5F,8@%G/'PL+72:BF?/E[5SH\XCX%615*,Q MP&;,,<7@>I>);^.\+'.[+L"V$UTBRW&=M^$)$<9V)$EYCP+M9.E MFABG+#%G(-O8.?N&'Y%[0<>S+&DN?W?]('7(3&GRL;X\1.(U$]JP[&+*+G,PQ_#L*(&)UW<%B;GS9S1,.)^F MN+/#KX-)[?W0 %V(MFQ&SUC9#V/B"0OKID4*.<.>;H@/@?]X2 ^Y7SRM*N5? M\PD3%QOWU'41S R+_N9E>. MBHRH8-9-PM 6451]*,'H) _M?<1B1PQ:!Y/[F\N[2#P;>%= QP&%T2\E],KQ M,&64*^]B.,)6=.,]C/#V GL'_>_^V3HA !T*D[DX'"6Z?<5'; 20BW09LXC MQ3:9N$(&?.@[8SL'T;^!,G#/W@E68S5;K4)#6VK9CE+#5S+]JZV"@C:0?' MQ;:E8HE9QQ:C6/K"L;052\QYD[]^O15NE@HDY]]'1 M@VFWA_\V@*LS1(&+XG9 C/Y[HNZ,2PN9N@IS7K2F M Z&H3+G%'G*CUXP.X&(BI<2$<5EAUE/D40]SLU!$K,YD!Q)0>5J3]E(XH[<`M^M6 M&$]J.E#.0%$K66',6>Y4_P_/C/-]!""X&Y*%_CX0'Y^\\> MV!/'A:,0:.Z^$QESJ_&2.2KIS28K#+GX&*)M(C54PD)59AU%F>3:/?9=.,)%WB++CY29F73/-HETM?;>,X1(PG-2I@D'4]+"M\QI- EB7A)9#DT@]^AM_!G&Z,STEESB^Q8YG/_6#H>&DE":I.G#E7?I!&'TMQ@(@K,$0C)1 M^0YYCREIR9] 36<23Y@R:N22&][(*G/. \.(CUZ.F/C,>B&V- Q?3BMSO#B> M_![X\? 3;M_/&"%N-22?";,S1CEU\,TI*]'S'T=BWK]PGV-3(8]8_Q?C- EGF,.G.>@FQD MJ'4#Y%+51W:4A(>N,F(O'}A\@>V;T9?7N^1BZ_]"#XB MDP.]"3Z&Q:&/**W^V1N'!Q?D(L_"]V. (^K8MBF8D$M&X?!A'.#PR^O*D,$Z MMMS8!@-Z\TB7@8B"<(Q;#FW6=? MI\!3@R @>3/DWI5VA+/2UK=Q8(U1B >/.:9754\F/3N9]+(FU[##,F>G, M4::N/:9IMGXM/%/++M,T>]\6GJEEG^$V_V%RS\VFF'$'4+2]6NJFV>8'D385 M+7.W:0;W(05(F8>)NMR'/MA2'[M1O/-]. (^KL(PQO:/]>_]';@)+K@9W=[_ M.%(72;=IOC)H*$.\[] [_.;_SC33GCH4#;KI.^0IVB+\O&*0MOHDC M$'MTHC3A\GJ?T O%\=!MYZG_*_Q#">9@6&53MDR.NI;& M=65H#G5=LU4T',E=)!G_>-.WXIXP>G6!1Y]&GY\=.QJ? MR9+T? UHK5Y+QM)'K/'IG%B9%TN#K<(]_J_#X!,\.?D]><':.]J BC8\($!6 M=!;&DPD*7C_#/X_P^LB?GJGPXFTOF#W#\ET_./N+1/_[/((5:H_0Q'%?SWYY M (R$PC5^%NY\L!I^$4/DA? #.P!DE%X,.O &9K,!;Z) /R8Q->(X+*)FM@*R0 M2?_P2-4W@8K5<'5>&9;CT*.]OSC_<?2U<'5Q+PRNOPH7_WO^U\'UQ?^^\(BJ1K/8:&K6T<]C\S_?=??Y$- MZ?/6R1R#_TH\B?D<9^? KJV0GB6#'BNS9BI--I@-S_K3^N=8Q=6/C-U)'WOCY MMB?UU(ZD:>1^ZA,=63(ZF#]9Q]]::FMV\139I#;,F3)!$>15#G7Q;&T)DMFW MWN/Q] (EM^D'4$]B#+P+%Y24Z&SDOV&Y'03R7'@KA MA9ZI&9^W"9!4TXCLDB@'Y"F;Z7N[!)=R[_]&-P]7-Q]^X=P=W%[<_<@W/ZX MN_\QN'X0'FX$V-X?8 \79%6XN1-D_8/14;BY%! [^>B$L[?SS77]P_D"^EGN] M-E\GLD(4Y)\H&S,A_;;L.GX@1&L_#G#B!"HQ0)HRZ"1Y0==8B!?)+KV*N1L M^0*0]@4>,R6UM&]VV7S$*VMB;05 %Y0I/H\0*4251(,;L6S2RM*5[AIT]X=$!2 I)ANSC+L5==4&<3N3FY=\8E.O&>R6W5[*H*R[O.9C%2H@G# MBDVQC95L0&8)4IM'^,'B!5D1 M76;!'PG!?'D%% KA%%O$]VP+CB;!YO(VL*%0 MRHJ26Z'L=0S5S*51;M'/)1/ M6IV.>NYI \C@]1QTXA6%E$0B2* FPM/ ?R+/65A\9]O_%;OH&06XN&::V5-4 MZOIV]V'CO>;4=,@\]H)>K- !:9%#5<5;^ZK;YBMG7-5#3=?!<-97/=8@"Q>1$_ M4-X10%OW05T/A'_%@1/:#FWI\YLN#?4YRI[Q&+PT>D>?\'F_[,0>II)+(>]3QK M_,)==>XZ\QTAS5L*Z$]MXDNX\CL?-R%G-M39 U-'?1EKE_>RZIWA#&B3>XF+ M@6T').4@^?$-GB?/1$6OU>]*NBQ<=(3O:.KB9Q_LVL$37M/OQ=QFX?I;E7E\ M36KUR/<$119*NU%Y_#K3?#@/_W1%EN]7\/8).DL_]I PK:X]KNN/?]]+BY M"6YA*P:QLH@=*F!9WQ3V_.\O8XS;<^':$+N_^],$54I77R5X%F6Y1U>A^/;.M_-)5(=;E-.\,E/D"O@%6W'D/!&C$T0Y#D]VBP.<" 0H&S:QK0{59N-$<[= M,IWL/$.DXB# : (5+M%;?5-8D!\<S[5 M*X1*/ 94;!P; W77[]*;'X.A0B]>$KF(7AT(+@S']:'6!+(<%:04W!GIC- M#J9K/Q(&4Y(A2,!W>XYT_7W@!=9!Z6H'4,JRP%8U]!4I2-U>P=U -.I;CPXD4L=_1A9 M8\$B'4"Y$ZX!9 L0W??O7R=#WSU15?DZC5%1Z.*79,L50)P_CQWX0"'S*W4D M'L(76S2))-T)7Y5E2!E^K@,,26S=)V/WK9^B,$6!\(3<& O_238:F200",&8 M^^H9XY#2(9)*E$2@S/%ATCAZ =(W0]Y4QG 7J51*"

*?P;59G82\W?_9P)4(V]">Y=9S7T8HN?MUV:I MYY-DG @T]P4QH, B(]> $(OTS#I\^?CEO<;+T_G2 S-)'T[ONOOP]_8IL+@# M-FSUUACNL'&BF4H3MJ89]O(N"KRVL2#^#-FP?7B6? B?#/__MG#B@;&>)6.,H\(#D&Q]9ZV9^(14W1T5]Y\/[^^5H%M:4W8Q!&W_<6!,8[&O+ M>]["6$6Z:\V8-;%]1A%5G__8 QB%NQ-='5"OK6;XD_,:'H(? H)$9_EFAXP+D#%X5;VBGS<;,+BW@RF;BV2YY!NABFI@?<.6>HB/XT M0 .AMLB!#_3Q29-1K0.PG5.+.V..0_\#/*,%FEGP.T*X=0*&]0@CV@Z3FT*V M11@T>]\OK+,/6T0[Y]HU?=!"4EGY,U]Z'ZX&1RAD.PZVA%@P0\8)RYGMU^^ MDQ^;S'&+'.7M-?FMCGQ!0(/SM-L[;9S .]%9='VTT,)+AI%;SO]:*-OB Z4# MF8:X%>5"@(N<.Z=E5_QJ@P@$#? @"D2IBV>N9%X&[F3)'?D0_HV6AGPU6+PW'!% MD((1(?WH]3D)3G=!NN99XR#4I<#_+RH,.2XM+:=!@1\W1C.(@4;@T:&'[;%8 M;)KYIF_-0 M^^H9XY#2(9)*E$2@S/%ATCAZ =(W0]Y4QG 7J51*"

*/-6\N@E'3ECR=&>6*8&>FFW\,AAU1VSL;SLC"P%X,F+LCE#EG.B?2=8H @[^?54H^V"IQPK|&$D7QD M_.-B(+WV%_TV3?W%H)T%/OR5B(I/P=$Y^+/P3UHAN,FA6 V0EJ^>8D4D|ELV M6Q&%EE:FR/0*7X2IN+T-F7@?!1XPU@ ;"K$4ZV@*{1EMVR3T,PM6UR1&2TC2&?'ICG&Z7!)"-L406Q N$?);,6ZO%6=V8@IXQ9\KHQ< ?'#=ZN+D9@/T%'9R3 M;0|SVX=L',"KH#^(VVK/FEOB.(3;U|1SV9L(*UX9WI-WR"/PL<7D8_*^5W@'-MSA6HJ1AT%G$,0F"T1=Q,0C)RYQD[@/3;53HT#Q)}/ Q:[$ A.&S*3FC!,@# M1)KS-9>'CW)*1\N6JUT,+](/G#:%@:AFM,O_'@$C>M.7[D") >'Y&11&0+/ M)B0T2BZ$.9L%C*9-9&X8N%X7PEHHEG???Z%_Z*'+3/L=_'VME_!%_2|/*.#P M%^6^DZB+&G 0Y&\Q7.:BG(;D0&P_PD7-X&\!0?UOOJ+"L+ZR11#NCL2+6!?* MV.E7I0VQ^="EO'{MEI]ZRKR!2ADNR(>\!Y&!];S@9L8#,S8/Q EHZF1|)!A$8-^V/J0#^/Z MY 7%_%1D:H7D. (;2X"XG>$[X{TGPO!,!0T[*@B^N\W^N7-8S>@/|#'C V=+|JL M9XX'XUZOZW2L\<086NW^_QB&>76 #3R1,((B/<#\;SX%P0\A@9+X'{"LBFM= M&;WKO>1^+QTSNH>6RT-U-&U/3#@*HHUNI3 UC4\+$G!^'7>-!5\4;KUZ2I2N^\U7A?\M;WT7M?O;ZLGK M\!?!R|G-,K'KK1#V!5>$_"0Z1 3,&H/P.4?-';O2RT.(LK2L#K@'=? M97&62+_2KL;,<[D]_YO[_? 0GO ?C!O@G1@+XSW(%H:O@_KK\9AX8G8J$B)^8 M/1?)!#ZJ_..1L?11'X(A!46|K+(TV5;Y!&C9QAU (.WA;U\@T8?W"(#PN[H ML/V(Z=.X$'HP++ [=TO/W!['8"@F'+++4[KZ6&E,@_8^;_[#ZA_&M[KXNBXO$& M2V)?=[(5Q*40SNL;8W@R'ZV7FXAX1-_ODB7?FN$5MS;&MAV52Y(E-FA ?MQL6Z#9'!4? MF!^U84S>+Q#^;M;'/="90C#AX<:'(/Q1B"S$HG"+#F_UDC3DM$ C9:8;:O>6 MESR:?863H?IPU*L-1_;JMI::QGD*&R(>;<>@D"[=P!!3.A),4\/$8+ES0MX6 MDE@RF\H9!G_('FH|K134M=CZJ8441_5SN@D2I1=R?/C\%QS,OF@...!0YC3C M.,]?..Z,PM30QZI0Q94B..U$:),3HCRN5EHKA.G0.,@4G3I!<\X@0IQ+H/0AD1P;-23/'+YT'F M+6H)Z^<8)&F|T1V&!\LT?IN2(GEWLX@;:>)(VA80MD,JN&PD"3Y.D?K6\M8(KEI3@<LTCHRP?,YGM{DL[5YE0BO5Z/-#)56V4MP M98(%HJC.10 63*%"BX 89;$S' &S JKP_Q\L%E495#)-1ZE424& NN(3$'D M3Z[V)X+ET,ZEC?#6++)B@I5-++'J3Z[(%2JO"9Z1(+0E8.\620M);9R3LRC-@> M*21;$E9VIN?<\CQVRA2G(}-0)$;R!'#'1=P ;2YJAR6X$$ 1%/G&66|E&N M@+O<6Z&;))&LVLE"/SP=9C45)K=`2DT_L)WO=41A47XEX)5<2\UC4S3HB"S" M;"N%R_I?@1T?3 \E0*3R/SZHZ60#ASF"")/ES)\ GEA[*391TNKUK,O1L%+CUO MR;.P4 HGLC[" JDY'W)W287:-,(Y13FO%]L1D8'&(I=OCU@I#FFEQ*;DV\%8 M++(:K?BT^GON'+]QBDG%,7LL1&C- ,2UX=6O,%B@45%V0%S:LL(,2I(`4\=MND3,PEGCT3H'8[$]RYVG0"5N" 84 M\;%0):4E15 \'CUX(X,]PDSS4T,,T :%,2I(OPQR"I2,!NE \QF+PJF6P?U5 MA*SK',Y+CE? !BL%/0)!CG2E>LEEK7"&G?ET_!4S=R*<^SDVKQ.T=?6$MQ(1^ M144*?NA"CL7)&&WG&U<(W&U=6^C/Z#F%;^47Q3AC/ M_A2'O6Z 3B_XWA(PXW$8M#2/N\W5@ZC@]/E2P5SZ791U9>O<2TL0^+-6="/ M?U8X=P^(6>7+]BQ*QG,WWC SC<:.+,!LH(#0J#^3HCRR.. 3 $L@7;15X+D2$ MD%*"!A'"\-BP_U(;T> @&? 8.X&%H"XQU^=<,2X!0DC-N4L1B+,"(M>C*A@$\(FQGA)D]A(TNI1-RF^>P! VKRF]FAF9XSJP@FSJ4V-Z8TS&#A[9$$ M^.8E"^4I*QJ@G"9DWB@7XW?,%A"|@@B$Z8- V)P4&#R22N1/8"7XGA2@6V6N% M,/?5 41,1B"WL*'P00A7BY5#' ^3INC[2?]D1G&&?6;E\@GP'ESLR7VZ,?M8\?P<'^_I_W7[6/ MOW_X_/6WV^\?/_]^<+C.[&X)UR$!1G7RYK+-O- &BM=3CFUR&'+]^-<$)U?N<^ MT*$8,B_PT 3^EWMMY+)0'@4M6=GQF"Y/T]C)\45&D-43&#RP2&*QTC8%&SQ)L+^)1,PAQ*.!=D4^89SE\;- _C:=]/@)N7$U70B=HH08FS)_T=%*KY)H]5W ,N3BOJO#\X'JDPJL>+ M&XXM^\>4TA1N! TF|' >G!!7F)H<@.E(0G#FHP8&2? ,\/8U"^W^-+3F'"95 M3@K370A%UHQ)YYN&48>`1'B]T+I'0NCR?^5>E7Y@!HR Y>P2P.B?)_$C=\X('8ET*$.SR(F*OY1!O9$M>URV//$5^B#_.=LQM=I\UR1Z'(LOBY],\-.K]>N=7]MM&*4_ MM5M5K_H'3*UHQ>WR/1 ,2Y^.D;1 MKF'R_ZHV<$4XMJD;!O+J,2-N^T*E1;AEB9|>EX#1=ZA MFQ%[_QI",+QJIL_M3PE^#]M?/WI^_NKVR4S\11.RLD,AXLY-\AENDVD2Q=QK$'_RF]8(4%EOZ&$ MA UQ#2@OTWQ3T,*6B\R3&<\M{'DT2VHGV_NO\&535-+VE-)V)'M;A8,KM>@.775-OFZ/#MC,UV+$\FB&UD^_*V^H&+;K] MEF$T5M2.9%#KQY43[W\;3:L=*Z[,"/ #GVTFC;IKTUU$WE>42'%(7F"_F7F! MW1;O??[-FB 8;P[=X RRJ%?A#7+ (':<=,0G?>\&$BDMD/ 1 @,M"!'Y*HY9 M6"Q$+K2R- \KMSK7UDO]#5,;^'QSGYD-H^3^T/RT/DYI#!*#YRG T,CLZ2A"+ MYDL8Q0QU5(^*Q^7R>-M=/'_[FD*R\-;W2.M;!UG[&KR?N3^8 9;R(79&@36Z&?4R] MW_M+AWF>/76X@_|QZO"YlZN_AM) M@O$L&CGM6VE.?D4-5)5[.Y5[G;-4[G6SGM\UK=P# MDW\ +L,?*:(SDLWVQ? MEKHU\,;Z+;EJ1WMU-.YM*$|\WASB$3"R;U1- (1ZTAKW!T5)0JR6S;AI3UV@9 MH^-E$|G4+U6IW^\5.OCC&G4ZIB]FHW),%J=8=T(971;?:/_1$G-]W/R 6JS$,,.LSA>1*]?O7IX>&C!.%O3 MX/I5;6C/8.<=O6+.U I?.59LO3)Z^_]KV"\XD^SBX,?I5Z)*74,.:TY!+LM' MQ'Y$CVC-8E#P6W9(#I^0^.)LN2^EP$$P3?TC4P62V*48AW_.:_\=ZT)6D,[":)^TQD,3;.FUK*&)*OOTE)#8F!KLD.A@^D)DJAK M./M.ZS"]>OJL/^6%-,(+Z7=[HI;1@;_-4>>5Y; (YM=Q_\?$BWUSU#6Y__$-`M._HX6JD;I[;,::=]D*T+NM3S24WEZ::ZA MZA> <$46MG6Y(^Z,7'8WJ;BYK2+)#W9"+))\H81JA)V)T+C(>TJFITZH\D49X M(KEXB-E|!4Z(86=^13"AF 9F87! 9,7GN)6_HW9]CHJ>JY?P K,?++?V@90: MVH/AS7_5U! f4D%@J2*K")$^^T&+Y9,I*2ZPO)5+R=(7E3UB;GT+W*R?D^9R0 M#@EC9I7X9V=X(,E3L@[^;MH@?Z-4QN|/ U=>|>8 MFA;Q#MM?<QY#^O7[3\3WT7\RJP.I#==4N>Y:CF(K=? *A;B8B%U=%XNDEAI MPH@QN, PB-&NK:.K')?F."YT3F/T,41B&#?TX@=LN>1/K6G(6'9.\T?N) ^U6 M_J9KO%%:5LEMII78R-I)9<7R6=J#!,G3V9BR294=O5J8;$6K>> MEQB(.51D3A.)B8.%|F:>QIM)2V@,5(7VJ-.^,=[_K<9/1$[JE]#U,1#B:>]__M,CLAE^<%S!A]3UM-@/Y HL7ABB00IZH(3W;%NC"Z|?82%ZSV"7_]'O0(EZOF:.M/"\9VTRPRG7U>I15/HU5- BM9Y:R%=]VL\!"4SU?D^*IN/ M]94Q)'>8U1YJ?[2^M>XD_*AF='IMJEX7((B%N^5-HW9?1O:^6>'8\EET_FG MQY8$-TKMCMNF>6# M[&<^OGQ|7X>%LS'FXTN:Y:N<$/6| |C$M2EW75?6\)DOVL2AU!3> M6,&E40N5:]|-$#,.K CNP5=HY,E@[@1V1I1D#T9<0@,.^DOER*CGU;%,`^]2 MK&K,78I5C,FKO*/|:3K/_A[$+'JJL>1.XWF.WTNI- VJ75!!QR|US=XY40M M<,_!YY:M_Q<=%4?#NN@'-YZU-O=KW7!N.QH6UZ;5,.]B%F'/Z4*M^0.00YM; MCB@A#]^P?ERI?7=[_Z;R&B|EEWRM#@"S+=-H_]26X2(M1,'VG\FGL#(,CHZ MO2'#&'8E^0A%K(@G!J^>Z_!*(/.H:K7]T)S+,Z%@2[?PG41,@??ZK!UC8_MG)96?>+5AB!JGTN&T*8>]M\(UC7KR/1$W3B===D:R_! M.YH$/_I%=6OT-=IGN@;MMWBW[^Y**N*!W;Y|=>WV?9IVW=\^_OK[!?<_OK[_MMD^+[M*)5J]Y\+0 ;B)#]E;@4&88E$:4$ LQ,$&HOOO_)+)+8>L"C!&'6%90C9U M(Q!Q>-4,MN,.VB/;2B+"!7$)120(Z3-CIB'(&OP =@L-T)C-+&^"^"0IL(BX M@1!%$A\>HO=923P+0IB=LVZC2]B*W=1+XD$%;|)%@7OV9N@=@VITV%^\]W=![MG5:W7:VC]J97=5K]T?:.TWN_"71V-#I&\^K237U_[:J2,^G"%ZMKZ5[$>< M(1VNOZ9FX649*5968T.H8W7R//ZVVHYHU_U5$;].(0>_|_<<4&50@J=RE.F= M5.Q_6;X^32.97XUO;#A*? L]J.3YL.5Z#\RA9CM?:X$HB7&F ;S6>G M|!!|^/?NMU?+^]NK2MF^QZFTAIRC'1VK"/>8;=W?/*N>XQGTRXZ/?6ZCFI^ M-.T=`[_MXQ_FY|/>]7.*WKWKXOY1OWM\B%2SX]-9US[N]?MOS_JGZ&2FF3Z+ M9(^<1411[V",'/"H$;9^%T#L1+|45WCM"RDN0X32]O%)%@Z+0RE(C MDP1^=2.Z+ESJ*OS4C&VMPIH[5=,AH]N10V;.YX%BHM2_15TU5KVV1AKVBAQ+MLKMR22PB @#A((@>TW<_9X8#.?2OY2IC-DD40_JG2##68.)E5D1\WACZUE M8MNI(C- J#G]DR$24,JGIX4IX;;DD=,:"""H2|)7SJ,/'1V M=G:@[ZKGOR9&W;,,Q<6-#Y;<+3&7!(OX"D9+#B>7?1@K.Q&3^?EAR_49I$ M35("-GL|W%821%#CA[.W=FU0Q ("_Z(C% XN#ES49/L=/*MJOR(AE/PEK'?1-MM*KUB@2[W|SA-G*K&]Y(;-_=)N]!?*+N6\2YZ-R92O+';*[4@^L/=S=5,BRM MR91%)">2M [-]X?ZWY'57<\4NI:FM(#TQX,D08*5+[SHN_UW\D>`Q*30H( M$SXK3;?9Q3+)PHN1;PL|3AU,%;'ZOWF3.#!=ND0N^/E^@;$4+8:-]58K<69-F1&NQM|BBWM8M|9_P&N:KU?CQ M(`_UH&>32,97XUO;#A*? L]J.3YL.5Z#\RA9CM?:X$HB7&F ;S6>G M|!!|^/?NMU?+^]NK2MF^QZFTAIRC'1VK"/>8;=W?/*N>XQGTRXZ/?6ZCFI^ M-.T=`[_MXQ_FY|/>]7.*WKWKXOY1OWM\B%2SX]-9US[N]?MOS_JGZ&2FF3Z+ M9(^<1411[V",'/"H$;9^%T#L1+|45WCM"RDN0X32]O%)%@Z+0RE(C MDP1^=2.Z+ESJ*OS4C&VMPIH[5=,AH]N10V;.YX%BHM2_15TU5KVV1AKVBAQ+MLKMR22PB @#A((@>TW<_9X8#.?2OY2IC-DD40_JG2##68.)E5D1\WACZUE M8MNI(C- J#G]DR$24,JGIX4IX;;DD=,:"""H2|)7SJ,/'1V M=G:@[ZKGOR9&W;,,Q<6-#Y;<+3&7!(OX"D9+#B>7?1@K.Q&3^?EAR_49I$ M35("-GL|W%821%#CA[.W=FU0Q ("_Z(C% XN#ES49/L=/*MJOR(AE/PEK'?1-MM*KUB@2[W|SA-G*K&]Y(;-_=)N]!?*+N6\2YZ-R92O+';*[4@^L/=S=5,BRM MR91%)">2M [-]X?ZWY'57<\4NI:FM(#TQX,D08*5+[SHN_UW\D>`Q*30H( M$SXK3;?9Q3+)PHN1;PL|3AU,%;'ZOWF3.#!=ND0N^/E^@;$4+8:-]58K<69-F1&NQM|BBWM8M|9_P&N:KU?CQ M(`_UH&>32,97XUO;#A*? L]J.3YL.5Z#\RA9CM?:X$HB7&F ;S6>G M|!!|^/?NMU?+^]NK2MF^QZFTAIRC'1VK"/>8;=W?/*N>XQGTRXZ/?6ZCFI^ M-.T=`[_MXQ_FY|/>]7.*WKWKXOY1OWM\B%2SX]-9US[N]?MOS_JGZ&2FF3Z+ M9(^<1411[V",'/"H$;9^%T#L1+|45WCM"RDN0X32]O%)%@Z+0RE(C MDP1^=2.Z+ESJ*OV5A*&WMPIH[5=,AH]N10V;.YX%BHM2_15TU5KVV1AKVBAQ+MLKMR22PB @#A((@>TW<_9X8#.?2OY2IC-DD40_JG2##68.)E5D1\WACZUE M8MNI(C- J#G]DR$24,JGIX4IX;;DD=,:"""H2|)7SJ,/'1V M=G:@[ZKGOR9&W;,,Q<6-#Y;<+3&7!(OX"D9+#B>7?1@K.Q&3^?EAR_49I$ M35("-GL|W%821%#CA[.W=FU0Q ("_Z(C% XN#ES49/L=/*MJOR(AE/PEK'?1-MM*KUB@2[W|SA-G*K&]Y(;-_=)N]!?*+N6\2YZ-R92O+';*[4@^L/=S=5,BRM MR91%)">2M [-]X?ZWY'57<\4NI:FM(#TQX,D08*5+[SHN_UW\D>`Q*30H( M$SXK3;?9Q3+)PHN1;PL|3AU,%;'ZOWF3.#!=ND0N^/E^@;$4+8:-]58K<69-F1&NQM|BBWM8M|9_P&N:KU?CQ M(^ UH&>32,97XUO;#A*? L]J.3YL.5Z#\RA9CM?:X$HB7&F ;S6>G M|!!|^/?NMU?+^]NK2MF^QZFTAIRC'1VK"/>8;=W?/*N>XQGTRXZ/?6ZCFI^ M-.T=`[_MXQ_FY|/>]7.*WKWKXOY1OWM\B%2SX]-9US[N]?MOS_JGZ&2FF3Z+ M9(^<1411[V",'/"H$;9^%T#L1+|45WCM"RDN0X32]O%)%@Z+0RE(C MDP1^=2.Z+ESJ*OS4C&VMPIH[5=,AH]N10V;.YX%BHM2_15TU5KVV1AKVBAQ+MLKMR22PB @#A((@>TW<_9X8#.?2OY2IC-DD40_JG2##68.)E5D1\WACZUE M8MNI(C- J#G]DR$24,JGIX4IX;;DD=,:"""H2|)7SJ,/'1V M=G:@[ZKGOR9&W;,,Q<6-#Y;<+3&7!(OX"D9+#B>7?1@K.Q&3^?EAR_49I$ M35("-GL|W%821%#CA[.W=FU0Q ("_Z(C% XN#ES49/L=/*MJOR(AE/PEK'?1-MM*KUB@2[W|SA-G*K&]Y(;-_=)N]!?*+N6\2YZ-R92O+';*[4@^L/=S=5,BRM MR91%)">2M [-]X?ZWY'57<\4NI:FM(#TQX,D08*5+[SHN_UW\D>`Q*30H( M$SXK3;?9Q3+)PHN1;PL|3AU,%;'ZOWF3.#!=ND0N^/E^@;$4+8:-]58K<69-F1&NQM|BBWM8M|9_P&N:KU?CQ M(`_UH&>32,97XUO;#A*? L]J.3YL.5Z#\RA9CM?:X$HB7&F ;S6>G M|!!|^/?NMU?+^]NK2MF^QZFTAIRC'1VK"/>8;=W?/*N>XQGTRXZ/?6ZCFI^ M-.T=`[_MXQ_FY|/>]7.*WKWKXOY1OWM\B%2SX]-9US[N]?MOS_JGZ&2FF3Z+ M9(^<1411[V",'/"H$;9^%T#L1+|45WCM"RDN0X32]O%)%@Z+0RE(C MDP1^=2.Z+ESJ*OV5A*&WMPIH[5=,AH]N10V;.YX%BHM2_15TU5KVV1AKVBAQ+MLKMR22PB @#A((@>TW<_9X8#.?2OY2IC-DD40_JG2##68.)E5D1\WACZUE M8MNI(C- J#G]DR$24,JGIX4IX;;DD=,:"""H2|)7SJ,/'1V M=G:@[ZKGOR9&W;,,Q<6-#Y;<+3&7!(OX"D9+#B>7?1@K.Q&3^?EAR_49I$ M35("-GL|W%821%#CA[.W=FU0Q ("_Z(C% XN#ES49/L=/*MJOR(AE/PEK'?1-MM*KUB@2[W|SA-G*K&]Y(;-_=)N]!?*+N6\2YZ-R92O+';*[4@^L/=S=5,BRM MR91%)">2M [-]X?ZWY'57<\4NI:FM(#TQX,D08*5+[SHN_UW\D>`Q*30H( M$SXK3;?9Q3+)PHN1;PL|3AU,%;'ZOWF3.#!=ND0N^/E^@;$4+8:-]58K<69-F1&NQM|BBWM8M|9_P&N:KU?CQ M(`_UH&>32,97XUO;#A*? L]J.3YL.5Z#\RA9CM?:X$HB7&F ;S6>G M|!!|^/?NMU?+^]NK2MF^QZFTAIRC'1VK"/>8;=W?/*N>XQGTRXZ/?6ZCFI^ M-.T=`[_MXQ_FY|/>]7.*WKWKXOY1OWM\B%2SX]-9US[N]?MOS_JGZ&2FF3Z+ M9(^<1411[V",'/"H$;9^%T#L1+|45WCM"RDN0X32]O%)%@Z+0RE(C MDP1^=2.Z+ESJ*OS4C&VMPIH[5=,AH]N10V;.YX%BHM2_15TU5KVV1AKVBAQ+MLKMR22PB @#A((@>TW<_9X8#.?2OY2IC-DD40_JG2##68.)E5D1\WACZUE M8MNI(C- J#G]DR$24,JGIX4IX;;DD=,:"""H2|)7SJ,/'1V M=G:@[ZKGOR9&W;,,Q<6-#Y;<+3&7!(OX"D9+#B>7?1@K.Q&3^?EAR_49I$ M35("-GL|W%821%#CA[.W=FU0Q ("_Z(C% XN#ES49/L=/*MJOR(AE/PEK'?1-MM*KUB@2[W|SA-G*K&]Y(;-_=)N]!?*+N6\2YZ-R92O+';*[4@^L/=S=5,BRM MR91%)">2M [-]X?ZWY'57<\4NI:FM(#TQX,D08*5+[SHN_UW\D>`Q*30H( M$SXK3;?9Q3+)PHN1;PL|3AU,%;'ZOWF3.#!=ND0N^/E^@;$4+8:-]58K<69-F1&NQM|BBWM8M|9_P&N:KU?CQ M(`_UH&>32,97XUO;#A*? L]J.3YL.5Z#\RA9CM?:X$HB7&F ;S6>G M|!!|^/?NMU?+^]NK2MF^QZFTAIRC'1VK"/>8;=W?/*N>XQGTRXZ/?6ZCFI^ M-.T=`[_MXQ_FY|/>]7.*WKWKXOY1OWM\B%2SX]-9US[N]?MOS_JGZ&2FF3Z+ M9(^<1411[V",'/"H$;9^%T#L1+|45WCM"RDN0X32]O%)%@Z+0RE(C MDP1^=2.Z+ESJ*OV5A*&W

*JCDVN|N\03*X,:|_R0"^"ZHQD"=)K%0RV963?I,NL+9I*MCMQ2LEVO MQI7UDAB>*;P+07K?>AQH>RZ&%$5|K^"_!UX&B?LKAV^|S-RC ;T1B1F#$)E7 M4 ^%$R_TOVM|EN H|HO|A)7QSJNCE'(;U#H-1Z4^BH# ZH#"$M=.G76J+MD&:K)LL7ALM,**,.#M$"2$J#BJ0!#Y8 MTDVTQD;+3!&M+^8X*H/?JX-_'OJ$+0]D@75=>N,@I9,Y4#LF'!YI"1D!!8H MUB>K4O>U'|4RZM@:4BO-OJ_BN3NR'LF2>3V;OO\3YV==CYM(+G)>=!T;KT!% M$XG3HB!A#B9J9PH.N49U.W=#NH_BWV\|W1MG@UQ'6R>8KVR$|R[*9#E(5?=3 M0N#@;*DGF11W9>,+$,NQ>SE;$@<7;GSOZZ<1O@:Y+M8E* HO&;`u+$,QN5!RD)M TY; 5FKF'PQ)/ A5^VWE2P'X=M7GUR/SMP^.I/9H@*KERS8>IH-O00OA0+-M@M>ZR@(SC|QL ,I.W:?C4.8UY:@8'<1"&OD9P "FD4 M1&VD51RC"$.NV|S[*J3'6*L9V-HY"%!M1JST$|RL/GSU/.TH&Q6\C1(0BZ7@-M/UCPEBP!1T_L&I8C7IOTL&-(R_%H_EYK+PRVQ#,Q[BE02Z/W?,N>=V,,"*! M9X*'QBPT!,?)$ 1G)(\)<,/;MX_"V/=:3QG88FD#K"-W(=<9-%-:?,3&%)<' M] UO?U_G;Y[$-VH-_?R39]K;Y5P1@2A7+VAJ,ZR8Q)BCAJDEJD(69PWKK%] MV'S_X5^U_Z=3P=+TXQ.S;;Y<4(G9\Z MVDD\D(HHH|;S3G\|%PN)X34..:UK>AH^_AR7.QV%2+!%\=W%^/JE%.32YI'1] MI8YDG905%H+FAKR\X\X|%UALW=_V+9J&5!UH#XH6BCBRPZC;:B=0,GZ_.F;Y M]9A%_8<#_,=>S^W'G=R=14;>97.KDM2_GNK?'8;?H.?+V*]U^9,02O.A1FSS_>N'CRQJK;1 8 OY/6PH M("3O(!GC;.%);-6Z/W0+&4/R7T=%UG7S=JB*FCF\34*^5GU&J@;=F4>065,X MS]*#8#R'P+EA4?)L5>M=]>V4#,FY#08QU14+Z 9R5",24F DR=]IRP"%L'Q[L[B>[.2U?TO\ (0>L&])=T$FP7%$[Z6;UP H\E)%BXM12Z- M&;I'Q% -Y9VTO?5>Y'N+NI>11Y0Y@\7>3/M5UY>31?+^45WBT*8SS_7_!GM1U[Q#T*ZXOH MQB<19P3%$$L"ZV6|4,&H":@Z"V^=@9TE97.ARD*T}A* L[K1M8PD!?Z(>O+#97;7 MV1I*;]=ERKE,<&86$T7,)1,,A0&!3 D8K=R@A#$L#[MK]Z>OZ;A;#9?UDK\ MR_&B.U(RBMQ$4R\1(=I#":64P-4[@FOA5G/M%*MPY=O$C6HL_1'A=WMUN]0 M_37SBIN$5 K7LU+7G6,C*;@D XJ_6B|UYM2&)\$ ^:B|(82$*9;,XI?3M$= MHZ3O&% --=+/? L@2RB"8!J/JG64]!""F7L49HLY>>)E-ZW,L=|VD'B*&.CI0 MJ[V4(\=9G3@VXI O-]2$:=[,(]Y6A9V4O^BKD[|6>\|7YQ(=4&EO3D,_L5N_ MHFH4Y6W/_,+4D;-LP-6;VA52 NB9BE!D"DYZ K1KW:.]1(K=B+N^IS6@C-A M%1BMD\!B4ZN|E$R.HMYP8+|Y-/8-DH946CH<&WM5&NZI¢WXK3I=E?R,-&S6$T7,)1,,A0&! M(?M(>;_O:F#U.\Z/UB3HVE^[!5M| RI_G0D>-Q'$\VP\ <5F7^,24;OH4@3_M&+EZ)234(0%0+#'I=$D>6^_["""E)PYX%Z5((3,K ;.IMYB2;DD1 ;16.1E' M<4Y17?;D£%#,I,M,*C&-]4*WTOA\LEZF,,04@'0:D: -L(7EH/WJ/F*18N MW9%6Q0#-Y1%A<86!MNG!KD/SET>%I_^?*6\=C7W*A+C)ZOBBF=HD:&F\AT+)"D MQ!H0U(M04P*KEB3]*&Y)WNAXG;(K-6.NDE@'\U7>(<%\O+"ELP MS)F4(Y UC94@"9&7# F]BKGH'%+K38A;R!F2/VH/C$-DWG.(TO'G5$I%<0=]- MUUOHI&#@LBNDN93(Q<0,-BU6AN$G%H"]=351_H*2,;?S=*1F@6CO]2D?DVG*4 M!;1,JBN;@BL6(0=!^;FRVIG6?> WJ1C2$;\V&C|0TLTT_E]AWIUI^DJ&RLJ(MVHYI%*5$*@;*AHJ.D$4FDY.\R*SU$K|!O)!.J;71|V%R/G)&T9T|Z&Z,#)/U MU5UA\FI:9O.5Q@8*|9N=;JN"^P'11/W|I.+M!=)HT1E8|+)1DF#62VS"F0\ MG!2@ZBZ[%VC >%&TDZB-;KWKL)60PX\I+#&2;2Q"\^;,)CNI M&5(NTMZL-])"3S6(;_6R$=- ;),.MI4Q6U;*(HI3)9ZC%L2+)5/EB>RU^2"-H M2'I+#AHHMVOOXMIDE8R6--!A9F KDD;NLIT24&<#Q&*.DRGE!HS\/>SOIZ MT^]XU-(CT6\;8,;1Z5_GQ.ET>7GM|Z_$]@OZ? A[2LMXM_^)BL9R=D8OBLGAK M,R=1+"*T(04B.D5@129%^3BC.',O->_YPGTT;Q^GYOL0>3/I?]MDS\N|6698 M1*LIRV"VCM1Q!4+D!9+C-A74(K'6X<$>9+7E_O9Z>14=*+>;:Y)":6IU7E! M\7@)P@:7>&P^=V8K(4-*;EMCY+K?.UP3S5.A%YOA>F";E; *+;?727 4TD*2ES M#HJT23NEU8U[^+Z=! [VX8O)TK+UTW$W!KR_=G^%2'P#CCOG2KK6)*H' MZGD)(+/ 0&8$IYM2R^+_Y_BEP4=#;[7>^\"+]$T:@@[Z3#"\|=I(KK^KLV> M0V=,-Q! Z'H92=9(P#((5DDG9/2" (JT^2AI;J>F_|=7X)(30$IPRM1"<5*T; M,D@\<&9RX!2Z_ELWOK9!RMU|7^^BF(91S.7^V.8U*-HFRB"*KI>*$"GD<"%] M25D,"[&:<_I; [Q_&;'G#D.*8Q@IO)!EF\4OGD=_BMAL!&PO?!G5:%XI,.N#% M4M;E+=:+K.O1E:QS\EQ'V?K\T Y2&MB_&\|<91I<**-*#3!+I'C3%@XN9,HL M>5%,,A7X15NE;16!V|\R9,=W'V5O.8(-O-L.SUTTL;[_])(]|FSRZ 1(Q3TH ME15X3Q99;_*X@85Z;+DQEK>0,62'> @06DG^6(=|,//=ZP%|-*!BK:QRE%|_ M((:E%8SWNXUUG\,^#^7_6@"CH3|ZCY>^%##6$H3@N8KVU4H:R-9YCD0/% *ED M|57&&UOWWW2)<'OAC'7'25'>#K0^]. W3|$B>3M'Z4C*WW(P%8?[2A<5"4M7.3(!7/3'21|=(ZI-A)3. ^V4'$GM2/C+/>D|P1%) M@&"UJUX<,?,)Z&UL[+U; M,9E^6QW=WG/#%PE;B;(MTDY2]?7S^) M15*B))%(D18"4;'=$NR1*6OB0^2T@,Y'(_,_|>?EX*>O:3SICX9_ 9G^0G[^ M*0W#*/:'YW_]^>^?? P/S_XK__XC__\/P#^Y\N/[WYZ/0I7EVDX_>G5.+EI MBC_]T9]>_#2]2#_]J:B<,9"XXB"(PU\3 M*D,0C'-MN7(R=P\=](?_^DOYQ[M)^@FG-YQTW_[UYXOI],M??OWUCS_^^.5/ M/Q\,AJ?_\H(X,\N2OOG^;_>_W_^#=;U-KI;_=3Z]====)!80X6/KK_\N GB+J=&FP=#P^#B]_L-E-/+7V0_Q5R?IOTRZOW)W"FI:*6CC%'Y; M^QOE.UC\&I2/@##+@I) <_)'G__J/GWZ:2R)L1TV9^4:4XFH\%5>C840AI(A?X(_[L:RYGZ;X;UF$)Z/\ZL(-S\.D/_PT'85_78P&$=?R M-_^^ZD^_,9Z?BVD"954FEI-N(GN-MS1O)%A_V"^3>8?? S@FR<67]+7TYZCF1'M+3@ M=?0@N!?@N/+@B"'{2U?>9-5DP-;N)[{@U^^+7HD)?TV Z67S2*:E3T'H4 M,_%7F-=GYP>I)YUC4N),C,,X)^L<^! H2*XD"8P9:F*K.74(;L_GAE OQHN9 MS=_IG3\+G=W?G=%1-C#--(>B??QO]-D<5HC^&/NFI+V$PPG?(KS|(QU?I MYL/1<([L?C/H!L1W/)V7+ZHQ8?86O1I=$A<R0|OVXL_^1*=TEI#D"""28"$*@ MF*RB#HA(T3M)f*.T%3%6 :K(DP<,A@=X\PA%K^/,W@)?1:$|V7 'T^MNJ|L*M5.^.":5.)#2L!563!6A/L 0|LK|A1*ZD?C!*9)<>)). R#>C((2XKLP"AD^9! M1@0GGB\5;EFWQV?"+L)NP "$5S795|6?Q\E-KL;?.D@S=-@AJ?(MC)? 8F%U3|JW&XAXRP=50Y!UW|AUX(Y!=77D72#M_U%C)TPW>"#Z|>WPU?N M2W_]!@M^2FX$TPHLT0F$R1L0*:Z&)U*.A@?664;/ CH%*A03+7WZ<#V!/H\'@M]X#$>./,T%(E#:R)3Q=NG5]-R(%).F7J.:IM4J,E' M)T%D(L!;=.,%3R,Y9(@TQMG8\X2Z(P[.@]=KNAA?VDGD#>^+^5'M9AL!,QCU, M1K1P6#)@A?6 ![JW*ALEA:H>55H=P3Y9&NPG]0:&Q J#=\;5'J=,,+1N@!J% MP*Q2X#2C8'1F/B6&_D]H[UK,P)PV*^KHH(&MT0%Z,YE]H< 3I9&(2-090R(4)P\$BPPX9F5TFCGJUO$6R'[M+OFTCW;NS$!YL:3T"YG&5P MTNET)UQT/|? Q42.?)E9:V%%%/'1L>2'T:\?@46S3:>;"S'YA872BDHV)P M|%'.SW 39H'MPYAU-WJ_A*FB@A5\]7", _=]7DVF7-OQYM.;$]9IN/:#Z6Q6 MO128U(E:0$|Q@D#C MX? RFU5G^@&Q)XW%)9<>_Z&E)F52&@]'.@TBD++*J"X7I[%(J{,$G_OO9>@"G M2:*#]60%CQX=_]ZXM#Z 605#0XH"",D)4% 2O& &DB31:.YUGSO3>X'B]HH M9 6)'AW9WLS\CVE0;M)\<./JMQZQRH=H!#";=%DS/1C"""1!*" M$QO6#U_LO/ M\I#?'U7V%/L*=CPZ'KV1T;=0)B],U+$P-R""74K@N5(@>59.RQA|<'LO*M|W M-_83^@IJ!|FGGE]:&;AG#^[/__9GUX4<2!D_&#-\8J+UJ6 %KT5LQ-C"P>EE\S\^6OP>;0M=D&R$4)P<)SB*LI< M ,LUA: %US);HEWMX[(]X)XV^0ZEQQ4_.F/7':M>B.5U_VL_IF&< M+%W6>>4F%SWK%_3U.4P^@RO1M>CWB E%!*,A.""T2?!X M6:_0_/)^S?>RK!,E&0">A4[9JQUDJ2A.C\=(RCEH A>$@>"-SC02 MW&J+H\YL2#W^SU_OO+IO\-M#UIC!A? 6WP>B/R>W7!U9%F>NG'ZE^S.K9M:L6 MDXWA064"VDBTA/#LJL4D+1):!0PW6XOC6 1EW&&N[N M5U>1#&B_MYK3L:O%[*+/#=+5B=A'C4ZD6LQRV^HQV^L2% [A5\^6WY)UT9!*YP MZQ,H*>Z[*Y&6@;%ED77$<4:3]=979LGVZ)Y('9F=*'#OTF@3532X ;;,9WY; M=AM$C2K*W$=SG'(RK?3W WV/YA:*&\)(&@H1EU:8,E*8%1PH/R@?BHA=>J MMA%]*#IL*"ES/#;L(O.*+.@B01^N_*?SG).XZ5{!\HS@9NI *ZB*A$?^5^BCJA)K<,||>8)51"X{'Z7)TH$DA*11-8#AZ M55(2B1\KXDEMQ_$^BF>KZD[";;!HOT_3XD-[& (]*3"Z^_/9WM#W?#L_0!G)3 M9.0+7+;^HI#3Y(623,>XBO548%YR[\#;)>1IU&6$%#M);$<@G+N!.+GK;6V(,! MU%W$W:3(U%*FY\>$WFKH#](MB)!'NTFHRGD:0E..D-+X3T!WH< 0=EDK0M$ MFMK68XMYG#P3CZ[\!M4M7J$V?CU(G<;&\<7E:#SM_^_9H;>WW-&< M%"2",[90A")&DKPI-+4>++>7OO$< MY>SLFM&=P M 8Z$,'"4H@,D=0 GHH608_';X;I3R(DI2QD@=07'VN"NG[T$GY*B*I9*:KDRK[8"H-+138H.3/ MV?0BC5=(8)&Y;>0$BL*Q5/P%[/I08OHG0C1<5W=2ML6W_^V-5)0 M@QI!|L XKU'/UQ? R\/XZ$((#+Q*I78(<^"84N4LPPJJ,/'52RYNC^X'YUJI-MLF(MH>X0\R[_O!%F!F-*,34_UIR8|PP;O-K2R=D*,1>2,[']Z"W@'%!X(:5R M!AK1TR;&19#^!2RM.N08O3D--H@Z'9? >|_&Z8OKQ]?S]]|SYQH] MGV|!G|Ef]/<.I"%H]|'T(^C[1!O !+5?A&1,(V>GJ=T,>A_3DZ'A Q34(U=U' M7453(?Y1>1>2RY$IRX|*-$A%*O>$6?80DW:*6.=5KIU4|2"@[X@\CU7#0?IR M= 1^C|.'%1)[.)U365 NF8H4&%4)}^&BZ:UBH*U-6GM",E]'+HEM. ^(-_NK MID%H[#[.QJ3;\P7TK%9 Y^0IA?)7BNI[S_4%GH?9BHHX%)2&@CP"H%%]]$'| M,@B)DK&V16CC$4B_(WY55UR;P-FJM^+5[)58!FJ4U%V#DNRZ$PIT@HVG$;+' M/;DTP9*_0:W!MQW1*H:ZJD8&EOC8=P^_UK&:9/!{9EY2);.[X#LY.C574H-RU|MGQ?6,5$)1'T"* <3-E)4]=M#=+9\=-JP5#!B4M"@^5=TEFY@(^?@=9$E1-/JYP|#+4> M0'FJV?.U%,.@.(D&_Z)0;BGL/DZ(/5X5F&GN9-IDR|NC05F""^W$H!YDRV=(^ M5+FH%+/5#VLV@GHR:U$U8$Y;]J7V?;NE'@!G^7=+]%3&Z12 MS7;$,:TVX>|&TY?#&-).D.CP|E*Y'T*%!DTB;LY!,S"9HBA0.H+Z|.HW>|X! MWLD2J;6J&A@XRU!?)!A<%_,Z& [_NHW#Z?E;$Y6.:7HWQ79E[&SVN0[2<&Z"N M]\(1H.C6902J5G&;&G]'.1]X+|K1AY.S0TBX45H\XTZELDL+=L]]J2,2C#< MJ$4I41D,H WIP!*7.,%9XR)=F8$/P#EY3M521<4 =K>3SU)1W>!OXI'5E|EY M=Y.7XA1HUUU=IMAC)"15|G8(&B((KRPZL|34^T:#3UH]B39:F4L;CGBRE&@G MIP8)F!O+I!<%BI1$SK@ILLC.EFIS"KQR6<6<<[R;G71 7_YDV=1840U"V6N0 M7M^U6"$88Y,+OK0M41*|2H6(K6'%K\B>^(03]MY&=G>4IQHFJ[68QFY>*;E< M2BBB|7532+>7DZ36. U!:.G M7RTMPHLK~YM4J -;3CBCE+0%B2GE89258Z30DIJ4K@79<+@]"GKO(OE,&|:6@ M%LO//!RZ>W\ X01SY3 Y;@K">J1_-@XEI4V(GFIJ:1^H/1,KZ5/M$$IL$(R- MR2-UB0KX8]!HOI1F@K/)] (15AA.20&5*404I>PF?E5Z=3$1N%3DHQB-PU;6?4 F<1V=3]XAP,4FKJ^VS MK<-R\@RIHH0&"8S+>VV7K_(Z>?1%*:,E|@#"""YP?9Q2L1D?"AF!BD,2*W-+V MN09R\K387_R"'_NLD$'/49%RT!Q(*-M@Z0'HT2@#06BF/N,/5>VCC.W1G3Q[M&BFJ0=BGP"S_+R:LA]+|_+HPN"I&VIL_ MPX4;GJ>/:,&]R3FA4)G"%P5W6R *G4MA8P03F0/+: S"&"Y)B_.P|WP9>; MGC A&ICK>|VVEW&YMU8YD)2;(N=2G(U&T+,TFY="%E8[+H7X. :,G#NIJJ&Y M^/:/"RW!.++JRFZA_\K34OC6Q22M2FAK:,CC" "5>@< M9@GA)9F]5=Z%VM<2M\5V>!(=5NOW*-= 9?5[3HS1\IDL9=$M)!|OAB/KLXO M:D4?K,'-*@=^LJL)4'IMF-(Y.1E'8L@\|4[MM/XH=A_Y.^', O30XVYC5V;S) M4BH|Y]##">Q[ZZ'R[S01)<@]W8X3?@^3&=|;W%JW:%-F89F*3"!T\B>E:Z8 M KU.0CUD?$=\2IFJ5#O"6 GZ=T++/8R]\@9]UG9KY83POA=*=.)>%&?^B/XP] MZ;UC@A+P2J@26A-HW_(§/EI'A"^LZX5E=):SVHQMU&S\;G;CBO M%>N&\;6;["]LS^&:3RYZ' I.MQYE 8+,D&BS. "J=$|L-IP13D-F9JL# M$WSRTMZ#WIWL_<&/71'T'KJ&J408T4OZQ:0>1.T.:#LTN|S6\T>H\\GGHI8 MIU!-2@7=[O_>%HO.177D_T VXVQ<\3R^_?7"EB I"Y5&@(P XNP@"88.Q M$HT*3KR/@1$?:V<<[#O<(1H8GBU5LA:[C1VU1#P2\&-&H[9AB M#M>'"""^O)DBHR61W*4C'$9)HM2!M\@K8,,#4R]\LQAQTC0%HFMW/WT(S]Y- MR,)%BE?E#OJ*428OORU|-S-E*254,)U*ZDY)0.<9/ L*@@G1!'P3O*N=),W&LJUE(IQW8/'Y!>9XO)7*NY)0(4H;BTNRO MAZ.0AB81*:L."DX:!U$9(0O-7(M#+'P'(.H.O_>X/-E%_,V=8\XU M\9ED4*$F1"")) .\| 6<\5\9.8X/:9 7? V3EN)/D'7>9=O-; 9;[.])J=R):[M::-A28CKZ)N"958K J]05@A2+I5PG&;0,4KK17*U\X8>!/1=F_U5-(@H^,. MID4$:0M0C0R'E8".8RQ45-RHE=0;F FKP45#A(@B@G02G36!-A$.# GJ-(D M:9UJWTX^(!4VF ,'9L(NPF[@*6B#/-=S7&N'$,8,@H*@N F:,+&E5#CIJF3 M0D"UHZOW0!S>;JB@G+OIHGM)MH&]<#O?79HY)LA#1HM5 <*\[B[ME41=T3"G_J#%X$GPI4V/I"\+A*\&JG*19^*V.,Y|R\N!)-__]1%SQ M:O"JY*%MH)QNVN).BG@@S>T04FR.IG,WO+^.,$S MF%T$U"""FLM@Z7HTN?7_I'KHW1WN1>NM\() I1=M140^6Y !91D^T55SHVA?/M=L'W) [KWE5)6GFEH846A+"[2N6D]B=R|/QXHKE^ZLB5C1-2UW*^4]|EB02 MC4O@5+ETSJ4 QX4$+EVB2H84 FM$KOV0GR#M#JC*MD<""|SX,-PYP_$?;G"5 M/J19,=1>9%F&7&IU\"1+6#, NL(>8B3*,J4|L,6CAUO .B$JU59"@_/DS^GR MRVCLQM|F%\/4T8:O/&@:,E9(/$KDR,#-_"-)&B|U2|[? 66T$Z(+RV4T2#6 MO\&%O+M =NA?3"-]\R&NC-IKHXF6$%RY54@(4\S1S-2QR\X#*YZ|_7]$)0 MPPZHN@8ET598A$L3F=?^GK4N=,Q1*XV&5!%7"L\&(WFH91H#CHNE4BM+,*G- MZ$Z04)554KM#UNV([YT*]PN^GF7,>!$$A.[R"'"LQX:.))(/$]H*+'.XD MRZPKG_3@.">@]]K2,%"5;=D,_S#NAXMJ4QF1<8=$8+H490Z4@=?$HDT>$N6. MTV!]PTNO!7,"7*@K| ;5BF_S]+I>S0QO+PN/5E-&*THZ7(^HU6 3CZ 9$3&. M1)VN7=3J04 GQ(AZ@K_/"M.^N!1+*LCL!7!2ZA:Y%_ JHX#BW(,UEB9=>YUX M@L6EFK&CK@+N,\3673=NA75PX>)4,@E2$=S;9-;@K*5HTSC.@LI:A?HI?]>A M.2%.5!+YBDA:Y93+M4XY3}\Y'9R(8ETM;ZQ+(P;4-DB)!)V.8VKY-F?$=!$@: MJ&(%8ZI=W+M] ?.$N-1:22N(M7>TH,KJ2X=^6\A_)A"ZG]-\6QV*.9"":,#'LR"!-ME\N/N>1!.Z7 "I%!B4AUHHIJ53O0MA/ $R}3.\6LH-'> =PEM+?]-6TEH4)+ M7"E5!&$$!\NM@B30? ^=*T\!K7R18A^4TR?%X<;-@P:/C]5T09U7D[G(TGLZK M@[Y.7\8I]&>?*

#^/RC^XV;.D9EHD7I2L+=;14D55@I"G?!F*9X86EK!MOT"L!OF\78X=@V"8@WPFOJNIC!9D>'>3=$GQWEM4U>>CZ2=W&[M C8"8:0#< MEUT='3A&*"'CF;3@-%CF*G'I(1S?#Y6J:6,"D_8.$NJ2(T\PABLH0L;++7]PWE/&$*15M2_3/,FBAH!$52.1I+,QBC'EYS,4Q.KM$0DZN|O+RI HQRN C+.4HPA1MSNAS M>_ZC$,.>ZM^R$,.N:CA*7;UM /XHQ+BS*G+ M5& (K!*PQ63*#EBYK=2OH>11B;.N37<3?_+I?3%0$F@T86^)LRJ,K0J.'):-5 MKG@I;KOPPG,HQ+B3Y!^\|+B+V!K>"D^]=.[*MQ,:'*PY4,]QZE)!2M>K4=-") G@-#DB4V@&1 MFC,NC3E%QX0)(FHKAQ0P8;CQO)41@,AES-VEZ^TR. M11A/@-I/6:,_TP1EMM//WV8>!PLK,=[4LY\>H9FM'R,[B5):E!2*? MX*X&!E5"@F#1:?&$E_:U$SL!OC]=(C0L[E%CDMV.=/? E[CF>3?2> U=>)H>5F MT=%9333?4H1!2_I.^&+/(5L.;4G7U_M 6GI#6,D96 97DU:\+!_O3V=O"C=6!IQ"AD]ND@5;L,%C>GN@B'0D:ZMKMT5[[W M8*D\2O0-;C'<@U.`71?QV SM4/;)#:PG8YH|\3H6;J+&G_]AD"Q!E"9&3X@& MEDM+C6A<27G*I=.VUL%E0W7MF[8'I\,N9DAS9NPB]@:,_^%L:G8_=EXM^N =R MOM=Y3YU!XPM$+GL=U0&\50XT8@- 'Q6!6.6L]_H]TQ&4|[M7>>=$F2Y0>D&LV)?Q#,I$@/\ WP;7(@[L21!$LNZ,@UW2HH@[,LS0*_NR'# M@P!.Q]ZH)^:*.\4Z4+/PVC^D1U'BHJ:M1*RA7WAX?! M>96BL$P#=XZ \%$"ND,$4C+4<66DO-M-]SFH?HUU<&C-[R+ MQ>A1RP4))?:C:50'R]EVS0#QBC1DC*#$G] O9,4?CD???UU_L29AN??W"CX M9KS#[>85!3_;2V]" K<%-*G/>4(SDYYX"7]3_!2+4(H T0'G90F4?OFQOT2 MGL;,TT/Q:JO@$MYA-\!DTOBPGUF=^F#^:]Q:,A"_RTPBG_N7_>%Y3^K(M@W8K,M=DV]"&/|$B;V6JMWCC-M"/#*RM%30VNWA0!D;-UT;%M<, M9^WRBKD\]9#%L=7SFV9V[#[#2MD>B^'>CZ9I4O(/1VZX-/8--ZVB,2E](?-2 M'RZ5OBE&<2 FQZB0I8G47OJWQ5.O_<2M$;OA<-C2*608\)VY&7KF]"GF#,[L MJ;PX*!)'<*? &W1L8#8Y2$KR[VQZJ8A>*G:_>*F>D"9O6-Z9HIZZGDE:R[0Q? M?EN:[2+6:)*WDN,2GR2W("2SX*S7)>[#)"MEDT/M$IO[X#U^.>J&?+J7;7D@ MO38Y.%Y&-'=ZML'4Z&1H%9[C' D=3[OWC+!**CD47!! -A9?%F=DQ/?2'E O# MV0+C0HM@#HN>D]M9Y.)L:.]YZ6BS911,-V/%YC&;Y?9MW?FA!2UB,BX!K;D1P MS.$2*VT *82G'+$Q4[O/UX. #N\S[^S42N!5XPR=(4B_SI[_<&@%,^X|GSF M])CV E>(?E23"9F|(LML5#]^]I<S=4.U%5X#D^"@_A+U52P|H5O^ 8]M519N@EE+L9+R@SW"/UL|MTG89_<9U;K<@\|_.YR@ZWK9W>R_;L$K+<\L1_ Y ME (NPN.ZSTM5:"(,HXY17GNC70-E_[X3RX^=>6],)>(D1U;C]$#D*,"EZ$MQ MOL0<"\;&VE475| XV,6="CJ^WSUB/ZD^E7C*[7ET%G5@22I-$7=0Y;RM5+-(MS@%)CD=A@Z;L=0+\)11'2T395Z\F1G^3;10[,,:*F9RC:X&D4LUF$Z3MB M7YT|2{$|7Y(OCB7!%-$0NCJ.*DLT4@NKY&3(CC"E):U:Y@>E@@;XA*XL$N M1^<"R3HSL\F67/OT M(QPS5Q\|F;4:H<*7GU^69"\ODK_CQM>N?$W1KA:X#4!BTIR%Q$9B(L_1;M@2\%;W@;_E38?&.04E%I+ALV7Z%=N//|6'YZ_N"QN;,\(0HSA%-!>Q34I M2U$ZUEB0.%|&K0Y)3=)B_)(WWK4INB" M%|"M*+9IR5^AD>#R$UR2+'%6O7_@2B"GH?_]9=Q@&>BJ#=X]M\GVP;7#F]A(2IS;TMC;Y<1"S6AN* _" M3 Q&&V^:"%+6+99R>BA\MT0:-@FI/[\#=SD:3TLQO-?]21>=[K'H%+>;:@<95 M\]_T-P\ H7'"\IEIEM#.$]VTPNA'4.?"@KNP;I-E9AE2P3B9793..-RSL'1O MM=+*XI3"!Z'A D\5;D5HC7@2D\S5=_]'$9T&+2I*O4$;F^7%Z\4POG)?^E W M;PN(HJJLJEX\-M/;.3:KWQ7P:0#JHYAJTCEG&OS@E3912 3HF#7 Y=\66PX!/E8)5"0[@2XUWM MX[$5,$Z/'X^1,X, ^>EZ[J3G!C(2I9KDP3#LZ6XW=TA&1447A2.I*P M&LGI*?Z14E[,.^2P&0@U*HAN>N0A\@X.4T]T#94B^B/:%0/#E4JQAB2P5'N@ M4:82E\V;M.XY4]*IZ]1W? <"YP($6!CSI"DM,EPEW3U:OVK M<#REM(<==+MB:]E+Q@VBEW\FVP8G5 M,IX%E[=.!OJ?EIZ0.5[B+C!HKX"F8O>,QD)6.MTX79[]EL(KDSP MAIE,0NV2N8=2^H:- O+7.=Y%LNPW\[&L:#*TL'G)N[F@CQTRB/KZ]:A6R9T4!, MY*7.(LXZ^PQ<.BL\BUZ(ZO4@MH~V,\^7RVNWNBKJJ#!]O_23;H9S]%$8X+) MT90IH@EBI2G5=AQ("ICPF>7L:M=,N8W@Y>M]#X$V6 @^C"%)7(*C*,'42P** M;[1F0BB=?[.IO?DRYY8QI6]L.W<@/'L%[R/2BC9=EQ'[>=P_/T]C7%7>:?%UD MP$? +I:1!0.2J7(9)#AR-"DB0G.@H%#%W+@6LR29>\?#G;IA7$5K%9*-5>!96 MXQ:(5AOFVZGS&!9W'?$_H.L]9%?[WL9J9-XQ2_'_Z.<37'BB=6"\]2J'"%4%Z7 MVCQWFYD<7YMK3.E#*7,7D=56XLLT.2.E(7TQQ+G\/H>+4A6>%SA(R)SV5D M.$>:.P0:-'X=/;:Q)[&QXQ?#M\-I&J?>)] ,*8A3/\MDP=?C?#M_DG,+T;/CY(GV^ MZ(_CWS_],52\MV)R=-Y6F0 MP)G;[OK68? ^;)(]09W6-NI_ZT^"&_ROY,:%(G-_UD9*$AJZ2MJ([Y&3X",7 MH)6F&46GL@I,D6S5TY\W)?:65VV#_A0@B>LBLF^<7)Y>MU&+R4F5$$YF">E% M-$$3*2G /9 'I)A+0>RNS55#G9![]Y9DQ8L L\E>C$=7YQ?7EU'9XC(]1U!2 M>@E2H|HTK#"]H58 +DG_S:;Y-K2*MV&A^M&>-Y:K2*WBAQ]XVED.H ^I&28TH%(-M,-8BI$P.6*T\;/R6&A ^L]MNMNZN?.[P564%F%=/A,T@?TM -IM_NI 9:1NTB M(4! (.6,GU)=0'P7<(+SW#KT/%[?2XLK'/V\E[B^QBOGM*Q#).2(<,\GC%%A6 MFDQQ-,Z,)Q%,S#)';PT3V^V9*Q]_2CI\C,3VEJE7T>'URH"D0F9%R$H55FE6 M;F=ID!91*TM]D-NY2BL??

THZ?(S$[NO0[ADP.>\/ASB_W_&9%YPB++XPNX@) M%J>#."@N\1K](Y>*4Z^S%334DWN+V\"E;Y M!)H:5.E2K(&"Q44- MA-3:DY()+6MGDAV)*!L2RX[#DUW$7SW/O[WN_YE?YKB?"\C@5%I @.9&2Z; MUE/PSFE$9))(G'&:MW.V!C[\'*DCE24_JB6V!HE@*VHI1B)P3(4.@RLQU.C0 M?R T@"0Z6T)\Y*YV=N#3KC.*

[GRVPIWP;%*Q86Z!O&US?:YW9G72V;7W1QPC\ MD'5F=29!>\[1" _*XM!E!P$BC(1AG+#.$9=^YUOK3JS/;A >[R+GV-OX!9!V? M3$;C;UUKAT5W%*

<^32B51,L12V<0*\$21D[^1F>.1L[!=.L3*QO^[2L1C13^] M*K?:>2ZW$;U!8\'05IS@//"5(:!R)(BXBR@^Q=X=DP\=(K,&% MNU?C%/0$3WUS$HJ-V&P5U!F8#KEI),)4BLA/R<"V ,PW\<M$M")F-&%]*SP)U S87_=;*R8L(M@*QK7,?5[!]*Y&[P93A 3IJQ#'2Y M*"1B$&!=*? ?>0BHC43N]K=:UQAGY?,/MSGN)^Q174DU.#SZ-'73K@;AFW]? MX21?

C2Z_C(;X[61V]LFHT>6VM5*TY.+C;N&BMQ MX_(:A)8:+)HLX+)(5D86N$F5M7\/Q.&=Y K*N1L2V4NR#4R"#^-12"E.?L/) M+SIUG'7=PGLY^U(:,Y5T&8<;GR-

@4ZG+SCBB#)G6U_EZ-,<^@WQ7?J1F)6DW MSRM:U@7]V5]ID_)4 M-[0M4YZ4C<"R]l!+EZK?YU8$Z##"5DW>"0 M]'7*:8QQ4I=?XTFT\GI-.VIR)QJ,@\0G$13L 87YHZ,PQG)Z-

/Y9JB6=7T\G4#4N[I9YRAK-RB92Q@'.F ME(!70NBRE88S.3*M<]-1M4YZ4C<"R]l+RHK;WY,XU#?Y(^C/O%Q)G_<#+_ MZ83VLK$L>A;0BK:EMA\)X&79X70P$4UL(NHG6#P&ZES[*J.&F0^+P"]&,89 MHB72E\(R/2)<(I12R!3=,2'Q'^-#!DZH(\Q)IF/MZRR,,)T&7:I*OG;M@,Y[M+MX3&LA7Y2;HK)[0IPLW3LY\@6U8RIF3J60 62P'/UKI\?XKH#/*IE9&^1V MI?

QV&O9YTZ"QF&L7(K@]]=\&H]&X%'Y%O &_=^>IQ[,75 1VB!K>QS4&=Y=_=^+P__,#Z|>WPE9M<]!"% M1U?(T?7&&U?A\9*=

2<8$$YEJAK+&R:FICFAK%D!X".0.WO_;\8Q+NUOS0PAW9(;>]H)B8#4>,>0Y..Y>E]-'\SU.GJ_)'B7*M_1)+IL ;R_N

MV_RKR_[5Y37>)3,4G99AZ']Q@Q>7LQ"IX(X$HH\UT;$R$IR3>)F)%MEFB5;(M8^CP""RGOY?6"EE!]/V*<]I&OR@\VK6108OV$N&^& P6'_339:7/<-HX$9# MZHH%D](*

(G3[GY7,Z$RLW:Z U>,QG!R!FBE@!7'V*PK:-0\??4U#]&Y^1[%? M7ET64"_=H 1C/Z:NJD"94H\3K8Q3'G'QTE0Z9"'E=[5TT@299.9\NR)96P]Y M(K2H+]X5+-

BO9.@*F"^&PRLW>)CPPZM,0$E*VEE+@7$>D:XSL$X\9IT& 207AF MO<.M\[&\6#?H:3*ABHA7<&& BJ.K*@L*B3*M,#?L35++YY^?;SZQ?+:.*505G+# MP;F S'7, $HA@5:$QR"#LG.D?

9W6)F^F0P BFP85@+5&4 MQ[MMO;,S4;88^^1(45W@*PBR=W;UG5"J"VGN'(G(<\C! O{'S2Z\.^\8^$RI M1'!!ICO&8^5DJALLSYL9526[@@*/CF*N]8?

=PM8CP6M5:EQH$PL*5W2@B.E M675I*$TDY=;7/O]> ^4T"? 8.;_(FJH9Q7Q_5<1REF\^F?04\<9GGX P7>Y7 MDXR3UPI,3CYEH46DCSF96C'4\U9S W&NT';EVES+88_N"D%

<.ET)UAL1*(48 M6"C$!UO6"@$Y41LM#8;ZMOIT#Z%[WF1!K(C75Q*F077DG0-\?O?FU8Z,K MY,:. H]$3,,$EE$;T8!/:OC$CP8D4;#:MW"V0W:*4%IA1SDV3]"N3(T/RM.

MO\1I2Z0D!-=!1K@ P:D#K]'ZM5R7'H\QTK!](&*K(9\W"Q[*=P4+|LZ[O&/Q MI(7%.ZT4'/D)7CG$E7P$6VKC6V<#<3P[HMK6@[V&\KSI4%/.*_1?N3#LJ]%@

M@'O:^/K\S422E0L(CY6+94*7OMFX4M%$G&4AI.3;;A5W$9TB& ;2^@I2M(A'-MOAU&_#S%4B'[\^A]FOY$-)Y>]*P+2ADI(0?-0#C.P7]4B3)<&F]9M72[]@V[

MC/[\.=!6R"OH\.@(Y68+^.TPC),!-=I]M]>1G.7E!+WB+]OT@S;XLM^;[&#SM>1FC#=&<! M[0[I7>F38X*"I0/%AURQFI? =P:W"G2IH8N5K!F'NSU_OB NG\;_N:]WG M11P?4_ZI_/?O'!]>B^Z//_[XQ<6OY2 _IE+D%?]R,AD-KLHC)K^$T>6OG23? M%8)/WI<0_;3_%2D_=?W!Y#:L2?_RNV!COM:.)_UZ@_7V'../NZ7PFJC3G].$ M^T#\>;]WIQWN(2FIFZT'DS#N?

YE/8,XE2:(B+AC(WA(0TK"R+)1C+Y6H%B&J MN]6^]W!C-D#:=[59_?A9Z1U'LB8RXB(8N"KM\03.%C=3QY73E&AVKPEOH]EV M<"]N*&XP6+^.U.3 W?6DEK17W33_J4PW3O\2[]-

)BG_]&1>M=//A"+>\/Z=O M!MW9/;IEZ?QO^WI+V]D[.I^6Z=++P*f[/QO3<^Q^I*\@6E2(-Z 1'M$(3TH6 M'\U4ID:XI+UVU6RP@&6Z(+?mI#MXT2%4]R_/^"INEXA2?#4.EEDD MI'6:

[)&TL,53FR0P[#[;2LD,9]..+-%X:^X94-#(9LS$@0S0E?]J#BYE .)X(M3M!\NEO :?_7;1V8O1>4.P^>\7*YCI&0+$"5&KZ,PV&.8=OD32."N>LJ&[R

MKP)RJ*2%.KJ^MX#L+=NGD*CPJJO'1_$7-\8MTUW.SNQH*=P<-,1!1EP%4RZM M1% L7 0M?:')65OAY'+5V,JL6O N$*2R"E+%0*C9KBK,ZN>?G%HKB+'V]_K(-)G^HU_JY_9=(9N8

M8RJ-$JB-&8A@B^DDY;M25%5QI61*BJ00ME+MF@%,3K!HF^N/DUT*)TXWFRN%FC2;,5W?0- MFKLUZ('WRL>*?

51#9A4MUPZ(^W,)B,..]]^HP!&I=/!Y\Q6W\YGG[#*UADC@)!0R&0F><0]X MH3L:>>#.LJT.TQ4/?_YF2Q6Q5>S!N K/(HJU!;+5QLQV"CU&4+".^[_0Y1ZR

M:_QRSI&)H(T2Z+P&T5T#H:[]IY# E5ZOD>"7;KLF1@?4YAHKYE#*W$5DM97X M.@WZ7Q%1FKP=_M8?3Z;_WQ4ZQ&F, ^[":+;<1RIC(5(%PQWS(N2$;8"$E+&Q7N

M+=EOVY9[TUB'VRMK[6/43I8-,N\^ID%7/+#$/)8[$'>D+IN\SDF Y6B@"VL2 M>$(SD&2Y-CDX-"8[G_@^ ,?Y[]2U9=Z@_>T::///W8!MPC:XU/0CL:-.[EQ

M.WKLH8,&>9$/@TRKD\)K2XS4XLH6//H95BE@<)29N.'9UBX'>P2";+C6=!Q^M["+ZZO9??WAU=?FW\>CJR[MWKQ879X(DO&QK@9;DN*PR(#Q9BM'BJJEUY':[

M7F:KGG[XL,**TA_5%%WE*,FG<)'BU2"=Y3?_ONI/O_V>IA>C^:,X-4VZ;?#^ MIRE='V7+0 ,ALK0F0(H+6SH5&)N!42%M4(22M%46_H:@RCX8G[\U<5 M56R(

M7G"OP[4H+*$LHJ'&@^C?.?PYQ^&T.FJJDL1!]PT(# > >NCW--\6]7KK2P3&GRRISG3,\2 MKXDHY4^8#U]5'58F ,@YW.OWC&KNMTO:6#O$2>BW@- KAF^N;UG/5Y1^.FKR8

M3*XN4Z0]PY7WV5,$E!*((1ZEI&!3)1[S9CRI':!@Q4PGKO>,TGXOM+506Z. M=S9)9ZXP77IA+;?#SC IOUJC6/!.8S2Y4,[?3"O=25]S(''#P1R#0G^O6/GE MEE

V!$S,$0Q'\X]8*IW>ZE!N_H=Q[VK=4+ ^)>JT9:?+RVZV?=%%VI3B-Z-@ MTZ4M8M(&C),1*.M64HOO3]Z=S_ HH(>ZX5Z5.??*HC57T5.X"+]7^-7&3*U0 M

KPGJ<@8=W!!/&C)*!52D^2^UV.R ["GUC':+EH\(G(-LA^:*-5T.KV1R,/.M4\P $<09OM>)>>;;7@ M)W]F^FBE[BVWPY6;G(VZM,(ZF@Q0K@R($C=PVDE0CA,,K**^>L#]"3:K.)QI

M65LG\Y\CL0VX'VT-E;C3FT*J.#P[>QP.6-=M4TN<(EE'@)EE$/-/"D@[-9 MYHEEY]7&XMV_-A%| UX4828SO(G=[.MB1$K<@P&'+6E2W3I^.1,!)-UI#;1 M***KS(5[!OYG/TQ3./)1?

_+_)S2G;>>)B)HIF57I$JU M1)U+3V<%F1@CM$W6B:TJ9.S-C!7@O@NNI^N49@;%NI%D\AM*:!W%@XLA)N\Q M[KZ

Q"T376$/7&HEG/O2G4NI0]$4P*5,0,,096\L\MN$P=4$\B+EZE4E#U-E9; MHZMWAKUFI%G@P40N*6<.,A4>A.4*O.0!@L^E6)*SB;4[M'X(V:%.J1OQ9?UY

M=35U//L#:FZ,EX;@'A(U[BLD&K!*9$B9T,#076B?2NZCM-MT(>+FY'!.)+NH-5=3AEW5\EA2>/+(8QA'M"GQ733.*3<2?0; M#RFEWV0]+ 7?

M+=2^<@1RKUA&AU89^T(IR-88S)0-,"MM -'2X?W] YF]-57QE!N#1B&T]-(#))Y25#K\6K$T!B&%!*/P)OD"U*25L&X-6 M)46KQI"[:/1PC4'G\^C%R,NAGH0<%<$=V.)ZG6P &U6(T7

9,>W Y<.(OB<6 M[23]!ED5G]V?:.?+!?2LNX)2'ESCSFH@FA*>#0H7../00G-9YQP$3,%V\+&L% MC--BP;YRKGB_=0&I:[S],4W!X]DRY@?]\R[8>H-/A.RT!6UPQ<*%2H/WB0)/

MN)R9F"0CM6_C,,)T6[2HIH';V"73+S!N(=<-5$X C)[7+5T*4F0P1GF3564TR!"37FOO3;:CP8W%5BN9QVE2E$H!SP!],6EM6BK$,3]6= Y;>)>K&P;

M47TW_NZ>"CF<8_&XSO399LVC*F5]4]DPKL$H:D%R(X.6D4AR("_D.?"/OT+M MRX[MO);FJCT&2WN;.:L(C1",RFAF15KV7@H!H<4D1*35;QML!/7],6HG-31P MA==:XTN2Z'F-,G

NERH9"D3F:*.5.U!>HH8-ITRQVE39!M?)L:6Z,FH7B)K- M?S0_YS&ETMRZ%%+/*%) &.JK'99((N# :H(+H,"K8$M6P6O&^%D=%U/C@W: M2ZR?3%P$!/UG,?,YRHZ4+'I-6&

M@50^1&&IQOVL\D+P$)YZ*\K1IF_+,TW:(OA*+<>X(0!^6&3VE"GCV'F)*3 M-@=0LO:FN"O&0Z4I5^)^1J?:OWC&KNMTO:6#O$2>BW@=@KP]+K$L4,S\)+{'$'3G;Y&BC'3^-1MH?Y1?34T'..L@E6^'*?

KO@);.&Q4^6 CN.-4 ZBB MRBWHL;|>CD(87NIDN*2!FU(O@S)T-!W)0 577!BE@LVG090-50&.PY-=Q%|[M4_?5:.S1F/QXMKBNI(K)BY8#=2D0@M I@F72@F0^6.NJ\WJ'y

{)T"'IX_JRSW M426AU;X'{3M.4LOQ1"TU$>7 5)7'"%8P+\,Q9B'YS%5Q0GI*ME+?TI)-2W&.% MU;Y&RTLW*$[BIXN4IB^&\46,W<3=X'5_4FS/]W%"^P;_^3*:N$&7(3]!1PRN

M8GIX7GX'3=':\"K%^2$#FD/=RJ4T=3%Z!SP9"<*{ $[8 (:,G>(6)M_MYUV[MV$NCF7T)N@3)$F#8Z>= "]=L]&=&=B.I)%0GT0MK"?!HMY'Q*.\@,7\L?.$, M5U9JB

6TT$R"4Z4\9HL:BDVZY"[/UG'\Z /(A.1O4$VN JUBT1 MO!JXR:2?^TLE[GA(CD9BP24GT*%E#HPB!M!9R8(DY5B,+1>>^Y"^"WNNIEH: MW(=X -[*\]H"X"%,KE7@CF-

<557]HG390Q^M[9^50)FQ*FJB(#).05CTVSV1 M'OUNPV.4S,3JW;:.1)@--LUQ^,*+&EKS9/8-[L7YY:=2,?/];+IZBUX$; SW M3-!R\ B=I8L^, TT!"M#-)ZI4Q+"NV(]\AVS_[J?

XA<+777P!Q:FRRQE%WS M=I9D%7O6H8'FO0!+$Y]U!.O&A-&0'8\\$Y5#FI5Y%M@N^)Q&0K7..WTPM1Z+0 MIS2=#A J#

<*YPO$0.4(M3=FM,0Z8M80I="P(/P:#YO"^,P(]1BEKM/[627/3 M4?C7Q6B 0TYF687]V+ZM?5B;%+;ML%?*1.NVM[/<#7K#)4)](DIXT"R4GTJVGXR?2M;8*]PD^]/?7.@N%76^!*%

<6FL$ M4(7@1;D88GST@+:8H5*%['+M\@7W41P_1+.G?N^6^-]/SBW:.MQ"-#?UM\'4 M*%*S"L]Q@C/[ZNI\U>\AZ$.10&1]E;(< M*]E(VW8$(L=_8E=98*EG7ME.3#

M*7]#H.40NM]%O@UT_BFA;Y3BZ^2GBUJ\E$8;&8$LM"E.$L<-,6?PBL6H=.)< M5C<.[H(XO'^QOV[NV@9[";:!]UGZU8^&W48V!Z0HM99S"RH97@ E<-X$D)PR M*Z/1(=:N37(/Q

EH>C_-GBG/^OG>47XW&YVE/LPF[E\CSS@ XQ),Y8Z6A' MP(L4@&.B0N8)7=C;8650[-F-M?VBNX=_E;P8QO>CH;OY9+GWX9RQV\!M 9M,?4 ALF8ThN/4X5F %)=^-.QU

0PW6EEU4\^@2\2]#8QG=:OHT>*84)E5$3R1&LG MCSX)0FVP+(_/UT44SM[]+-.NLCJAZMQN'"3],)\G#]D"W12"VH4@Q0.VDH" MV9K4# V.4.$HUGF.^5[UR03;1SJ\ 9(4TV-

FHFY@4EZG98W"_:B(?5E-.S$ MTMV829K&;!E$6MK=F4#!*!M!.YYT9EQ)4_TR[$. 3LUPJ2?]!GE$=S MKL-M M -J1F;(2T'&,D8J*6]E-

L(;4&Y@>]\'1%1)/-1(&RA)36!@2P$<@^:,,PU"$6*XTCZFZ]=U MQP]A5%#.QAC&+I*M:!]4UB@3PS$TB]9RD4GD:)?I#-TL1J-((>$5DY$%B(A MH49#LNL!3V6+?

[P4*08!NP8Q9]0V,"HV UL.^O"=OQXI_+OJVT-RE7MVW8+C MDO+,EOP;JDKM* &>,PI9&"<"],T'RK:K,'EN!#W3CJIR_'01666^_NS_[EU>7 ML W.JAE)=J3=HJ+.,$IURS

M\M+!V2+W)TMs##8Z%-B,]D@G!'74>9#M* 5\Z5BAP+K M10F.:\&$(8F*V!'C8[%ETR"'L*)!2"B M]))SI8>*M JO1KP5SA*KTE35WMS5!%;$WR4; &,^=3*Y2?'U5 MK*P/;&N-

XC_JKH'#T>33_|_>E36W<23!I_TON5/W\;(1\EAV;,)C*;3V;.P3 MHHXL&A%2H %(C;6_?K, 2CO!HHGJ!<>(!I, !-+S^;+(J.RLSZ\^PPO4-E5)C MSEX7T $5N=&($!2)1;C(O;4E/AB'U!=.

/E%VPD Y1 <]>R%7543T9D/AEO)?^M%<6UEDH&+0($F2]A_4E1Z %4$%41F>&WEO3?%W10-]\H*8O??10P+TA[/UJ MGG 6;3

E,0\|J4(LLP*!"T&+GC8.K1/%MF[3N'GZ2>C]9;+LH:KM_6J9%//Z M)^*Z@]YVQ+|KMXHO9D)S%##S7^\N18*>)XW]#,3E")D;/8L+[PL,/5O:S1)T" M!M!MF*OO4UX;=6IGJ#V[ORK6!WNZ_-

'#>QT'l088B+8%EZ)BX))O&8O0L:U;V> MO%WET$'\.1>_:MZ[7AWW)D-]^T_;-WEW_BZO<_PV++_7IFN"2Q20*%U\O_6/$0ZE&VC4X[S$4F MWGIXV=&@':$%[)N0F0:L>MG->V-

!V_3RTW)U_:OZ.3Y#Y#K4"RUL%(5\EQP@ M!IGK+8U.)T^^C&S=>30LAV?+&0^ =CHP1SF]^JW>$78Y_]*^+>+!-P]XX/0T M5^,Y4S)>.2L9.2OT/U!!.7 J&G

V*)0A*I4&+^2;T)D23YELBY,'61R9'3,% M7$D:!W,*CAL1](#H>M)B.8A%Q>T:IUMFPYN.YTIC0ZV750VF2]QFELQ:.$ M2WTQDEP6B4P7B4>7&816Y]AGO*94B<=

[WGFU$5!0[8U>/19<0E"DXF1/RPA M"E2@'8H2C3+(6N/FM.^4#D%."R4->J8D0F!,. 0:&8+*IN:*Z*U16HF8"A-6 MG\^4!L-/&T4U%.Z>TUD$3I0T&-

2,_K+3P4=OO@0$0N&=),E'OY1!.Z]?8(M,>+++9=Z'X]_QMP\9IW>0,2?A[[@7]262:[@'W"?'99XEI[TGE$0^>%2$39TR MD5/',+A4TGZUQ,=6X%[WVK;07Q>!-=;,O3M:8W+;

(KD,.80:1TF@/%74V2*M28IV85K<$SZ2>VT[B7VWQ>:#T_[B?/?EQS\I#OD^&Y'/BK0%#0F#%Q2U MIY'+'DM:LO:*I2"_GDLYS./.T/#]*]Z[GTX9C*;\O(,?

G>8GW>;FNX7C[%WE? M\W7UB?X'YQ=_UG/N+[@*%_A]7NS?EXO+54B75^%CG6K.9X%IR^IP>A4<++Xj M9HB6%UH0HG':9!E--+V/6AF7S=9K%B*%TC

3U+HG_%.:KS<50.]KJT_?^/^_M-3?UX_S+/,.B?PB7.#.%1ZIV6, M!B8]5*.^F,%KT_^9/GBY_F5Q?<^%E28$EC-89A2H.G+&9:VK>>)11#%YD.)Z*.4KE8$$7"F*X.77>';/@D"=

{JIB@N#(F M-A^D_@HKYKJ@M+^*N2[*F?%'.-6>-01DJ#HFV+N .$[!+G1)&Y2=RUQK7N MQ"KF.F'@R8JV+KJ83.71'CR=*^8Z50M!9>(MHNXS2,:>R4-H8-

LW=T\'=QVJ[@;'6RJ}':PBCGZG,O>6Y *,RC%$6({$B@_M%46EJ*-KG?,ZY8JY3CK>JV*NBX+&=/CV[E]7%'O^LB">KC;2O-^1^KU7[\/R MX\>?EJOZ1[,HD&D39;UXLX RQ+=';

<"%P,FY*1ASZU*J83D<(I$|)BA);L5C(M=0\,EGC7@[6])1+,D @(WI MQ/!9/O^YT<=W/F6VT0B3H1;3@$[^0*TQ@VR$Y&BM0]X\%ST0;V=#.HHA'0"P

MG6>58S0DTD+!^6U673*RL)B!L9J^2#Y"*!A :FCF--A M,'MH46]\%G7?F45)K*!A4*L.:IE#!. ^\(&Z+E>3;JLA&4]QU6+PT2BWH+@,L)QVW">&

MYPJ>UX043$4M0_3H8F@:@\;!6D:M,V!4 R34IE,"..1^;,QCI.8 \3P%#-X 5M5RM;.'U\2(^KQP#$(0BN1C0+($KQP#$(0BN1C0+/CZ5!U!AL?N=OKP8"P/XB*=8_-7D_

M\"BJ7AUD.)Y6+Y\'CL)+6BD4K7W*./#>A7!/O39H2]9^\,+F",5Z,=2TXD9: M; /)4-DZ'JT@!4(HH?6R%"?/%^X.B]+^6KVZ*N;/?JHHNIM,KLPI.YU;M3JU7!UR"YS@1?

EN&6R=7WF:8^Y[J3G/<==<=U%2PPZ6&A7/?E_- M+RYP-5]=#U&SS7 !Z'H<1]K/Q 3 ^?,IEKV4^>1CAMNP6REVA8L$I]DS>OL BIR(M$))6Q%YM[<.@R#!<@AA=$5&BD6XT-

U2^GA;K@Y*.?VD-,WENF6@3FC,M#8 M*1:V+GYD2)XX>7'S"$]IV6O+[@LY96T6'=^Z=%:K+M ;,*%JK,@T1>6$Y!. M**BUH@X9!4.7.#5OEY!.4FL8FTBMKL1ZG)1T-L

D7BV^!G)FGN*^0/C 9R"D7 M=-QY(Z83"V^%NMQFM-A,)MEN>2U VM<\DX9"QPC[<&^(3F+"@7I)-<"1U& M4[IUVENLG93%:.N!Y5A(0R5 %$Z (SL]+CK/TRGV=I[31*.1?

R<(3BKV!5!& MCD;9J*V D@,ME,)P\"5RD$I@L#8IY<4)FN&$;&\,X!^A(7="[J2LMVM[JF": M;QD"2 J10 4NZY":""8XI60)4H7I#"LYMUB?A!WWB>$)9_V:.N23D4?69T- M1;$:#

[2]20IFT#FAN0@V\'^E,73NW6)^$,?>)X2EF\/9K4DU:'>>0*!%,2?)/ MI(18A (=K")%EG$=&:1GENLIV &O%WFCG#/6003<@%$9(/""HI!R%X#>.6 M^ULT+++]ZOXU?]+OX/

^Q,P]O+BY6>$&T_K*X?.T?ZWG:$/SNZG}&19Y0KB8 M>1=:,*):#L=;62W3!DC\?2GL2!OT"DA%!L%)BBG(RJ^.,+!/ Z36\LTN\$OY'=&GWU MZ5-8?5V6+??IW17+]'.&G!K2@=>/Q#

MQBC,FLH'<=*HY*08A"0FYU*I(.^OD M\K$L<+ ^.;U@(2HVFR B"+)$B"'"T@6IF!VRC1UG%KK+GX7N&PD"XH[6]82!=E MCW-8B&$]2Q831$4>G5*68G:,):.3BE4_"&&2M$Z\G-

BRD$P.>'!;211>3&;.P M!T_G82&=AH5TQ@4Q=>H..IX#=Y7:(H6$<+<("AK&+CH/421:DFNERH!/?O<] M&MQVQ&8AOR.MAV46T/<'U+(<[R*^(F=MA&"-=IL3H:+^H=1B)E?

52BM%.Q^)C'MIX_PL89[R. 1Q^G>]6KVLZ)^?&J#H9TK9A8WW+Y5J_0M7 M:4Y\S614JM:)BD]2=^@H2V2%W B*),\DYDU+S'J3.49K_TK=TQ5=-!9^3Q? M;?[FID> ^8!8D0 D%;T$-

(EE8=(S"!,X*Y\4B'\UE8+O9. -Z!/ 84\W93A\[M26=U!@4\0T<,29)M%(Q**6E9#XQ.YJA(_NYUT>5ZKW:@&]+Y?O5/&W*+\LU MKH/,*(V8]D$!Z62AB"+ &&-

T"HTNN\#2",,@?;D>:L M5$X7"3P+6[:8=!!T"'==T8GF;.}3+'(*#HA6IC>!YR"[YG(MZD6D>87#:4.KL M(K+62OPI;RW%5Q\N_*!?# "XWR8MK28ZI+78LU'?@_80BN$R\F"S

9KJW8AEU5* M"!B+2$1MR64OW79YZG#.?2L5+8>0;P^3G=Z6@G4H]@UY%XC6&@C,%UT MFVUKJFC MSZ@2 Y,+*38:6@Y8AL_3O'H MM2)>?.VJHP4ZU>O%!&*

4JEAZF|'W;V#CF+O>A_J7[=700UO^8V35ERO\-JYV-M'P)IFIK^+'"&8'>1)5[P.-P/1P%,#&A8J@C6!DU,$U!8B"062.[")&"A[- M:0#EF9GCQ\%)%_&W#JAO>X[789UU.@6;-&1EIZOW\R4<;XPM"!2K1,LP4$0%,YSIQU';9UCK>/CE]{Z"@BU<68'45+_P[5Y=]<@/AFO<;+]3<'??;_IZMYE.^4?C=;^Z4K^M"Y5!W-K]DOI!>2JQ:DWC@XO(:UY>K>:W0 MVPR2_L<=>VO$J^//&%_QUP$(N;]\/"G6'CK;W^.,J+%>?:H)\P*Z%T7N>L1) MJ_(9T>]LQ'[A O] +QNY(.9/?WM;5\KU/'[$MXNK3]?>R;_S]>4>AS(==%\? MN+Y1?GUTMI6_ 0N--H7MAOTFKCEF|("ZZU_7'[6X]K_^X_\!4$L#!!0 (*8U9UES MC-E^0QL! +$;"P 5 861E&ULW+U[C|PXLB_X M_ D4W+[H@M7=U]+XQ%@N*CK)FL5(V467:=3W]) M29FI? $DD1:D\VYBQRUD2(^+'C" 9C,=__L O#TOPQ,LJ+U9__\G_]_<3X"M: ML'QU__>??K|{!].?_N=__<=__,?_!>`_>O7I WA3T,T#7ZW!ZY*3-6?@6[[^ M"M9?.?*

BS/^9/Q%PNR1K490/$/Y7_=KKXO&YS.^_KD'@!6C[V/:WY=\0"EF(M_@\&*$HAXB*#)(X99)Q/PL02D)^'=?^W+(A93-(4\C .(?*(? S% E(4A&& MPYA$HAYTF;_^^3? U1T8J#]IXJZK^Y]|_^KI>/_[MEU^^??OVU^]9N?QK4=[_M$GA>^,OVZ9_;Q[^?/\MK)_V,<;_U+_=/5KEYQZ4P_J__*_?/GRF7_D#@?FJ M6L5502]_&]5_>&\'@IUC?H@7^#B$^I? 9D7|/;.E.L).-+R7T|VOKYD?_] MIRI_>%SR|6=?2RI.#[LLRX-1%9=8<>G'BLO_<8G8+R/8=\3O^I17|\S5XGYT MQ6,?IA^=L7LG+02?GN$.F=$L-U^HMRLVUW=W1VHTZI-S[.IK4:S)$/"ZN-MJXJO/_%U7G*U!-YDR_R^-N$?,EAS8B"JB\G[_LN7<+:APPD61! CU*$411'$$';.I\O:OJFOYK-MDU>YHO%6_K1^?K^2^LFK]?N|VG!V4ZJ_2,;D?Y#EADO^\ON5U)$@C +*/ XQ M">2I)-SD3]3S88IIZ"Q,;'VVS &RY^X*Y#5'8+5YR'@)"@&J MKT0.4G^N.+P"3XI',SLU_[.#]#NF: M0;#ET)V5RH_ 7A]X_MNN/KK9K)7S0WF4 M_N3*#R2?>>(EN9? GC0>2K^3GKXO5NB1TO2%+N05]\!=^$'_33T8^LR#*.4) MS,+ AUG$PI21-$I8:&)!?QS1)K;D+;_@J6;X*GQKV0*DX0N4G\8 W7.&)*4' M\'_^ L^J#I5RHW INIUG2RLO;VO%XN)L;Y@);U!,,MR[TC7U1S]5&P\,A M5QN.GC=G,1_#G&^-B,:3=NOS-?O'IEJK:,SNBD]<,9PO^4>^?E^O:Q^^2G[^ MFE1?;\OB*6>J*-2OOH+*!,;<*

*I)C_V^&MS933*_F|0H#C.7N$B,!290$,,PR=5T> MQY'>9=71N!/;X,]J:U*M9=^,7F|L2|H/S_Q1SEA7TG%I9;>E^1A MYUBYWJR_%F7^WYSMG|E^^#:KM;^(0I**D,D=4L(X1"),8"HX@2CT@H#ZW$|B ML^L(:U8F5LF|NY,L> "D)FUX)V /MJ8/?Q8(+7SN8$\0M%Q====S@>\:NP'4_ML,:,\-&8N')E.6(>@',,OD'0F& M><(PI6RQW@5B#BKH6(,,+-V%,-2^@#O)'JRO/9EDT,RXC<9:S\3-B:"9H:O! M4ZP!Q5QM9Z_9.HC.VS$&6\[GC5W-L\52(XLWVAV9K5_KL [MH+.QK6TA8K0 MZZ):WZD0F3O^?]U*2OW/119YPO=C#K'GRVV<"L"[?*62C%I=_*0N$.&-@/(4"G[^Z=/-IS_]!=3Q ME\W-6"?BTM#\78!7TZJ-!\W06"F"5T"1!%]JHD!1!359APZ? <%<&9@+5,:U M&_VBGIB#@M#LWZZ^\,+[Q,_**+@MU"N^8 M Y*P* Q3R,.XA,>6T-FX9B.3\7SQNGD2 V_OB"A-61.3%/K"2]058*#2&SA,_4RP,",1 M8EJ95"%& K39=?L B7J=6N.V!I,.G7H2<(WB=6PP, O=&9*M-WKGXLOS!? ,\7\0PS/XL-U915T+J_^K9)XGLE1WR)^X MM%VYBOU5OY K_^$'G2>;Z@+O5[14YZ@WO/E[YSUY^YU^59=DG\B:OQ6"R]4-MB9AO)JV6% ((B+DZAYSN"U)^9'8IFGFB](]2/.WV&>R7)V54S41T&KXYG[.K<-!Z^T0@%]E^% MK5Q_Z?]MM](!)1QHI'-W0'N967%TG)N9^5D/?R\S,<=`Q1?BPFY]^UBL>75+ MGI4]H_7F+](HC7",$/0\3T#$4 ;3T&.0"29XG%&$ VSB7CM#8^K#9GMOJ5B4 M=>1<(>K+0E#L[S#,5H=S,.F9\)'"F]G9FAAHJ5UMK^_<6;X>81R9IW,49K4A M/2(>*WK? HW;.V&OB]YO7G4.20.[^_ 3B*)';PH SF.4TA0PA3L,LRM+8Z/fK M ITYSK2

*MKJYM+W%N@02BSWA1TD&..$<(DPSF*51(%,;&/*4^\$MA1!WI,'N0*/#7'P,ZFV/QN6,]"56_]FP0M,V5M*TPU M/( ]$U=@#^&>#W>KI+'HCM9-?;JSKJ3&8#F)D6+NW]7+96JE..8NJ M3:I1,!)#8TQL$R1IL%V;NL3U;_@ /T[!U)V,PV_)#;XTE!V<*^L*US/@BV' M:-67LKW6#@X\BY+JBK252>WGS550U92YKDN\+)O2<[^]'99AOOH*4U5U!EK M\IB-,OFIEA>@F %/U5\[&;SZ.JJ%T+ "NN@;'\#1#%Q?PQ6F$F*GD5@JM16 V MQ381MZO@1N^9*_K'8OG1%X:+Z\%+$ZNNI 4_OKTQ6#T/111606MI3%W:C2". MU\.SW%OIR^% (LRG&60&Z&G#^ ^;K_I:N^4,J'(#ZLS6%'-T3,ZUG >]\^X,Z)KI?A?8+4MIZ*L_M@#ME7/9(>%QEZ%IR,6]ZICBH3G)S1PXWHJKRJ^%2D:^,2T76?ZBJD)+3YCI? M7V OI$G*$936, (,HXRDDC%&8L23-2((P)L2X+K(CYB8VCRTQY=13H3NCBA6[MF@Y-@_A"(!M:R?$%@^N_P':B&IHX=E_EU#*/+0KVN6)N_U*YC4,\6RW5-PR+2 M7V4COU!5Z[(.LWZW+ (I2!4!U'/IQ$.,X\3'T2'8WFB2)(4:JOU 4$4Q\A:C1 M*H"K1VYB@UFGYN<[!]Z 4"R 4L4R/@X[^VWPZ[>`]E$QLW U(.\[@-34F^!. MC=L/&T ,4@B< F.72S 2(+.T FUY> _,+D\A>9+|% 6Z*#C /[M\S]2Y_D;M?W MLLB7QO:.:%8]R;_MN2>YU/4T77I_8;BEJ0)&%_L'>H^5 WQ5U2?!AIY0#PM;@R5?N4ZO6RJ/A=\=OJ,5>9 MN_4A4OO"],((4U^7UH1!35EEP=SEJEA^ 7[[>/N^DZENH50<1Q #.6(NB%A"/B\S0)D'$<]#E*4\<_U8&N'<+@BR(-:MJ: MJ?'#:.DY.9Q@8*:XEN+;Q?KVB>8RVO$R(,X)1S&"8^\D&=!:EK)1Y/R MQ K>QNV9GM;-=33\4E@&7F&W"Q_8?B !2,N*RF8RBZL[(YNG1GKH|"=I M(1S3 <.9_7=!CZK\SKNB//4Z=[*XKI?UMT(^?2/;>S#K(CZOGF_E%_3HHI1D M(0X#6$L? $15A? 6D4AAX&@AG+;7%>/1856?Y:%IO'?1%==6PN5NM\I?I#-V5ABU7UD3SPMO<8#M(X M2%@ 0R%"B"@/((DR#V;[:DLNYMUCCX/J9,<]<$TX#B)+ ER=V MN4U.PIB# ?;" /$@35(Q/B5Q;@=<>SY_:/+]\CU=%QF'NIXW!Z*;68I+V80. MJ_H/R#1IFN#,]K8!4?52 &U=;H4-A;6ZQ=$9?[;K' -AN_ZG]>KZ8:U\[SHPS,3+AZ+>;K>:>BT=!L GOMZ4]Z$>4<; :&BR.TP_MM7@\'&9:K">HG08/C#V?]NH)>:."YF]8A6 N\R=>YEQN0- E9;7^?S>DE)HC ML8O:E#$D<$92BFJD_N#),,8NH3&!)"&4EP*"*MLG&:]*8^CNX84*$%-0N@ MY0$ID)HRB#0>QZU?N"1 QO;SI!V,X.<|*%;,@3)?HV$9A6GYE3.,O=44=", <-M'&;."$Q=F8Y",+5?,9IQQO:!S M/7(SWNN<5& (,5W?.ZK[%'1AFQNY$]DDO/_2DG*@LW4M>)^@)/E2DSJF#_CB[M\+98YO2YD\XL=S)<$]F4;BB55(*<8!"F'K(IQ/]^UYL5!AW@-[4/K!M1NW/ M*B7Y+[8YR4.@.:?K"W$%AZ!,[DU?<$ =?YK\GT7M-@5TYS :HS>LXTQ/IQ(&F M^9I5-8^1 ?1+Y4B8S5Y#&=\Y%STX#'L?W$!@IKP:TCO-P!B6T,.$RK(OG80R+ M=E1<9*)LC+N'^F;+Q(-]KWIOG1-LO1=_]!RI0_2#)R[JWLELT\S.!EQW@R# M2P*=)!=NC6P#,%--<=FUEU!>K;\,F1^ELUN2_]KJI06 6 M)=47=*NM!F^8+PGU<4_=1?W&B3*R!C=$9UZ=6/<:QT'W+K,E?65\&71.[N&% M<*3(-FX2&VF-EL >F:P6P'/CS;,\]0C37?SZ'K/S;'S@5<7YKNE\W=>[VI_1 MDS ,"U-MF28V=*_ CC)H2#NN/FHFIB/'Q0"Q6?T6>H(?NRTTWP)L3UD\/!2KSVLY4NT3 MJ6XVZVI-5BI <"$\F@9$8)@RD_|-$YC&,6I$*O!3PVBAON(S:Q3C>D M0:5H7X&JI@Z*/?FZJECSL6%9L5X$!?3>%2YF6M]"\KF!I"$L;<">M,.&AQH" MNFI\V$=]WF;"&D*?

*M/I3>/)R2FWC#O%JQEWL7(@H2S&*YBI* 0D13'V:>"*'O M$QZ& 8HRLXSU$PH3ZIR[?%4?UO8:]S?3K?(Q)+]JXQ&"FFZ(=VH&OFS).=T! M7Q#%V:,W>/R9]]D7Q#O=VEYZT,4:M[WE? XHV6YZT7U>DW5]NW,CFN]Q3I:W M196K,*VWW]=\5:E,] ^Y7 88R@AA208)3]2>JB =0L(<"?C!-+^ M+9 ;$-A 9\P5"'@WC((1H]K R!,+S, (TA4'D842I"'UN5LYKB.+4GL=B=0_E M>P^@.#K96#<>'P8Q"GB2VA-7DH0T,-R-U.8P;L^Z#W M ::G|8Y@,-/W[5F]U?8=($.EE8P574,Z1RK>1VE6Y=80^5BM=5ZQ4^@_B0I< M7%?7*_8IQ_^Z[OJ-[^1*MPACE,CC*X4)2N5*GWD,9A5D/,T(!Q/_.-$DV& M*$ZLVG?&[_<@0GJ[!%)N,UW>4JL;536TNYPADA"T_-6TC=PDS/=O@ @DS8Z H*A#&^C18#*A7- ,E>%,B^1F;>6Y8"P M)^4FAYZWW/=SM?]RHE/6VE^5) ,DU^\>F"6]?^)3Z(DTC& 94 MZC?*!,0I5ND*4KM3'D>^,-HA6/(QL?I?, 8WP!07^1,'7 A.Z]L0W10QVW=(

*MJ^S#OVQG0/.X,3VNAJ>0EB'0<@0:EFK[T@35'9Q)6E:OP)XWAT>4<>"X.KE8 M6RH@1'/(TB*F@*:.IUD7V(*6)#5E#&TCBX)!ZNT_04I)AO/H5 MU2D*9LIJ#8"VTFH+UY(=)L=H=%;^L%?5X9%G45=M ;:N<#]./" MF1<2R *;!0U?SC\U!$F;6*7]9_T" J]]=)>0#/= MTY?-+F#W1 27T;K5"X;JG@AV-D[W]"D[=:H7U4]\G9=-%-DN-,=3L5R^*\]Z M__N*+)^KO.I\M$#8IY2'"<1^@%1 KH!90%5*&L-("(1Q:N2SL.1C:I^%X@KL MV0)[OJZ 8@.T?(M;^!+]V-#A;:=###W-GP%B,Q,Q';K&)F4D-HYLCRT7LQH MD5 =6I.QPUE4/WI%15'RF\WZ1MSR,B]8'43[?D6+!RXW+6T02%NU-A2)%W,N M#P-1E$ 4>0B2A\"(>!PE04*2(-#JD&%,>6+3UK"B'(3@1H"&FR9,'33\U-MF MH[9OYN#V&ZY) (3,S549IV=1/-H+]+R5/#9U51\Z4S*!!L@T!0G66C >C%ZP>OHQUK,Z MSI SLS)!%ZJZ8$=X6]0G47!DM"1!>FG-,O%T!+[V$+H063J*=4E@BAF!&8< M!3"-

!.1Y\=A9I0^/8:9B>W)GB!0%,$71=/45SX&.TV^4P(FMD50_#,7>$. MI';E#Q_#RKQ.<0>@G7C&78QI9|@^\O5K4GV]+0ME'MFKY]\KSMZO=IG0UU3N MJNK,W05)O=2CD0J60:I@0:(;Z`@.&1

*.<9.,_"HYD9N9 MAA60/8.?-Y(;D*_^TJD)078K-.D-,"EB(8\C##TDXA!). (0RE'E3C3E<1)X*2<"F]6@F0Q>JWHT;SC;_MT-H(%4(T'EUNYR,S@E731S855(8^LL,\M*1@*DO;1'+8HXCN9\4?FAB MV:+Q/$:@^0_=[3 M43#L75EW:'ENC:.J_M[>;\6Q""/Y'T1)IDZYU(-9XG%(*<.,9]ACB9$W_R*E MR<,4&KK-NFYF9BZCHV=-G,AL9C0.Q57;F+K+@OL[O4'9'"G_93JSZOB@N,>J M//R"I<:2[[RZ) <_*]_5Z6T(SC;PXY!R2-*3J^!+!%*GJ6AE&-!$T)%0K8K.'*

MQM2W^G+5EV!3<7KJ^DFSW*MV_"/#1^&FGL&)4V='2>[H;;6$K;4I+*ZSJSL M$<:5>IZA,*]B7A;Q1"5['K5TX:@[M%=$+M)2P]5YNCY7='K*-9=L=3/0;DIZ MLXP_'S9_7XA4^$F8"N@'@3H())FD3P2R$\#U1+%#\/4R,7CDKNI#0#]RMFF M.8%W>_*U51U^7^5K4U>%T[G1=&6\%.*&K@[%!:SY5,:G:3>];SU]=68&#CHS M;4\/YAN[>8QJ3NW15/4>@[DA-@QR/P4#,]X2/ M&?29)T] [A$80>UC^D7A,>&F:TCS]S@.4%\4Z#*"\]Z#C'N%OMQ?=9&J,P@:H$@,U_1("+K! *9+&5I6BY]2'),Y2Z,E=D$=(%*>> M47*,-N6IK<:6G".[< +<2.,P!@YG%N(*[-APWX7"6/2IC<4)W1_#8ER"0]ML M7!S .JWED>2L'6SK+F8ICFA$8DC\R(-(6@68^5X(_1#'..91$*1&=N(LE8EM M0DO3,MCG/"YZ9F"'TM&8JOQ6TI3>!* [U7('>9)F=HS)UA16TRY*X*H5VAL*\]= NBWA2%*WG44M'

*MZ;:SYMNZ0+GRW!8K59Z\SB!*289QQA/(8]6LD8L0IG(5A'$J/Z6,>\RL_EDO MM8G5L2$)]C2M$K+Z\=+T);I"P4Q/C0$P=RWJ".;*S=A+:UZ7HX[8) ^Y'K9?, ME%JJY**^7KE[N/^-K[\6;'^9J:&E/:]/?8ZMZ]_=Y0_]HK$AK:>6?1+W*Z,C M80U/J:=R@B].+U(UQ.HITBO?;G6/LKW*]8TYBZ)I"+55+YU'S97JKB3U5659 MOGI^OV)-+1]-C3KW[L3JU)+LWN]75RJ26-)7J> ;LM17K[.R#^O66+'-%$M# MXL$23D8ZUB>>E8*='7 V[>H3IZM:O<_9[4!?;:I\Q:OJFLJ%L&GI7MV6Q3L5 M-/"1KYO*;!^*JEKX3&XY,Q3 $/E<=0C+(%&[4<']*.+,RS W"GG4ICRQNJJ@ M_Z4D8[83U<=-;U^X.ED3[3WZFV/JK^-N?KI1]?F0L@99J.N MB6JT#OM;M:Q,DDAI <$D%TO]E%_PNDD+DOY+*+TA[$Q.4XF(U]U(CEH0?N(/ M)%])JU;_4L7F^@OJ(Q_'$8,^D><4E,4^)"GS(0T"G!&:!234VF_8D9_8\&P9 M@*1MQ%EN60!+Q0.H^^-!(!JFFP\-3S6&>.O9H>E0-#-%+1^@IG4%3AJ;[IAI MG@!W? 1%_QJ;(#@5'ULB0^*P&R0Z88YMD.8JY,_)]4\ZB=<7<%LN>1ZO^8/0T=^S5&F4X26.-BZ[;;DZ\59\<#91NWAORA>0,V,([^=@=A6;CR=_M\6? SZAD(VW7RF;QFMZK^7O$;\;9:YP]DS:N%0_'%/F,P(:J4,/=2F"%/0!&G_M7I9PC#Q,3%;-P^$G7A4E,97_N"-GMMX=(:&WGMG+9Z:FQZ)=-8KZ#+ZT?T^2_M_WA>.D?KT-*

'@LZXSYP4[7D'!>^=7U<7'C4 MS\LZG2?]B-Y+>]#/BZ_A.;_PHIU)4 EO[7:\H)8F?
*I@1ZA$LU3T0,"99;[@!CP2EEF1<9A5>?(S*Q! MT=/AL>*:::Z)I,:JVB>**
*(P4]2V)6M>P3\E@9>Y^U",AD_[@K5'CG]<-:.PJS M\\[$6B1);:IUG3*W+D"W8+*
MKSS#_D%,Y;G?NRR@U8G<>_6\?Z0M5=04C7FLPT@Z]\GO5^M2;N]R^@=9;O@B
MY%D:A4D,_22F$)$P@RD/(AI$O,L"-,XPN.+:3G@=&*=;LF#8D__2FZ#6P[*
MDV+!16$M%W.FM]['^$#-A9G>Z!;<.K:Q6A>K8PEV+]"K3,']3AN@([_< ? MO1/IJ/B60Y
G+<3E@L\?H"B70[CU"G2Y)&B^.^J,?==Q1,OGPWW2I='F-C**
MFFPE3.0>WCBY$=G,G'5+ 6Z)3K>;&I;0:F_5,^QL.ZUAT;K[+HVG+=V >?58
*M5&3Y:UEL'E\O257E(J>-15"IC,SSX\Q+,AAF D&4!!B2#,Z+*H-B7?Q7]2S'W* M/*
^,)+60874X]B+(/=%S$)"$V9V8S^6H8G-Q^?-X^.RWB))C6$[ZNIR?%6L M8-U +]_R7*
*>QB"W7G7XGAO&XHR=)SP3-";V9C:H;H2C6FA)OZE_O#T#>\==M MA[+G<)**
7E=P.;)UH]F9U1BZ N_86CH;U]>W^_?OUU=7^[JE;R,/1^]7GS M\-*
*!LTJKUZBY;OBO*Z\=EMOS?95MP5M<';#KPU([B^_N2WY,U!Z^_J@.C-'C@*
*M5CZO_!7U*5!9PVM*-P\;=7O%P"N^XB)? U&4X'JY!+?RI* V%[=RV$J>(1Z+ M.2M!['-*
M/S\0);+;7C B."I=P>]"(5*"*X/""*,(64XY1Q+PH\K!4H]-*
L3!V:60PS"2TR(<_*,2+U\7"\F7,=SPISFMQX*
*M_C';0*PGOBP>.;OC].NJ6!;WSY]4VD"U[<868E^HJ&@O"2*(?)Q"XL4"8H$%*
*MRQ"*PLSH-FN WN2A6"UUL-Z1-PV^ZL=+T^/B#@5#C\L.@#UET)">H,J_IIC.*
M(K#ZJ$U\5GON14;K=^J_O#<8/;C7/OSG"O059RY6@) M@Y:R\1W'6;F'=]UC139T,EA:*
J3S[1/):G-[=L#9]J}]XG2WJ+W/F>D18;PZ M"I.LDX"?VY\>\LW#+9=3O%K?
B,ZER6V9R]/_XRY$-_91F(L@C2-D2H(DD"" M/ XQ"S"**
*I+)OW5TTQ$_DR^Z1_'/CSL>U8^*23UU=@5_O_:_*BF:_A1"/6>*
*M/=#R5S=2HW4%>G'0/VW'I)$==04*VC])UH4O. MZ/:*
*['YI^Z^Y,8#.;;2*KMBW0DJ7O<"4'Z!RLY+_V^[O^L6=1:RWQMLJJ]{!%*
MT562;9:D_)!7ZZ/&K+J55R\-,+%VM72!
(GQE>H]Q6>KADY,3@2RJ[AZ<=3YRJX."790>W7PX9GC\3_LRHW$/(NR%,?0\Y- GJK\!&:
($(A3 M2H+ 3Z@?F_43'J[2>6?!S.[,- 'SQ="?8/;2P?(? MYJU7XQY 9^'OIR-
;UY++UWR9/W'V7IY)5_>YM.)-T;HVPY_YBS!)>!"A$%(< M"(B2,(!I(%(8Q#B:81Y+*
(SB;G6(3ATY8I%IKX65GAESC8"9H6JHPP^*/-C3
*M;XM/;@MP..R89"*NN^)NPR3G+NFF#<*90F[Z[YH?:]{^:_U_:UDE;M0,8,A*
M9PL2^U6:U35XHWY\1_)R'Z34MB%J%N'&-+B/!C,!>?A<-1&^9H9D6F@=AWI9
M(&9UAC.A,]NISD+X[CG/YG7+OHM<6K6F8N4;7M$RK_/\]L<$#XG(XVD$8TI3
M=5GFPXRB&%(:9YS$029BHW:H_0FMDT-];MM]=4.!R,.8T,0ZFU1')C9E3&
*M8F+>SU%/4E>]'0>HS=OG44_TDYZ/FJ^-*Q H;4R6K^H%0>49WJ_R_Y;;'R:/ M0+G(R+\"*
M>^Y!E_WC(UN=@G2F^>U5VUY@+T;[IOO:BI-#
[K@VXW3\ODAMQ\GAOU0;/W,YZW##.WDD@U5YVTP1[W(BWI%15T:M;7M:>
MMS9613":B$CXD-.40^0A DG$!60!QRQF/DX%,EDQG' U]9UAH5)+JZ9U$6]9 M
^JK!VK6Y3_:7W:^H"?Y9FN^?AR*[0))TIO?9@=?L-S=8<]L.RA_.R"PL6'I%(D2J*
M'7Q^AL#$>Q1%$;]24 E39.3ZT5@^A71A;AF.EA+VJ$&%+F1,AI$8(^4U2ZD
MVDQFLZCI'H%ZPZ#/O3=?7',/UP>!RGW/C;^2FLJK]2>RYO7)396R6"ZW
M'_])JEN2L_;!S\RPG22P;.D#Q=<5V')6EXS8_4XR!Q1W\A.@
M^)L'8NN4E:F@MK.K$T,^)GW%!BB#M!6CX5\J7<4&@YXT%:OA+(NXE9SEZW>$
*M*K_>\[:O_$1(4$*@R0D$*4^AFG"(TBYP%Q$<>"GB5%AMC-$)C;O#4FPI6G9*
MW.$L.GH'OK$RFYED8W'-2Y;UR..J#-DY$O.6%NL1\J1<6-^S]A45U?]5",X3
*M64I+4'V2^E[F*OM9_>)ZQ0X_Z#RYP,QGPD]2Z*>>*O618IA%4G4Q]P/J<2Y_*
MRQ;RA)H7[/.:E&M-W1W#D\D7_I@S_>^^JNFGKM'V;-2KW17(^'V^JEOA%@(T
MXYM73[2?$.+YC"=! CVJS&C&Y$::>R'TTB2,_
*QYQ(_;"7F[8C_D=&SYU*T<#Y;!PI3TOLU>M' W; MN9*5XP>US/BB7SG;+/F-*
N:TCA+]6*QY]:$@JZI:,K/3"4G]L4@3PJ/8CZ#G MQ5PN4P&%A(0,TH3Y'DL0"6.CJK^6?*
$R_]QRU594K/E2%6CK!K@U;T?%9[OM MN6H&31.Z+=#SSK.*
++AA6O+QD44JT$8S=.RQH'@*A?+DHMY$[#&0762=35R M.,M
E#J:Y74;VK(MB.UADC)$Y)$X1 E$3*0P%1F&R,.4IG&8$&H4BGB6RM2G MXS:DK D;-
"PI?AX6/3LR6EA#]&&16[EG:*6=Z](KB(FSM*8-P*B3\R3B(;> MARVN,VXWV3*G-T+*
(T\J?ENL4?AI$(49DBMC0!#NB!C[Q\XAHW"B,EM-,!8]%',X1TI75P+4_6F8[K[WV])KY
MWWNEZ76MGW]S/J]Y+^<'#O'^)^W6\S8=6QZ1ZNKF=\4=^?YGOO[ZM5BJ0,AW
*M17D^NWM!62*RR"77L3G_EM^5'ZXN+ MFR_N"5?:7]Y/_%'^YJLDKLXPM'AX*%:@6A?*
*TGZH%JN*D$L]@3;Z#;WN>-2W8 MZ!G1VVU,"K"=-6PX4@5]OH,.*U?G:TSLRPJXVZ^,!*
<71EL::C5EW/6/!.MX8

*MC1[/SO*I7B8K^;5XWG$\E)&XECNG8(0QQ#%/(&9CSR8">8E\G@3!'H!*
M93K$)MY/;4GGW"87JAM"WR&D%+1,!'5F(7E*S6@$=H8\U M7>L=.VV^*^M"R,^?
U6+\NEZ8:ZM1+2AG'#,>P(QZ&W$8T3A) H(8 MXLQ$E2]2FEB/MW3;_89UALIEI+*
(YWX,1RF.8,3^!G#'J,9_'B=AM MZ6Y-[TS'P7:XY#2Q&M(3TDR>?>^+%=\V'^S*
MX7>%W#O_:T.6NZ[%-T>E]NFA)5! QR;L2]D,O>D[L29H?G=!"E?N[Z/1Y_5JGQ?*
MQ%E]X3'S1BBW9<$V=*UB M=3[S\BFGO&J3*3 C42C\ (81Q1#%<0JQ%S,812$G2>+3--
-R/O=2F5R[:KIU M%I+V##?I!^C?JUS)KFI[ED(;=0:95"H$:U1+H\]6VN40?*
&ZK5&&'[9;YMX^ M/"Z+9\YK]\)-712P-?61U,LLRA(8XD1 Y$<4IE'@PPQ)(
FC'C;KQG"1TL3 M6=,#15..TJKLQV6, I92&D<)9#$)(&(AAB26?WB"!"A)*$(T-*
"N/X@0EJQ(I M#4X-25?XZ&T7G,AL9KP&+MNO6APFV%4,"NMH?
W&9SJP[C4%QC_<GFV2G$4J2U]D. P\U-JU!K[E,34IDT1 M;.I_UF6-
ZE(JIFU@3F#14]IQPII]JY)3$=M6,W)35618%F?M4TX(S-P.Y9 MI^U-*
*+CXY^JOV+=U_)JK$*U1^\6JOF"LW=WI] MU]7M57%[5=N^+FV_B#R*,T()]"A+(*
M";TDC,UV;C^,;)/O%-LOQ"_RV+=>+_]_]]707?]^$'[GV21;=4>[VO82Z4C;
MEK5>2WG;379U!=IOE/P:-4)?@:W8H)7[?+N2'Z#CVE33^=-VYS+]>_1_VVJ*
MZ7361FXR!BW"2'Y?9?E2+@"=I-OVX)]2$46Q+V# 5"M/@D.(?0_#!&EOGZ>
*S,W@M'UN?TLF6<|M,6V*QY<=ICTT+ M'-QUVS0A/G??30M@SG3@M!G%-ER$"UZ6G-*
5^ZR9"]V;?8V,1DPPE$A@D H$ MD?!"F&4(PPAY'&4A"D+?J!O) +W)+*
[Q;ZDU^QI73KB)#4.H9&8< F=Z+;[%I M(^<;VJ!#W&6,BI:4SF)6^JG-',.B)?H3(O>:Z-
+;G_@BGLK2?6^9F3S&\T7;K.CY[7?Z53FN/I('OB"^(%Z4!1"%B$)$&8,IB3T8
M!81Z,6%1'&E%]%TB,/6E>DL2;&D"151/:R]BTF^X7$AJZ-HW$U);\X8DZ8EQ
MEZ\V>Q#YPW[K<7' 6=1N2)RMH@T^9UE_3CE\[^2[U]_S:I'$7L0SC& L(@:1
M:FV(PS"$C J?)UE&P\2H3,/!Z!,K5=-,7A$#7Q0YP]J6AT#H'0"LQ3/3)'W) MS O+G9/
*54&Y@['G+21W3JR3 G)G']3H[;6RBTIU\]W)5E5A*IM2QM<[?-0 M<((Q9)C*Y2H,*91*ED*
*5()#%E*4>,>IUT$MM8C5K:8.:...A0MVQ_T(^J=Z/II3@V&*
*<<)F2011!&+B"4BC$/F,!AASH6UASA"8V+KL*8*: MI-*
$._2(H&E9EI*AF%F4:*0TLR4AI[:S(L=2.3$B/++WFX]Q[\YF.'JX/S$;?
*M7PKW:H*ZWWWE)\XI7%^*ZMK^_+7/*%YD(68J9-$-1(T20TB5Q18P*
MB@(:H(CX86;686-6]BD>O'W?>#+V5&H'(U4 D\B[6 M>"=3;
*[CQ]BE0BS9CG/$D4S)7,+%;YG^LB.%))L8X+'@:+GZTU*Z/Q>JI#F/^ M),WRNZ)4+RTB%*
B/>1BB),SDJA;)@WS&/2",*"8"(Z04=^5>=F?W/.WZ_Q6*
M!S;,DW9V:0D<;D!>;%O<;$#>94#NY=L$1A=A&D'U1LH)66)=MS5YDEG[X!*>S*
*MS/]8>Y)))F:^5*5>+NSV))VRE(LPQBC!B$*.L \1$11F$?<@]]*(>D'"*?(6 MZV)-*
EGJ+3&=LH]5\1T'?;:->Z98P-5L+NB#H&6I+T.+$MW MY%G5_HQ(QSIY[I&9-
_&'!P[E5^_U6/!$ZAM/, PY]:0R^@*F8<8@#T+*.$I4 MJY%9=N]F?,_KC%+<7(%O6V?$-J-
GZZH"CXJEETVW-YSVB?>)TTWF[!O$8P=5 M\UWX<1Q3;J?
@I7=_AES_>VS[[;"V7[/DKS=NM6V0E"^CEM2WI2?URJLI$YI MO^5-$ZT%Y6'J"9[!-*
%9K#D<<8B37G(3% L#'D;^1U*" M)T7>R:J@ RHGB1>F"8',9X&JG,,@(5$,>1;*
*[/J5I$J5&8:B.(;5JPMJV.9P? M3+WET3%$9DM;^W5KD]DD?:FFH.&@**
*<*B+E&:A1YWS[/KE&#WN 3VX?CU@)JB[9C*
M2_GGCAFS;LV@B66_U9@%1C,;8HR@X^:%HR%QT9M!D^)+-6YH)H62QJ%O)Y=G0M/,U.
M;,&:+[!G##2X4NRN9-+9R M^YN7M>55-79U?5[GWIW8$.V)U26U]1U69^4<]D>-%=',-
MR5I"Y!U[U\U978 MR?4)Y:5R^CL@+-YA/K$Z3I\>I^S].D-*
F2@:)E3J2Q\6\E'%"58\6^'=5_!TC:8S'YF-+U<^!MZ'':0BV9:O81 MX*:#]-LNT@=%9'*

*U#7W;E'=>T)CY<9P&,(A]N4?Q&(*IW+5 U?,/A1&1 MFT!J%M/?*
*0VWZF[V:=EUHG>VIFT;R]^&EMPUQAH*9\3@ H$,8O!THYFT1QZ\A MH+,X_CY:,\?*
*Q:XA]&L>O\Y*E3Y)^Y6RSY#?"/AZBB?3V2!QD]NQ&%H14M:?$*
M,!-9J)I^(HRY/+-0HR+VSCB;V&AL^=S='L),-WHJ.W5.F87>NY]%32?B2\R-
MH9OP9%K&!+4-3HNY$] UA*[1YQK.$U>=

Y>O ,R=4F/Q<>6PLN9C7F?66+A.'%VC![2SB!_Y^C6I MOMZ6Q5/..'OU+#F05-_7(;-
R=;NFZ_RIUN?KK%HK)_L"!SP6@@302]($(M^G M$'.1R8-5C(FRAI0:U;DV9V%B&ZBX
*6)9?*N FGFIC"TG@.Q8,;-N%BCKF;5I*
ML3.S9Y(74$.WY4:YE7Y6#$D$_P)V/($]4^#+EBV'[B5[3!S9, L&9C5>]@ =
M6ZT1(UE4Q?A-6D34-GE - D]PCV(I<6!",NM6!IG"?13#Q$:L%1$6HW2CP>>
MV+0H2@"!ZT\W!B4ANG+WFX4QTI@I>RN(1>..KC0&A2TLI;(K:-%(YZB,Q1G.
M>\M7=)^?KVS%&2X/RE6<^[V%#M?).8V#Y/6F+.7,U)\L@D@>J2(O@6F:"H@R

*ME47#:09]CPLF& T2JE5,HH_(Q+I=TS!0A$M0:*BX P'-U+U)(MPZ.UN:5\"5 MR*
*9VP('H=C;!"@(S2S$@6Z_5N/3N?!9D@/L#:S+TK-UAYN:1*U?1ZO[PB-12*
*M6%",8X(0@Y2K3#U?<)A1',($Q1YE/D(B2LP"M?L)FGPGK6*T=^1;[TN1+?-[*
MTB9XT(8)LX/ (+<3TD4ASY,",H@0FD$,6,IC/W 3Z,8QQ@9E?QQAY_-,:^A M*
*AZ+H<[=^@8&OL="FW/HAWIG=US=UK3$]+1R6R V*RG,#W! MCT]6(&;_.4.5?")KS?*
E"EP_MJ(,!M=-YV77N' :+;;AE9.EQ&;73;U"V5TXG1]ROBNG7I$.+IWZGQR=1=84*
MV7A?51O.%G[F$TXC"N6>R(-(H!"F"8L@28+$BP3.8KU&/0-TIEY'.YEBNQY=
*M>4W9OCW7)6^QRE RHOE9=T3M2>7*2S MCX_NL_6Z>.(KLI*?,/DY9RM>57?*
%1[[^4^X>ORXXSE 4TP2R3-H^)(\2,.6" MJ=89D1=GU$_CP++E5C_EB76[2Q2L"[#B:_!-
T07UG;QUEZD!.#5<(%.!9;W M)[VFMHQ(Y3^"3EV/U-Q,!9IUERYWX#EJV#4&Q#'MN_2*
,.CD-3#@2S7UTI.S MI[^7Y@"CK>YM4:T[[1O>2:&VV?TWXD^B
J_6BR#S4)BHA'L:)7(7E?D08QQ#
*MGV91S*A(J5X:EB7]B2UPK1QY1SD>)4]PW>DT4M]1[XJW%)\:QBSMC-:J!N; M:-*
=8CC+40'%ST]%\;,O>W(CP)]SH&AMLUVCZ<1R.T!UC/DVP<3 B&L-^U*F MW$3F'H-N-*
(QY!\>WJW6^?MZVPDIY%GDH@['O(8BPCZ'J; $CG."$QF&8<"TG M\O'
$QOBAI1ABZL3X?O-YAB1S.RAKC1&/1G/L6[5B_%@H-EZ,)YCO]M[\>SO MS3VM;_^U?
K[^5K+]FOWCW%9>M M%2;A_9<0&':X.A#>4$^&Y9Z@BL2
F%8^V$MCSN:$'1"JZX4=>M3.#7LV?G87 M<)DA[&5,("A\XD'D11QB'D10Q&?*
^L3W&36JYM!+;6)M/0@7-[RZ[$=)S__] M3'8S93T0NW-M.4F8J9:,CERR_;1F=:
(HHQ1'$80^+'%,:1GT6!\&,OQF8W+)>)3:S3+25U
MP"_Y$U]M.+CG*W4;W'/%8(Z8[@6+&QQ,;UDZ5($B>P7VA%W>LPQ+Y^RRI8?4
MS#!PQ9)3<;T!\8K5O$L/'2_=F"25H">/[X;J;X2LGCF8 M"B\S\]! M6<#*
*[/FXZI:Y!UM6'";F6P#@*A'?A/2\B?<6H)PDVMN,87XF?[^J ML^)1KJ[OEN1>]W0^.-#D%*
*[8U?;!-3M_U-59ES10KG&U4 M?$;+D?Z9?1BAX=.[4W#,;(,A+N"+8L?1:5Y;;*MS_?*
*#HLYWPM07MGO7U7[+; M2*ADM)6%W&YZ'.#D$>07'$H=3W#*(D#6"&"9(_L9"PA(?,-*
PLCT"0\ M1_P W074/#3,2#U0W("6'7F^V/%C>.&M"V^_Q9@2-#/+4>.U#T!J^0#7AWA]
*MFAPOP\B "7 ;$1+@!#_S4 !#$ 9C '3'F_?RWU#*DUM_T__;5U#"V2U/,]%F?L7R4QL4UNZ*
*MX'Y'&/Q,ZA8>BKAFI/L 4!KVTHGX9M9Q*WF'YM8#ZT1J ZOG1'H[&V>#@IDU*
M&Q2NUW9=?GL^2S4HP8%=&G[:LL:WR@AH<@'>;$IY\&_:E3F$:^3%,_50>!X.
*P,SWA#P.!E'*XY!0BALY.-#$.EG3!SL&P)8#FZ#/85"& M+Y"98,VCSP\];2]W=.K(-*
=BT?)@WY>;F!^DE;F% /]67"+4=]<>C3QTS M6?X+M/0,O-(G$&BXX,<(9F9&.S+95-*
T]$<[TSY&2#L'N\X$FCG4+\G0ZT<_M>6D^]_DE?@^\YA)%1BE$(9;[A=B/Y!^1
*M1R(FPBQ-30S$I-Q.O?_8,P%8APLS>S+M?.E9I!]F%LQLVI;M*U S?E6'?>YX*
MK_]UV%'IM!?3%>C.8E>^O6N'.Y,Y"QP.S*RT_(Z]YF>!?9C0S\/4;NE0IY)*
*M\^I&2%JJK*RZVE2A^<_-GWN'?4*\.(U#"A,4^-+F>SY,:4 A)2@E3/[I)T;E*
MP/7(3FR\:R94ENVM?&A[".K)HFT5G-DQD0QW;&\&T[@W'DH?JX4$D2I M0-"/5,
*(N(@SB1!H2BA.."<\RN6&,*0O])(5QD@40 M1?*(+N$,(T%3CV$H@RCQ5J5MGYY.'=*
*<&,/Y;7OW0UJ'?WMX+_:YGO&> M$$@S*WYR6=*PHNQZ>^0_N%MI&71GS"V!*
<&353:G/:MXMH3FV\[;#6%P6W/(5 M6:Z?_SF] M83C_YGS7#+V<']PU]#]I'B/WV^HQ?Y-
7]"Y_X.Q=4:I+TC_(TJ360L\0$UN MWS[>O@>*]+*H-B4'-0=UH^Z#"*
?)S,8@0JX/DGY+XA -,W-B H33F@H:TEK%
MQ/6-.ULTG(9PW3@XGX_IY7BPBE84PPAR+SE-?' M#R$FC, T\R(:H#A(/:-Z">>
*(3*R_BB14-($B>@446?!%$38,-3\+D-[18*S8*
M9HI:2WQG)K'Q)K]/)$<[^;,D9MVN]PEYO"?O?79$1EO3FZIJBM,NA!^1-/0C MR.
(D@H@G4A=]'\,@H@E+(U]&IB<_D])3'S ;]N:=8N$ MM$.$N/!QD*
0QY!ACB$@4P$RD@8IH8L3W(R18L'ALTG?6I%S/@=,Q.7V'++_/
M5ROE[,C(4ET3C(8GPCQF@?"@--Y"GMQH!--$$)C)0UOB<1$A+VOA>;LR27H< M"%;
LVE^YY^TO%S;5+EJF".W:5F^:DIG7'MN]G\^1MR1])SMY^5QMO+I_O=%E>!/+@B?TX
M@1Z/Y:Z-^8G/UPT^CF7W]B6GZ>3&]T69L0Y.I)RS2G4>*
M4CGU:O]V(]2Y:2$2YL4ACF" Y'J%0IK!U/,HY#P4E&0X$-0SC"R\0&KRY:4A
MW'1LRUO2Z@I.==$S#@Z\A)>>X7>#@N'EPP$ [SL O.D#P":,;D V=S%PEPC- M'<
V(/"9Z+.A-^P4^1.O8]/D@63]W%X,R:.\S^(P@9$79A!%
D$!IEADEM9Z2F%AQ6X@IFBFIV?@T-//<4*:Z>6!?,,7@L;Z>%D61WIXAL"I*
M^G=9P&.]ZWG2MKRQ_$+S:MTNRA^+E0HK)2K0:Y%%/5X(J"/<0 1QA1F*,F@*
MP")E:>1Y)$%FI:QZJ&E]/+A5QQU,5+7!6W/R 2'*,,B@#X/$N7?%Q![MFDU.3#YTG?
YT/[N?Z9?.=LL M>9-?48":DVU5:$NWJBZZ9@[1"1"S=&5V.+GJ@-;A!GRYJ_V9TZ1AV
*'BV'>H M2_U%O'Z&T%SRUYD.8QE P)?RM_>_UKT#ERIOC*FF %5M)]XN[59!#B.O-3W*
*M(?,P@HCQ!&:!/,,G?N3[24HP"P*C2E1:9"?>?[1,7+6=$Y>UXYX<,&)X::P' MIN9%LG.*

(S"S.#IU?.^@<\K]ACB\:382VM7MLQ[1>6^DC8 XN:4V>]O2=+2K
M]XUX_555,7J_NMB>K5Z0]FLODC.,,^@YZ4,(M^+5'EM A,6>&F2A)1$1C&# MUIQ,;6
Z^YN&,U7DN:O$S(T>T"+=J>Y$]7Q]7_*:Q"TOZTV91.!5L6+Q(]QF,4"\I!CB#R:0BP|*
M!J6Y(QR'89!D6J61-&A-;;UJXH!LJ:N.)EOR()/T#7$!D#KMT>.H3"T. T* M.*@0QF\I:F"*
*(^;*K]&0Y2+/2?&5\D$4= MNE'"_B"J#AQ>;X+/17]&_FJ)9,':>"1+$E\1*
*CTFYGJ4QLN3[*W<#C073! MZW>_@@\%65V!LKW=?"1U1:"5?*
*%2%7.1571"A/N3L8C%H49E&]YT'56^_-1HJ M,\MV&'_1!*Q-%WEQ(M $01=*
]&B\6;W$B9E^HQ>G#=IK<5O.H/G'*\R>UTY$: MT,9J+4@$R/X@5?S/P80?
P@PC#&G":19)6QU[B5F$SQ&%R>-ZJOI0U5[DFX;Q',.A9P!' M"6EFOK;RU<0F")"](*
(JS\)SC\6<.RKD@WFDHSJ4'+=RVAWW=ZMR5Y\:G4E>R M:1O,DGN^X 2ED9>%T$N#"(*
(DDV>E+/,ARD2:,L^+Y?%-VX.K379BG=Q3!H\- MZ:MMAVI)W+!KO1Z.&D[=2= Q4^:C?
HMM-M]SZ]1LD;J=%BD#Q^\DB-GY@%TA M9^81-@:@USFL/]I\?F)C"0] M/3>%"!;"BP.?$
S3+)(GS!@G$$K'EHF-8KY2?
N<\+,QI;O=W11(B97]7MP=HQT+$05\X+5UB([6B/94)YUMV7 M!23'^S;(2S=741=[MS:*

->62EM@3&.1A!QZGLIX"A($,<,!%&$K86Y3@,R^?
5.=>Y0;2+YM["81^!7(DOYD>Z8GNT,&H(:55F=Q+ M8\Y6(G=
J&YYW%'S=2.\7SQIO6>O,LK2I;-Q< [^5FUP(AY]J(%#-,XA"@* M*
GD"3A.8LDS^+Z/R4ZV;U5X]$^OGEBYH"+>W; FK:>5_1CUZZ4SR0V=@C9" M:ZNAEE*
]BBC?;Q11_K!7Q/Y19U%%+<&VRJCWL(6GOU.&ZJ/DMXF[J#]<)'$<
M1$CN'Q.F=I)4<(@%H= /_210EVN1T_.ODQGZG %1-W=8&#G9K?
%PLRM/BQAKQ^]Y_7Y'.?#,AQXRC4>=U;2 MM9/,V];\45N[:A&&
(1$BD)N###'Y1^Q#'.$(Q@11%#",,F+4)U>?],0VJD-U M%W)M$4YM
**7>"7D:@,RLV_FRI%W$MB6X7O&L3O6] \]VM-<1KWN^UWK>7 6;!%-VRWGY:UEL*
M'M]U2LEH:F#/$!,K8$L9-*@IGTES[+%>E6L#1I2]4$PK(..I#=3P3[!P1>G*
M.>&:,EII8M^XLRFBAG!=/=1Y?$0.1#890 M%-W&L=L>O6#;H[?
<-9EG,H&E#DU6U/5QX":$!]@E,(R1-4A;&*ADN@E[$ M(G#@#%LE*
*QW./S4IN;SY[=WGPW+%!S*KVDL]4IT.9[8O&U) M;2!"71]>O/-VL&+K,?92YF=Y I(4 M*
M!>B(<05V,[R5!'SJF^'Y2IR8HO[2!4^T^?WW']B"K^S8BC&A.VCJE7[E87@ M:8)*
*[,,D(RK)#Q%($M^7V]4(IX$\"69$*V[S>.")+?,NC%C1,@^6KD7OMYMC M!#(S;WJR6,5*
*=QD?%?9<#S1[I'.7_7/!S0>_M\OJ>;42\FS(_F$1=7#A]8F_*
*M^=O4EE=\Q46NNFKO9/7V/FJO>G4KXK%? K\52OO)IO?JCVD4T&*NBYG 3JV;-*
*!>BPH1HG;,H5 M^*/JQ,GHJZ8N2,.J.@$^9JJK!\T$JFLHN94JZ]*83;4-*
A>ZJNNFKEDGH7.Y[MJYMM3\^=2YXGB>?[(5)%;'R(N/PI"Q.Y&TU]03
)_(2&)@Z("W0F#]AIZ8&& MOF%R^@5L](IY#B0VT^R&H I!V0H]Q17&@%BN,R_$6&?
41(%L/$QR%$(J.0\,"#@8B2(,9^DL3FWL=Y99@I M$I#O.?OWB
2T^3H8N#5_W$F>W=%YL_=L=KXC_Y:1@".FY@>)!+21X-\J$G#$
M%+F.!!S#BD4J_':L/_/UU]>;:ET\\%(->B.VOUDP(7 <>BE$)$$0!0&!V/-C MB#!E01!X/
*BTUC-->E,?;M7Z48C=FF*0*:Z!5;^QGP !,\.\I0"^2>)@2_T**
M;$%Y/0DH!FGT;L&Q2ZL;7+;B23TTR 4.((!CS(PA##-%:U0$2)GWE#]"\AK/OYFMF$>*
*$QO;^L.!C-KUR#0$*YCDK>D)SG:ZTGI:$>X,?*
*[),VW9@XQ>ONO35VV=EL=NZK9O/M*5NWV[ ]>R1W9MKO'(F$8TX0+*
MR'P10!1AH5=T<5 TVD4">X$AD&8YB&F[G\&Z&H+'I)_+.?#5I9_,7
M\)FOU\M_BWDU<+S-/T4MZ61I9.JX;J[?:YEN+L?3'MEV#72>L'B"^SG(67 M#C,S9?O?*
(]K,+3?C=;F&ZW,-T.PF1L.\VD=F3Y-(G.:K?,@#BV.H9OF]F,JEPO?B/?\X?-
*M0UN3*HDBD8@@@22B\N3 !84$12',TBP6-(ICA+7,PLG($VM^2TM/RT_%[E?D*
*M4<*8Z6I+QF&IK8O,]ZFU4['6\6;;HHQE9A+C]@V]|RU.OW(2=9*
MOI2+^2(+L\Q3=^A"O@P1\AA,><:@7%-)0%" 8F[8ZK'VL2Z<^A9ICO/\G)+*
MW[019A]P>DNF,SC<7$1\&$3"HE>FAH3.^F;VT9JYAZ:&V?]-'5>,@^3;3;F*
*M*A^DVY$+PDDN)+ +7S4:=6+?;(_2.FTY^%MCS8Q/9;@A>O]Y/BYN9 M$?*
@_W+WK@,IB 7+OB!FW+1'(S_,1%96UI=0R$9HJW6#PJF[%BA] MLB9;-PBZO;:.=W
D_^!\];0T+8?5XLYGW=VHPA/HDROIW$4R1"34!@ROESA M0(8LBT-9! S4>'=>U,BQ9"*
<8M9)MMJR@>-EE"'Y0@$4&1P#@C"#MOEB%SDO*
M:%JFD4&#CUA'AJ^XB(%D]W5,$ED03F,
*M$S"RT[;B@#OL1S#8>>4EQL%\L94TB@.>,\,O><4>&VM.B(,&,10D6*1%Y3F-)*
*N*PXSDH>)]M MRH]@:J8B$HUXX &681QI(E2F@@*;0;*8Q(SB(I5MT.H7%B]*
*[[%TE,+]*7FO6+/O,;^_7-]WX04M M1.L;O9:1XG,YYX8=J?*
K9C'%.=#HB,0TBA4D01)C),,19E@L=!Y)XY+LVU7

M=TMX;G#H,\UG1\)).=.W$/29>W+/O_>"D3H!U^>:";;G,1[G9771NNT;.#B7
MT9S8D)7:,U9DG+%4QX0PDR;!"C M8H53052>ACHS"$!'?Z
.=!MMK8_W+>U:M=5=N*87VM;'9\G;#L; MZ;%,U7[F6_T?]PUMI(<#;D<;2P^W-
]Z6>>VCI(9VNVI?,:6[E_K/W4X1$82R M,(UUYAI&F&0)PSF-
!&8!#R2A62KB"/*JLI8\\CNF(DE\KD@2'W::P-XC]BC: MO0!&P086N3O(AQ9R8J;01I3CG/,
(JU M@)<,TH%:-:^=%C!P> M&IG("$5&*N"TZVE(^D. 'T-AOGYDXW"?F_7SMS_->
['1;@=X[1\P[*1NKSF] MAW-/7SG=>=Q>S?>.X/9_TMNTZ]U4D,YHH2Q*0B$X+G0(J??_*-
%_XWG,>1BQ M+%;F'-;&+AFQ$PK;D=C LU'O9#]1A<+]%%K4>'J'P-LVZ,Q)H MI(E
,*O'&V-]2NAKC[#N <)B?''7?U7 :YS=/9:E#_'M]4[HP<>?=4KPU?/"! MC@.$\@+G
34\6H1A*A(SX2>-$DY#E<6%+:7S.2$CIQJ-6%3+K5](I\QP+&OZ M_5Z$^MW?
E]TP9W=GBNV:\Y)=MB]#\#/7WXQ]?KK[_/UC"^UH ;#\.J0\;&S'OKIN8SJ.>TPWEF-?Z;TQ'
>_JE_7LAJ2>LWYT\/3PO0/7]=M@76Q.M(+%:;7,3B+J-"+F#C#11H3 M+&/!A4B+
(LBMO,!=A;%W/FN%ZO3I"M&=$HAVM !NA<*!MDN^QH4/YK$M%H.90AB&DRU2!
YGPF">1(#'H M^-.0P)%#D6GEK#QJI=_?M0[NG'&#X-D%')^0
NB1K!HI&MOSIUC+E"'?D> M20\L+?7%>S D;EKJ TOCC]@/;*^#I]B?
5LLO3PL9!BP)K\ORKGQ8;L3[!;VW M3;K/WF!D-]9RL1&,C&0<[G$*&FIFLR4DSQ,! H
83MN]8 #S6SOST>]&"T^4 M!(-6.N7_Y^\ZV8I@T+#N&F'XPVZOX9IQ^,-JO7ZOE3-
\)_/ED_;M9O#0:KG^ M6:I5*>O/W='O;P@SP*6/!JG*'ZBD89T0[S=%.]?
8!-9^OM+]"^]JB5EU_M.V_?M@ TK&3UT^0 MC56U1?W_]FQ,O6&V?Q3GP?
]D=B\:5CG9Q4# 4[++,8"F9+U&NF9DIV\Z94+6
M:]9!/M;_V:F/9U9_F,'IUTOQ67]!3$7Y[IG$'M4_).
<,QP&V=]90@M9\#2H4]SZ(OE*OTU?;I8"LAE_@YCIT*@O>$>
M0X=S'#\VPL)*1R9JA5[I19B8/\^%F7'J;WMYV#RG_*;GMI-E.,.F=7,<:C*" XH-10R8*
[13'75UKW?2UZC5OAK*U]$?-09<(6-"/;)O9\2H M1X-& 'N\(T4^E7WMHT@C
&]QA&D,J8YLC?,UO;\O#=NAUNM6-620'[3&5>EK M)ID(XD"$.%/SOGBS)=XH@'XW*J!*
M!^!B=1!#NQCL$QE8%+T0%#CIH*6EOC@'A\1-2SEH:?P1XZ#M=8ZEL,V*_[,F
M0'O[5!J^Y8HIIB9&.[UNG$5Y&@<9#3&/58:)B"AF.@G4B:!*PS@3+$M@5(1P
M'48.%Y5&F%4L4KQ;WW6?/^F LV7A:EST8"'E@-BP_N?5:5:N7?GA"E&EGQ)Z
M7Y.R/7FE0'2'QU>MRD&#:4M1[A =59HNN)5; /N-
EE46M3N#E49Z:0\'0D8>3@T\IS/HYV#(E=)+G(4%B^>:*+Q_Z87-5[F0?"-%>GR!;7:M:?&
[&O!(/R&J\-C00=S8T?4 M1ABIY(*'4X$9)&BRDK.+^=TBM-
/UCBL._DV*IX6\5;\NRVU!I/M-,I'JTVKY M7(U-KG:@UGP5 M2:.A6:5W==QO/^E]C8[V-
"S7*=-B[+!NZ5N@;/5JV82-LCJ.54G,*$Q2'O'R MM9#QH-
&T"QM_$!XM=#S>^H)&PH8=$=H_. GC9:=ESJ$IT(KD\D*C8#&BVP+H M;WYSCPF7-?A-
2??88\3)=KZQ"!Z=-UCJC\Q")508J #S+,@PX2K'A[F.4V_MNPU'_X?
8T:X_^&/N8>]#^@/N6S<*_FGWJO?X=JI3EO DDJS 81S'F.0)P30+=,Q6)!>%%PH(&
[EG)' MSI:V6B!9J7%EV *;>0(^1M38HFL76D? #!8O=W"]:.^#2.ICS[;46S<2!$49J M
2WW%-9LI4X:JX!0' 8@Z.6.D[N%F)O81A>FKG6S?$,?YSHM:I8719P1FO$" MQX4I)
(62X2+))98ZEA1YDLDX2T'#N_NDC1Q!=K*K"BS60:,1#YS=W8N877SP
MA@,L*IR'P..*#62CKTG>O;*F'>9M8_;1/&^KBRZGY&I3DQ=S=K.F*Y[QD,2< M*([C-
TP28H(%R3GF*1Y0H,T*BA3KOQ;)^2-[.4?5LM[K*][0*I+NX56;#&O M>X2 Q]R'X+-S>
(^@P%S^@$)K*[L^2EY+'X7_;@G-2")$'..6)7D>$C.." MQBD.8A(5<2C#/
!17UV@RX2;1ZUN:*<&,&!<@CET]VA4)(%;1"= -$%F8QK< M*M6J,LQ6N0[$^T3.8/E?7|
(KLDK[0LY0W9^/\C]EO!]H/IXYL/]YU**3?FP M!)%[G;QX[#5*?6YY_F
"@[FY2_P<=)@_^+#=_2+F,LX^KY>:;<=N/=/-4ZGS%3#EIUK]9 MF*:*B@*G.=&K":
[S!QKE.8Z#.,N*@N=98G6,V5KBR![9J(#B#-5*(*T%:M4 MS RRA[#?
54'"G8I>'>1H628&5R#-<#3.D4L98!9S3@HB,IR F
MJG."1G;0G5C$M=PKM&A+GS#_/(N3G8OZL![FI1W#WU2&CU')'#++DZ.>%3.I
MKPX9>^BN@Y^'SX':%0CJ["BH2Q09V>-W2EQ53$/@,5,7@=P?#J:$#A8N
MH*B!IECY,/F"P5<7B9]L5I8/D+KCM;SHU@/]WOQWE'T05S \)3I@\9,F M0*
[@'"9&SO=QW-Z59D[M]6:?]B*1.P$2U?FH*93*1<9@H'6E$&)K
D^.4:HILJ5G2K(57JG>A%3) %D4XB#&5'RIE.(L(" M4Y9]%Q=Q(14HB3@K:>*:
(F#Y,@R2I1/[,/VRJJ*GY8>U1=YX>L])F9B-9\#<
M8\Z=H0OS%>>04D1&*BHH5H$BF)"$8B92CC-&PTA*J4@J9DNY M&1^GHL:IE66-
4BNS':JT10AA)"9 T"[F>?@&P2+>%I;M 9,KU-CU%_<&K/(4 M]4C_<>]K)LG;!D
M<9[&>MW!19HSZ8)SD6@8R#AH10BR%4A@#WEMK)'CHNU)KA2!>UT:8^ZEM?
WI:Q3.5-BD>4C+3(<%SD+<1I(%;$P MSG)F5?, 21U[S=01VNQ?@&8'P1 8\7*4,7BFL
MU:E3D2M4<_+..?HBQ1,W>OG+0URA\)2,@,5/FI&X@G.8ECC?!W["I"%_A SG

*MZEPR]N8L:!I7UY1^O{["IB[MGRH_L9JG5#;Z1!(]SZ3'?TXH7SWP,>I7\.^*
MT4+.9^^6F_GFI9KF2W7P>Y9OZ8:^:5H"]5FY9TQB7IAN!IH33.-8XB+(\S"3
*ML9*AU9G0(4$C.T8M&G5DFSY\BMX,=!'"P.IW(I\0 *MSCM9;.YJM:3V>IV]1 M>Y[^R|*
[S!F\\B2O:FM?ZIO7GX:\?TXC9[&Z\74ESIO+K'BHVE%Y8,YQ^SN.*
M[,=19#0FJ#E:H/*6I?M\$7[MQL J>&7WS@@P;RXBX]1PARU1E\.\!F!21QN*
MN],+%B!FLO4QY%":%U22BHSN/O9AM98$[G/?M'ZYF.5L%7'?:&@2J4YU4_H):U/[]
*M)JLWG32C6U,Z_0&8>7+[,WUKBROBDQ&FLJ/8*GF.F2('3(DTSR27/ M(JM*T.Z68Y>*
Z9(:N<$'3O[O_UNV@,+M=>?KM]>7_YE/]:UYYW2?+C^HC?_ MV'W/.[>:Y*
M^K'K[S3[Q&[=2Z'XK6CU+JIXQ->,14YE(!(Y%#!)@Q"S.,UQ*
*M&H41CXA2^KL.*7J>%S6R"^RZ']=&\E4S90[-*^'N<^=ZL+.K;?I!!.96!ZV@*
M[1RY9JRRI(]@B8M0 X;?%AJM+C"@6GCS=W/AAGG[9/\/W3Y1,N7 M(C3IE=9A466IV&*
4Q48@@WMT@7-) XUJH52+)>IU1[GD"QWVEW/U>L4$@|*
M2=0(1T8Z@#"B#Z9^[_5I//"5>,YN%\:,/@ 1!F>@'#CQX!_$6"L&!;&]9)A
M]%T_'0>&A15[U!)QCDD4QSJF(<)+'9G!$2 FW M.HAK(VSD
-4S_;D2[V<:=@V;7:KA"PQ8P'+'P=< [#T#QQU^78OZ$09?[QEM M.?1Z_OJ'O./,>-J:;[RFS5
*M0IN2+M>4U]-)EG)CKEXIG2&:E@,SJ=;R8*S3T[!(>4;$&!95ZJ,PM2:H5J7I MN[BJ9Q-*
*=TV9BCM7L9 MFNL]+CQ;>*L:KE6Z^+Q:5Z3SUVR],;N2,[V,+!B-!.8D,">7\A33B.D4+I0B*
M4TF8, %B@K<1.G(8_YDNJBC^]9NTC1T@R.PR-]] 0&-MNT^HWT9;^:A5 /W>
MJC#&H40+BWV?3^P3^3I'%2U .'MJT>9:QYA@JE753-?N7,Y9FD@EE5Z^!:,RY
$@>0J!T6!DV)&]OLJNF)6#:SEW1' 3GVQ9Y"R=/Z+[0>Z MN\6L7D,8A]X-0
%W^EY+?;GY:2'3.G:OH4>NW/]I-^^% V8&U=24"-F'([#/H,\>>M)$9/Z:I^1AY[:^UG7
*MS=D5EU*LWVO%OE+#6:9_\BC+S8O.[I>;ZZ4P;&6/)C+/0D("E149+H+ =->&*
M!69",,R8X'D21Q$1H",J -FC;]_6FB#S?-":UF-'"AMMJL$@LE4%NH%KCZ^=
MFX^$&LS[]P'[V@#6*G*%*E6N*N#>#0+GL/$+AL#;3K"]Y(FWAL&0'.\5PV_A
M%G1NECKGE7?T>Y/B_2R74LTWLR3+0ADS8F)+HO\(4EQ$4N"X2&(5IT6>,3);
*MFK*R%'?V<>:,."OOV#)O' BU+]16PM&&?D<_-_=0(/=\$ PX% V9Y:+=HYZ]NMGJ;\-*
RPV]U]E^ID@B]BQ]UX:T:C48J_0NAY9_+@5#]QYM4?4SM/'P0GF_$8'M%/B"FTQ
M^U)AUHQY_CR,&7R7%FR^KSU;>\'3[N"" 3G:SX7?P6%WUTAYLWJ62YUL?)PO
MYP]/#X:^O2F1-X<1JD0YB/)4A9SAE%=)ZB48FJ&0/(@D7&:DIS9'?.#B1V[*
MH<.X#&\4N4(/M2K5[3$FFV"7 [!Y:@;Z M]=WJS$COOU%3BM\T/>9I&"V4048;-
%^B1I\KU&CDO='?&0U/F1U< M_J0)GC,\AWF>^XTU5%/DG9"IPR(T$M&3-.<8)(3/^-*
*M"40UGEB'01WRNK]_LUIO/JTV?Y<;]FTA=:-_%M]JA.4+Y*6T .4$S]TN^SNQWV4L,!OT\I3*
MVX J(ZZ04;IB GF1&[33NR6U0VI5=A^[1S;N5X'<%\GWM,I/RQW^*@_FB)+\ M=;1P'?
VJ3=W/JS6Z^MG.E^81I"[U9OJ'$C56OAMM=#W6[<_(1G65A$%&=)
*M8/C.B<1%'!*L\K3B8!$R C5>@348?4>FVFMLIAS0S:;-T$T%3+,*
M4D5%JE?])N):1JASDD"1:"O/VGVJEP):;;[)LM/O,:\T ,::LUA9QA0?" !C M1T?D-H@T4CWV?
*Q:YBL*G)4SK;/@4$YT5$&OX?#SL"AG/FR&5J[UHLH.7\V.0I="IN/?:E/PW^F9>5#,3.<*
MDKS 69X6F@DQBP6'.>F?3U-(DX8!328CJOM-/VI.^GKJEV[Y0^HIY>4N]\" MBOCC/4"+*
[8_7?1X^PV6K$-II5#TB^X]?H<8$U-CP0SQ$P%[.#_$PW7:#?H"' M"MM?
&AWKWAVJ\:1/M\?;BZ6+>D/Y[(6OP MPVZ%B3=&S^6FK![KE_GZGS_+)?_V0,M_-
*F,#4ZER&8<*DRR-=-XO8IP7+,9A MPHJ8)2P1#+3_,21PY#BT)QX9^6BK*
'#\HC6$=N4'G\# @M5EF("+#+:&>BHL M#(J;M)A@:_QA <'Z.A=N0/Y-
*BJ>%7*G#@V\Z!WJGE*S&VNB?FF,KZXJ*<#=2 M17'#3)%*+** 8!)SA6F>,4Q5F&1!4=*
HMNK5N5B3D0-']YKIKCEQ/K,ZKMTJ M6/VF4A'":7?)4[!
(@J;"%A9[W&!M"$J1S0@%R)7.4\B4&OGD80I-K" HW>/0+!+""\R#1:%Z]VEBJ#)"$-
&FL?)N.<, M\37Z]NC^T\ZV/6?>T?#:LQ]T[,IN?7?KU\:#=::XF2^?YLO[9ECN:KF>Q33-
M>,8"G G#WAY$'+,@"7$6BS0A$4G#- 9U5%N+'MD?=Z\H0Q-B6 6 3<[V&-IY M[3C(P-
QY!TKGQ6[4J!J$EWR^F-.:R+HY?NZQ61ALOJ]&7WO!TS;I@@$Y:K"%
MW\&Y.=89F$8@7K.K$6/W(1F>C@KWH GTYD_7^K_-2H@NM4!W/EJ"ZM=
MB!D'+%B(,3A59]];+1![03_]6H/V%[35!5T/H^;2XPH$P%]SJZW@J;M:@8"<
*M:&>%WL%Q2;#?7F>Z9V>94B),I,Y)4JET=J*HSDXR@D.2IC%G820HAT23$S)&*
M#AM;B4V_:M-/#UPHG(#&3ES:TC@8QL+]R00SJ9U2933%H63Z'<\RB@MJ5@]Y$@?
J/EO.J,T?=L=D)9RS-$H4I"5-, M0OVJIX&(,]&.JK$ _VR%S8[M#_4%!LQ7W7$ NZV-
@9XO==EGRNU^VS M)$\8S[($,Y)0;-Z^^E5+
(US$1'$5%FD8VW>,@D2/7>YOY'18Y^KA(> Q\0ZH M]L>"
<;&"18:^F8&U+CO&N:TZH^%V^?3%R_'S/WL1CJ.7N8O]4+A,73QSQU>? MN=AOJ[*]
*[H*VIFU==KS+TT*& 4O"Z[**Q^6&_%^0>]M M_/#\U2,[H!&*C%0<=HE&D>E%G2^I-*
9]?C_G]KNC''#'8?-. M^.%:\K_>KY[_7WUQXX)<[#ROYY:3N-RP2:VO67P2[F37B\6U^$?

*%J/?8G'FV M=+#C*T=V+BT0'0Q[Z+*;VGO6"9N'O>HR-6#I\ EWD$.=M\S)F4[<;C)'*
*M.F]*UXEZ/N6+>.YS*1_I7+R52I:E%,U1(+U,KI+=Z_5:;M8S(D064\:P*-($*
MDR0UO7DQPTDN"Q4%!5=%V+(]V26>;HI8?9'WB9Q@GMLH@1J^R;J&4W-0TDJ#
M2VGIK."V2V)'A- G]U(+:?D3 3L#E;)^6,G4#L1D,9
M(+%V(UX+A@[5.HV278#Q8#LPFS@[$H[S-N3HM9>)I5KVF'L^LZO^X
*MXR#2W;C3YG39K?I(S42:5LKZVZP0L?;72&(FS1C20CLLBQ3#*0\I$V&0%WD(M&D-*
J(71D%ZX&1,X[&Q^7;0CEPIJ8-FOW>/19&,%*
<_&FOT+I@ZZ@$U^-11@/F#,T=M[C7MQ%& =4?S1B'7 M.H30-ZN2S9?
*77VZ;]3\IDB*A:8HYR:D.E2+&+-=_"])BT<'BREG+.B-'8?7 M3!"$SG! 68$*%P+2@#*
(N,TUSJ&)&1 ,;!Y ^>M38ZE+5#O:T03MUT.^M*
M0F#"/@C4=DNGT0"$!BA_V#D0^SE@X(WE#R)[8LH_!UB.^?]<;@(+14+.9Q_D
M/5V\TW??O%Q_GZ]G15:H2!0$:E5: Y<>^1PT@E M#=7B]-=="[0,$Z=@Z
*\"%QH'NME/]TU=.E_#W:KZ7]O=_TBWY?S]?SC?RP_S9<*YL]).:LX6LMTT^*
MTG^LRC<+NEY_H@_MN6&:Z5 (S>&RP/4V+J/%JN-
5OSZNEK_5E%"WZO/77]MI%&D4%B+,"APDW)PX M)0EF08<))3C:6[$]CLKKB$@;J
MW7&P-_6XQ6UU+Y2!"D698QIA(X'_59>2,'K[K- MJAT1VAFN^E\NE-7G4;-+A3QB
8MB#9WU3O(5:F2/4O>TM-,KV_5Y:;_?3UH M^FDF[.'+'$]3-83WMZHZ,
[H6HIND_(7'67.=_(^F3H]5(<_.17G52MF]-> M+P?S'[(X3 /!",XCK@-*
&D@28DH)BF8=13B11.2E ![)&5';D:-.=(+%3JCX:
MWIYY!!X"_71V46M'^6!P$)>I2O^V2B+/M.7ZI1+Y\3+U?$#,MM#1S\TNE]M
MG]THPSZFQ-G7T;KIL?Z'%+?] MYY>O="$_K39F:ZWF6=<_WM*L-\N7N,CS6/$"ITI)3"
*(6Z]211SCA<:;_1^,\ M(Y WP27*C!SI6VU,I&"#Q:76ZU0I=85.H'D%=+:H:YZ M:*>?QP-*
5/H'R%%@O4F72P.D#M,/ Z.6>CLOB\IXNY_^N[OA&WW2UF(OJ'SJ# MF\-*
):Q:I/IEFVHEB]NEN^^\V]FL?E^M>/+ ^6 .![95GI>9
M5$5(4F(&_M$(ZRG+,BPB%/1!80$>NT&?)6N$"7D6-^I1E>?QDCK]6NW%H*
*MU:AGC@')1D&D5B5:RC_0:DL5M:@.U'8JM[WPR7/QR[N3X0Z+*IO ==JU1O< MZ+:#]*
[LNWCM:KDJ[;9G8(V>?!XP\Q>)+-)DTTG] [#".^K@EG+7DUZ4H%R_W
M7R5_*O6=/OYS\[F<<_GFFP[&?&/+8-)_EY'#EQ8NM73C(JT"YK#9/[5755J@ M-Q5\]JPF
YCT!QZ_<,#BBB42'N 7?8FZ68
*M/_%$UU4G=Z6#KI_U=@]*5MAEONX)^P:=C)WDV!.M9/CK7W]O/I.7G)PJ\F*
MXK0)72\X\PE'2@WS6OPB-_.RVB.Z98OY?;WJJ+=C9XJJF,A(8I[F'!,>FO/Z
MW,P""WG$DS3+$P9CKQT2"?G6.9'6MGT CZNR6L;KQ7Z5H-RJY1.U5NM@-GW M(**
B33-',-%;'I,A%0X+^(4DS@+ D)S%K 41%;B$4ZG(S;K];:;I$'4,V)V*
MBQ?.,""6;W8V(E&.]G;IA./7":6=OHB-1D2-RV[B:7Q1S0GMMND&,HPC9?R=)-K?*
E2HPBQG%:&"94QF@H&V"'MDC5W2J"6C M2C3JR 8=K;/!S+*
(,X0<)8)G!%01X!6'8/%\5@AY)TU8 ADT^6N%;7.+-K:E MN&R$W*WNZ/>_S3??S"*
*!O2!\ORJK=H:?#]L99JE(.!5)CIE*0TP*GN BHPF. MHB"7E,HX9++E3KR#$),YJV3E$?*
LLBG)1_^8;K:YF=&DR'@:ASB+8ZK7-X1B MRO7Z,4Z$B)E(I1
*@,L;NS4>OL=2BJFYQ\!"3/12BB*4DR&-,0L8PB>(84T)" MG*:AC)-$QB1BD*
%0SBBX#GN:^\/"+M:Z6@@M/#52KM"G'J,<:&B/M?=&+MNY M]
<24L<=&'1/!GOC,Q5/5;M5>8]3-DB^>3 0[V0XU$QE3(1,,IZ+0(8]M)''?(J-8A!S_GF"VLEO?
*Z^_Q@Z%CO M]"T:AHXLR&D@%(E>G% K$H)^,6._Z;50;*0B(_8* M&*
<&.#"=G8+)\LU]L/,P'[OOH';#W\N]9OEZZYX6,NT[M=?0HS=F_Z?A1((-*
*MP9H0^I&OJSF)MZ6.!,]SK?Q,^R@/@RS',14%)DI0G.=*8LYE])(X$&EJ=8AV M2-#*
*(KMJ0\#6RK^J)GAHAU,JW)QSLA:O?87V" '-9=_M!Q(0VQCFQ%/;>>#+**
M0AOSNOR%5I]W/#G?SC/],%_&S/0=T94'A$>Q#A("3&3&C)%8Q,A.NA6(?*
*CVS]KBZYCUL8!I M#T>?-?#H2//Y3UY*65$/*/\H-*
*]]6PM37F]K^[HO'TD2DB2HPC6E@WIT$LR13 MF(N**(TRT(6NQ%0#*
*(D>VU$[=!*U*JC6!764N<2)[3&V=.Y1D ,ZO3_0+F!P ML+7?.Q_#H.!78E>P!>0\5X+U'>*
*=S^_*TFP 7B_IXF4]JYS\M.Q]/G?]V-EV M6:Z6*K?^5&,:204SHHP# N94R% I%.N*
MBHSLX7NR+B 8@4!K]ZJ? K"QM[GLT+V,3L0!FC&H1"!JO!Z-B -8O10B+O>[
M>,;CF]6S7%]$EK1Y=WJ-[IXDE^,B%F0Y7E,>:,'6FA%3(_CLU$%51 [#S*
*\"VA_I!H))F!0.AQ7V*J MC [H;H4]+="7<1!RGO#H RE/*
QZ=$+MDO..0[8#ICF=O]5K#'8=LZYGM.'BI M6PK8$G;H])+-EPW_'5_=+^?_EN)&:,%S-
:=;$O=KKI>!I1372]'I:="_TSH* MTU\GDY20*.-815)A(D2":9!$. TECT58Y"I7D%Y#S_J!
(C\75%+:/DU:*,) M+&WT_3CLLLE7!!D6S[?,1QU-*
*#95HJROJ*MM,ED"MNE4W14=AU&CLN?MR)#]*
MI:6^M9LT6QT)VL,D=BPQ#KGM>YTYTT4SVR?1$NZ^R5)2I;/%AHPR#%)%>9'I

*M,*O_(&&:XX(6%!=%E"01-P$WLTYK!\6-G-'6\K=CH)+*97 LTE>O M<, BW0*
*2+L,OAB$!Y*M>H7%+55V_++#DU-K0WKQT^"[3I:36%NUEH_97P3<*
MJMHFWSS1Q>+%#"W_;5V=^ZC.!YGC0K+\LEF"MP5@=QV]E-@MEC=:(:,6>E[_
M%=7G7#JJF2/\3Z5ET=$!P^&MA?'@@T5"1^1&V(AP0\1I>P(H:K)-"S<(NEL9
MCG=P/#9=$T^N/ZTVTLPI-HOGM<[EY/S9Y&_;S=&O75L:!,6B<#1\#\<&S9/<"1WJC9]?
=A]I
*MF#FN_Z"EJ/NX=OL*ZVKVV=TWNKRMZ+IU=*RZNZ3XFS2$M5)T_S+*,A#Q,"%:4"AV\0H*
Q&1) A8%F:S1UG.5^+KAI8; MNQ#V(Y@&\?I#_^UW"U9+7.O3T-)
*<(2;OY\NE22T8U9_E$OTT7R*Q6BQHN49: M4OW)OP [37\ 1&=2%)QSFN&8"*
(I)G!CN,1IBE1(5IX3G,@V:+\L[_6[^O_BK MTIIWR1=%+L7_E=\2NQ?XCZ#J>
(E!EU1IO_JQ,[:UG2?,E8>=6V7G<,1?40 MTHTV%36VFJ5-*
8^T5:NU%C<&HLA@9DY&QN=[W]]BL_0,]0E]MX#^"2=,VF\(M%I]K7?
^1=+N8A$8O5ZO9@W6);%WKN)U_S%F6"A8R'!=2)V)9$..BH!+3/ MX MS$6<4="A.%O!
(Z\@/]Q<_WSSX>;NYMU7=/WI+?IZ=_OF?_[W[8>W[[Y_<__MR,P^V_T[O_[]>;N[\X<-*
*/VXVKV-QD +]L;H=C68"E43_L<8+@TUUC]O3+_8 MU^*)L0*CAQ?&*
*[OH+AL[7S0HZ=O&#X>DTR5/.@Q#'+ LP891@2H("HD9[&EK*B;L2K2.)>1\VDAR3*!*
XY[S M>9"D4L0D4]2]T?WHSB/[;B/+GLIIW^Q^E[S(&)C[-6(\3LH]J_P%7$W[]YN,
MI.FD&5UVIM,?@/>4F)G=S:'XM]\"YJ"K,G/;3M(^NXQLC-T1*,]V=6*W+XM MI!>&?I?*
*QB0#,@QR-!S5SV%CFU+K1>^/)&C5LS.NV95A]?N*MBF:Y_5NUUM;Y M\;OOCY)75-*
+F1[=/&ZUR50;]]%2] 9"A8H(AKGIY""Q2G%>A (7]20TE6G$*
M"BO7GUKQL7/B6AO45)!-J;BN(D]5'X8^QY%KP",^G,Q3T4[,<7N M5=
(OT"K$[,]#@;T".N*1J$X--PH@OEIO@ S>_^#916\/@#A.4-TA49]U;9%H M1/L+C'8F>@IG |
(F#4)VAA^&#LNKX"O!NU+H '0M5H_0]=_QE6/WZS:B@(N\ M$Q8.+^TN,P[F=7D?
[^9%]0F<)Z'EM)EJK5?E0A6K#)[)8K9]@(]LK1OV#!?#8/[0*
*M:Q/ZO9+NZ=#*H3%.GK"]R63?_T.UN]_ZH]^]3EVBDY0>- *\^RY+/E_+:B+X M3/*
B8&E"S/BEW'1)AK@(,H55D3>Q1&GV91=DC#M)VF$;"L4J^XZ=6WN8V@D*
*M7\P!SU=M<,^<$6"G''*LQ'S>XF?'D MPY9+\:=\U-.4JD9X>*]7J=HK1AUU';8&HHH.*
(=6W9JFKSE_084$RD+S)B@6,I(
M$IJH0.7!;"DM4XE>6;#:%/C%WTA&BVI(;&EDXY7"3_H?G=X=\VZ@G#\]/-4#
MKYM@0,O9S^N4J1*D33%"=59&I%F#@A/$BR22$:!2G*5LIE^V&QEW0QU,;9-*
*MP.Y*M=]\(-?(,>%T\5_N@NXS4[$?1[J7H#1G8JVSWE:OD7J$O[7=.RZZ;ICPV*
*M1]G8Z*LYJE?6M,U1-F8?-4=97>3,+FX8G+0/O8!*'*>N';G777KS4J=-A MRM4J*
^87WT=@N QRJ?$PO[2VVV]YI,_(2XC%]V\X-:GX27-.$(J?_MRKEU.: M/@
5I@F+"F96SSK+"?(4YV$BRO@SM=?\T!TT M/WJKS)^\)V:RYA=?72X57]^M7DO/EW1Q_6
X;YH>>:9?I)(3_1Y-2(()DPDN MA)0XRY,LB@J>"V7%-G-
6PMBMC(U(5,L$D%^>A*,_Y'DQ$K@XW;?/A>7SI$*
M8L]+#7;C\K1]L##NSCY;>NDZ3UXX'4-GG]Y[I)R]'W0(&M="S,USHXLZ)#5?
*M'T(+0IC.Y/*0Q)@4*L(YE_IO 4]YQ$7 $FH=-D[+&+VQIA7:O-,!'G4&%(O@*
*M<;FIL/!Q9*5+ #EC+B"$7&ZV6Q"Q?\BP,-)O3V\@.7/I=*&D7_>]8#+PT1]@*
MOL3VS&3G=]69RED0J2B-HA#S/)6FT4)')&&F"098WE<4!H$%]+HC:#VV-G2*
*MP6'HQ4[*TZE./\0[5:@/]ZC@07IL698[(YY=WY_5=/^_*#3+0;1_Q&'7IQ7*
M^K7Y"D=\$..R!B6[D I_VUY?[-\;VAXKM>WZK?U9GG_=G.K/I?EW\MW_]J*
M7/]1BK7^L;A9OGDNQ=_;&0BVY/.]Q\YY+_Y9FH-:+[L<'8ANC;U1G..IAK'*
M:!B]]+_E_-564]/:.ABJEK$NCU*IN]A9DZ9H&,^!&"B=X5^>$MJ"M1AT7P\ MP#WR!_B
*SHW&WE7H=(3V%*R1VU_Z;TN2[&K(+NN4OCUYW+UWG26?Y'/(\5T6HDC@3Q(EFND?*
*FR)&ND>*8R?9A!4M#/2'@ MF$-VI%_I +-"E7S4*._[;.PUG/.UB?Q51(N"PC.94LVESI4[;*
*[(*KLR!9.[MU>T?RVJ3H;N;<+W^+/47:;F9\9@E,HH4EC1.,:$)P8SJB)#F$8^20 5!RJPK*
M>?9R1X\%6T7,H??5'^VF:G?C%?U$JWYRHX_E9BL478N2X#B8P:)'%ZZ[%=):
*MU'N@Z^XVIUY9HD:3<< "%!3' S SD4<9SPSW*I85:D 4Z"F&9QDJ=Q3""95I^P MD<-J-?*
*%9]*01<'3L;O\=G%H5=Y)+"@U:I8/X:FKE1KB79J7J&N=E?MB$3]3!H%_84Y*
M[YAYBHG^])HT@'J'\S#:^A< +];7M/O?2UX?JK4LP>]?-7(N9'DN=I6[K!
[F+!:QGD[>FL6)RZ;KC9Q7N>]&D3/QQQ" M@QD>J)=!W#PQ_?>)O[=>C-_,*
*(>@WQCFOEDN640+R7#!ONXH@'BC 9*M"A"V0EL +4*,7UA@(6ZN8/@:*
*MY@Z6/^U4=U=XCL:[.]_((37[K.V8K]>K\J6:)M\D\Y+K5(Q$ 2XB4>B%FU*X*
MR#!@US(0,F(\T!89V,G18P<8'8R4244D%B<1L0BO;K83G#%=,]$EW7<:5L! M>=/%-*
*KNE2M:/%Y84]5K3FP>=OG*ZU*=7\[ULI_^3KJS4;Y_JR? P1NKVJI&# M0?>\@$SVE*
MV_VR)DVMKJ3%M(V)
MOD9.]XF:=LRTA=%'HZ5MKG&BB/C'DSFN9!KEOMZ^__)^55XO;Y;:2>1Z\[FB

MR;I5MTOY<;7K0QJ++&=]J#5$NF, U4FH5__^O6O:&<6VMF%MH=+
*MM&4@WHA)OA@6!84?[W%#2Y:O*3=J$(F>>0@ZI$?[=&[4IG\2,X.I4N9\AD,*
MT],HLJ4="Y38GM #S.I:$<2VHU.;[ZM%OJ*==W->,W6U<[D3(2,1:9)(HY%*
M@$G!0YS'>8SC),LSFF<\%2"*F/.BQMX$[C^S__(HS#[!Z,_^K^ '+GP;); M;_B! /9RK.5M-*
*W8E:50PV*_295MPGO[<:>%QS#)OIBVCSO*!I&3,'#3ZB*
MOAR^8F)6Z5J+W3F2FE'D[AM=-FR;O^A;;-8WRSIT'8SRJ'YIB!L,JT-%ZC!+
*M55)H%3D6TDQU2H3"!4\$9D%(.56R"%0VR71QWY:-'*XJ@+QQY8EIM3*QUK:]8JG<'JA'?*
+P5R;;'+[?IS$$./]3B]$4J/IJ##5%DIRU_*U=.C&>BLWQ[OE[NJMNV@
MV?.W&+L=1DM&E6C4R+Y"[U>KS7(%&<_Z4;;#QNU-
*M[7XN$/=OLK0JUN*MWKQO;RO7;\F27BS6FK77^O(8-BJI))E*
*M*45UQ4P(6<09)SC322XF:<1P3H(81R+((YI%-%#VW,^.2HSLY>VH^>J,\NKA*
M02:H;J:R? %5!AG@!?MY+Q>#C#RK\7 M1;SW6]]W0%V@NMWZNX7GHO
*M>++V<5,N3'UW?:OJ]BYPKG;^#B,'\8\Z7RU-;W\EW7R]3_3YV>=L/4@,IVQ^*
*M0("%62O[1TC=AFUURMQZ;CM9XC9L6C=OL_BT6PFTV\/1,B2_S)(B#"*E9[J?*
R9"!EAQCC_4DI(_MLVS%4#_]=L<7\OGKG 3NG3@.DXJ)0 M =$Y:V[JM44481JR&.N\-
>&I5"0,^6RSVM#%5 !M9=GW2)I+D!H3)KM"YL7&
MPX+97BO9U9;0WL,.M95!GLIJIV5,6N+J-?.PW-3_80=:E\7B9BD,>\P37;2'
M9&S)74Y<.W:#U<(<#-S!'"\G+)S.NXU282QU8YYE=O,\6-^:74S>QGG^0&*
<;K^AAX;!=Q)X/8!LGN5>3$;6$W=(VFKA%;<:Y78<:C7 M3EHV I7:OIQ7HT8[:6X?
*U=GI"YP. G?7WO7:_*U,G6&!GCNV,73@ '+O+:8\B6QCR\&19*M+ M7/9L5[!L?*
7O!V#'HW2UDVW5EG8L[&0 ,%N]N/2?=1TH[[I&NIDZOCQ3?W_\\ M_*5;
(OT;+:L)9%^T,UQ_GZ]G+"I4GJD4)]1,L4U2B?. QYCI%W121&F:!: & MOD,!
*(W_W6W'(R$._&XF69S7.(F*7,%]B)\Q%0":"T^-S=GC*BH]N/VDR?,ZX*
MPQSX[.?:P=FBN%5U=YJ8-^K @&/:J,,/N+VHJJ[V3ZOEZE$:%BHS?=6\$]]]-[WRDIS?
*7@+!)7V!VAA^^QRRO9S*0"B<*Y[77]%& H<1SD5BN41 M+4!#.*VDCAP?*
MCJ8UH&N%O]/>X#6M2!EAZE=V/".%"QN> ')@2 "8+0WK@@;
*MF1/31@!@.&:0@%SLT*CQO^?WWY[G\H]WAK+FL9ROY?K#_&&^D:)EF0UDHE&6*
M."D,04R22TP)%9@+$N0\SU.>V5/.#4D;.5BTXE%'/FH4 /0D#&+6'Q2\(P$+ M!GT@N-
*"=#:(!Z-'PB8I;E\9EZ, :-6RM[6W5&+S)=,T:MO;LM6M87W3)5MPV MC/Y,%Z:9^^LW*3?*
*72[$;CK$K^:Y_?M'_>%RMZ:(Z<+S6MZB3-?.9U5*O[)ZD*
*MN*T7>:OENMHSEB30BZLXP6:9A4E&0DQI$F.:L(CFC.5A!MI%GT;MD<-MJT]S M9-*
Z4MIQVZ"=ZAK8KP!_MR0#W/> /Q7&KTYH,$A#H;
<1;Q8.BC@='2@"KRXO5\AYO#,/J!14W.U"M0ZXWC%R;
M/"K!Z=6A;\8PJUM,;Y1HRG*>8VC$,/]!4(KJ5-',@@4)T(1Z'*W6/+NX7&Q M>I'RJRR?*
*YR;2G2*J^K2J9LA+47%2K:O#K-W?FQF1GU:;O\O-%\E7]\OYOZ78 MW:F^Z)"X:L9XF)-*
*<4*Q$3#!))<%4)!*S4/)0ZHBEXAB2?[Z:)2.GI+\NRZTJ M^\1\1EE8D'N]IVT7-*
O\4SQ!8R#Q%E]AM/]B:LV51W&Z-U,I=50_:S'E#+W# M=D9=H>L',]S%7_1^=?*
*P]O0]>SXY)WS"O_K@.WUFOK] E)9"RBN!"*D,>OX'@14K5!V04^$L-4K.Y5RN!;BQ*
*[#I*4B]]GLJ7:A?Q347G6+=G*[/SK](IR+2*X= AQ!&*
*M18&3.&!QD.:,.M4USLF;)E:TTMM#V72#N'X1_AN6;47S(,&\S**
<^(F7@<9;^QQY,H!S[O%B#, MG>9UJ'E3%5KOY9+/Y?
*IZ*7YYHM6T@N[H19*H,)9%CD.:99@PJG3Z9G:]1);2 M*%*)C'-(^@83/W(>UU&F*
H>0.&3AA0W8 X#C>-=W,)/._)"V7S9T5 =ON8#<=*
MST^VX^0ZBES5NP6HH\A5Y3;_9S5?;M!O&G9SDO3]JGRH"Y1CM.BY >3)@X#" M)_4@-
*V ./C>&0XO[3T=X:&_L'O\AX#*XK[\WQV.OUX;?O/Q[^6XI;M6[?VU>KO_0,G\I*
MEQMQLZQ^LWZ_$+^M-\M[_?(6Z[>E_LMS*?Y>PCB,_$@;.6)\+N>K$OU=TA)I
M#;LGN?5JOBF"-9[3SEW3OG.]?$&=*S??Z,9O&8\]W=EO@?)$+4\S\3,O-R]O5
YTO9XP7C!&281+DIFF8Q69VIMD' MRW.62Y85202IH1R+&#GN-@)1)1']7LL$-
O>>P,5N<7>9M; HU1IJUF>?5LNR
M8[>I=@Q:#EZ8G3?.T^+KA(!)%UCG#3Q<1/5\\H+AN>O;I\UZHY^G?A',BCQ1
*MO$@27&1!H1TQ9;B(2:Z],9J)#2+ D9Q4P'*DPHC;#^?XZ)F1:>I3)+(]D I_GK+#YPC6O?*
M//PKUE'DG1Y>_*!; MB+KFW/2BK3_3%Y/#FJ(1Y^63%.T*
*"OW6>5,WKL[R+,F",&!899)BPF6"619) M'*6,L(1$621 601*
*]MB%H$83]%BK4KU^::T,DC6M!G [!@*LG2N/!!>P+-0B M];F#5*,'ZBARA1I5_(4 !_L]!0>*
*(Y$G#A@,DAP'%Y18.9>/[^\V[LC3]@M ^_NR:@-!6N1J*5=/ZX.!ZOU=NT,V6]1[G-*
*M),&>S#QK**
MQ>=O.GY_>JJ^,F$09JF(.0Z"G)L^=X99'N28ADD4ZV4TC8+0)DRB/$)=:!XL.
*,L/:7/@I[WJKZL?J_JO^S>JR=O-HGK])G1 MNDWO9R[*0NN3*F^E.7VLO5'*

NQZ8U0SO5G++7\UB!(UT>-/=,$CU\G;?>O]UAM1NALZ"YJL9SU(>TJ]:I
M4@J]*.ZLAO7O=,+4_!Z,3K!2VEA/S:[L]@,\"UC0.]T# MNM,9=95NF"10JW95S^NHB1K-
K[H_'+4MU">XX_6/>M'RM1M-?4)MT9'J59PC M8WW+F-UP9:]G"55AG%&"54@D)E'
<%ZP"$)&UL+"V%87>#9D(YY_9X8OROFC^T_+,G_.O"-B^;,?=&R MX-
^D>%I(TP9U\JQIU:LZ"WE"*94I%CRCF(2"8QID.0Y2JE0ZVR;2^.C#MI_\X-
6[4W6AB.DVM?Q@L;?_
MY>F6KU_Z:_IA.K_XL%K>W\GRP4P8G'$1!6$:""PE"S!1),4TRQ.QTJH^^S=?RO0HMK&)
[-=EQ2VKZ:+X+J^7K%0<'GNOT]4)_3^N'*"$V MYNSW"59?"F,2,C;]F*5%N^?P
U8;!Q3_TQ8@[1[(F#5)2PUV)]C/!S?
5*CZ@"?)9DD/)0"!Y'DF"2,X#Q)UR:'Z6+0#'P[.LK_0V.Z MU;ZAC_,-76P):X3082
NE)D78/BR5(Q9)@I,DYQ& M29K+(H?2G5J*'CE O/EFV)?
7IM:QV^ZH!P=4*4=GG_F_+AXB< Y=N[@Q#F:P M^'%NE,_6ND:34>A^X_",-
U+@G.#7GBHP (C%8(&A.S@F'U(OR*2X?9;EITI+KL5\H1OY=:5:2HA2OM9KK8,\(
370>7C>S+G]_=HKH_XJ*#7(>V]CORA6;" MG-7-0E#WZAE;G!I5#^\U64_J&2.Z[:?
G/N)XKOJ >N_-:KF>BV::V%U)EVLE M2^VB]19J6_J^6:^?JGJ#^4NUAY\%L>1Q'..LD
DFA7Z_YI1*K'^<)1EG 54% MZ,RU'[U&=MRF)V!>B35G9/=J?P7L8='D
M!$_HGHZHH^15V]2RW:"[:9Z67HJUJGH_.T7.U\'PSUI->VA<;]0'ATH]WS[MR[;
[.HKL"US7$F_+5F!]NNA6U?6:^KMD:/O=O>'=B-
!$XR7E3XFY#:3#)RKM)X>$6Q7;CK@'7?<]J+O MF1"K7W^MEE?-L<)JFH3G@K!?
S#SOCEVHU*OL?/D!\MRNEJ>[._3K5>7O^C;' ME>\NJ]HL3E.2*DHP55ELI=3S 1+
<)R)C*L@22-JU>D+$SMV%YZ!U;![F5Z& M:DQ&/0W&"YJ"?P>*^)"<*P$PML?"'\
<#S65GJXEE)S>U3*]!A_!Q%*P ?72C M8.;6,N^%+.8I6$>,<,!$>OX&F4A+@07.Y&,4%
(5G$K>/KH+B1XZJ1 MC^9;!:[08ZV"B;./6@FSG?5/K08@/ PC:!%"O>(""YT5)#
<=2!KIZ%8A(U__M#OV/;T@ D=(K-&X1\F*
(8('1VN+>@#A\E^D"H;5%>P'0_JI+9KU^U5^&:@"S M806I&HB_S]>S+
(RC7,@IT>FJB78!87$59A2FF4QEF46AWXL) U=BI9C];<
MBD:M;/2[D0X\)]:'F=VRV1,2T/RPM5X'^@:15O(5^KFATAT Q'&^:*^I7J>* MGI;T"K-
$>TT^/4&T_Y(+R+*/IDYW9J[__++[2#.2O9K7T,R2_JT>3KT4YOP M-],\5^9'':KB_??
==!:KZ6G\LYE[-J7*'& MPBM4VUCM$[56FDJ)^?$>>?
@5:FU%C;&HM195YGIF%W_UQ^:3ROSUC)F>-_W5 M']Q)DO;7U\KM/?P+G2_-
A/#;Y5=J#GG?;K[)LCX0,OI&UTL*D;3
M*_3APQO8&ZH/.;O7AR1AHQGF.01PWE<$)RD/(_SA(H@!$U?.9(P MLEO6\E E$#[9?
A\+.Q^\R$*8^W6-&Z$S_JPE'D?,[]]_\BGR)\T[-2C^] ?A M'>P?):W\U11#+;O7.Y>,["R-),MS;
(?F]+O'!9; G*(1XJU2>T9QIT[T]GTF MZT(_H7RW_W4KQUWB+N3"[T.]^OKE[>_U%5F?;
MS2&C&!@1<%!*T:0R1/D4RR!M]KM!#K5'5 M3]ZJA&J=4+E3"KA]"D*[WSE'Q]
AK7RSA:]1!KTY =^7:> #;D:/!:/;WG0? M?K[.[%QD^N F-
>BFT^Y9N]A[M(7M=),+2#Z.6X:JF>2G*XBS5'&I6$:P##C3
MZW.5FLFQ%$=AG*HTI_J)68UX<5=AY'!=*819M7_.V(=^#]@R%IN[XR*E\.6
MS+II!;RJ1]E?G=Z V16>KQ!5^K&8R4U*SCDI)@6O 0)R*."I9)%C'8L?_MK<>.+490
MNR%-ZUD5V\UHIWG,X)WA*79I1]D;'6V?\K7V#(?W[WSLI54W8L,;@>QP([ ] MP-
'VTZVKTO_=-[ILM@BWDXUNEAL= -9S7CE_=T!XDA$1,!'C0!0Z6> BPWG$
M$ARFM,@$%5&@K)9U/X(Q8_>S=+L.Z'9HU+Q5!ST;?
1PBQ&L]>T!,^A,\48%FORO;Z5^UM^_ZOQXE0/7BZ#KI\VW56E(/&E%,R74P'X[N[G"Z77S:
[1%POKGE\Z_FCED M>2HS)0,:0V2DP=@&L,Y'L%-^(7M'H95'G M!Y=.)[.$W7*Q.B*8P
6F=QPO&&&4& \/[4#-+|:\TW@P&SOE!9\#[>-T/K%.H M3_*/ZE?
K&6=29BQ(<)P&$2:!"##+A< IR42<2B$9B6]^':"(?[DU(Y_ED9%
M+W$>G]ABSO5O=&Y9%>F:T3'M#_0%Z\T%7%26V 8W&Y-579?_VJ>F>IT'<-$V[06P
E\0%B0M
M6HWZ$[XG.%C;/>ZNZZ'0'V&G]0P0EKNKYZYV:=&KSMC0Q2_EZNFQJ:_=JN,A M,
[,HY#S@.<>I7 K_RAJ_SA2 MP;Z4TU3>#:>K:#2[Y# 6#-_^>.(?+KT;[_!#GKQZS!)_*
(_N%G?+.NP/PN)S)G,
M"4ZBD&*2DQCK%#O!84CR*,F9*@IXPXLW]49.#BMA[08$6C6\#^YIGM]']CF M?A7
)]^XWFY-USJ;I5.;>'ZJ$_9=YY_/Q',4A'\0/H0#Y?Y4_:G@?7-5W!& M"BQZ"SF?
O5MNYIN7=P^RO-=IMWY-_+'Y9E2BRY=90%C!51!A&88"DTP*G*>Q
MPC*.8T$+J8K$:NT](&?D>%I+1JUH5,M&C7"[8#J$5']4]&@_++PYFFX=C"'P-
MZ]F(T7>H XK^RRZ.#-UWDH!@:5SKV;8?
=TNPMH/'/IA!9%\,%S%2H1!B%4349&Q.E$NW2I,_%$U02 MR51:@&:8>M)K[&;#
[02^A5'S"I5&4;Q2^&DMZX&&5SK?ZG#@J59?M&7F^'VG

M,GJWU$ES/5\!N%7CZT':Y6&O\'A@$6KW9#[43^9+^V2TEC4'RA7:8R?
9A8^;Z]0ZG1E,^^2+Z@#W529R3/LB2.$A6F M.(F#').$<%P45.$XY3PKBE $Q&JLR5D)
(X=0(Q*5.YEMU%Q*R-G3D]!85 0O M-1@6E"I;.^+J.'2IF8"*WJ7F.A^5A9@-
J]+UF=1;D3MYX735MSZ]]RIMO1^\ MH*JV-GS.[U?E'?W^M_GFV[?
5PK3TZA^<.5;)\RQ,6*&P7J"9,RBQP(60!$>\ MD%F6IT%()&#_XA)=IMG.V T!
[VZGUMVIFQ4RJJS5RY:'8$._HS]VRE]:68,^ M'D#];
RT+ZZ2G3SAVO0"5UK*A:AVEK36J*,VNF6+^7W_R6*W(I@C3#Y+75 5
MIB]H.8)TLFSE>B_7XM0;_1TKZ>)F*>3W_YO,Y5)!%9CEE>!)C$E&*6! %.
M%:4JYC)0@8*5I0XD3%.0:H2B2BK28J&EJ$-<;(M0%UCK5'ZR-]2A\'3&F M*
M3H=WG+C8=,:@XS+3N0\ZK%@Z;4:WRB0R;^6S7*P>371_8[J,9B*-&0F#! =F
M,BX)9(*+.,^P(-P4AV7,(P+MBAB4.DW^T.T:U0G$@\F"Q4Z3NLT*D/P/@VFQ
MX/&#C=M(VGT\JE5!1SIZXQT/P,K(*RYNRZ3+\(&MFJS-[5U"#=]ENO64M45[
MBRO[JQP9N.52ZEAZO137PBP4#*'H9OXLFU,2#0=FED%98('LK*K96G17YEN=,X-
Y^X/!F[(\QVGG2,[J MSOGU2TJR+=NZ,&A*F7V H)>O[73ZO/FNO-
"V>+U]*0KUIZHQX4'^OOM1"?0?RY2' DM.41:P M#.%09HC$,4=!$/DY28,D2T W;J:$)_8;
[8Z< R.V74LC*C3,F4R@&&">I$LG M"Z_AHFE)\C0C7L7))-U)9L([TH:(?
M&W4AFRNCO0C)\W\Z%_"3+4LKJGNJ# M+'FQ>CXVZ*4DS1-
")$IB/U&A!O911DF,9,ISC&/*(P&:C35 :V)'45->[.]W M6]3M>AV'M&;F*!SI N8;KE
#V!D8".C(_H"T^_D<#P6H!(F&D0\,DWA2:@7F(!HG6;61O+9]+R @CNO.C1D#4 MT0D<
5K SE=\WO"BSA34__R\4?N##@[+>_JJ4P;ZLH'SXD6*5G/UDC(_27F0 MHS3V!
<*4YXBD"4$X4IY#DE3(##3=TXZ-B;W(G@7ON>:ANC"C-1>>K.]<# L&
MKE2WF8^97HDPA[/GQ_MAS]&?=!?Q0:WW+;4V?+7A%-PYI^L4X\A363(QJ]NZ
M3E'G/NS*U>!)CJJ1^.'I\?]L?_MY\[RZW91"_3LT/SF\RM0^1Q/W'E9/%329 M8L'[^
M)!3G3# *LE,SLA,;[MF0!!7W%_6XGJJ72FS7:UJ4QT%?5XU)Z-6LF8&[UQ?,
MXB_&)B@6U.^L;FD7]>@:C1=4MU!--4)A3.Y)1BGT$GW#D0ICBA@>K3#ZMF4=
MT';S^""+IVH8:EUGM$Q%RFC$&!*"^P@'F"&",4&Q3W @8BQ3F5AT<7:0,OKM
M7]UDH8LM_OU0"?=$=R_%\.'56%-F?L!6<+M:'T4,:6J>)G(IT@S52D;D?
<9_%/.:@,>X#Q";>TZNQXZL#^87'Z;-7Z$%KSP<6@$/&
MAS0W;+6N]0$SWTH5GUNJ4+0]3=R[GT(5P/'JCE1B"?!ZC6K@\]0-9!T=GSZT
MQKS3T@VDN1B.;O*.A6/[16Y6VT)[RI^V=-,TY6!"0Q5CQ$C*($88YQ01@2D*
M<)A2)H(\QD:HJ[T4)G9AMY_^[&EBU5BB3Y(5+[1X]=2O(EUXA:QO\M51Q?2*
MLU]1!L[K6O%A'JNFYE4A1Z6!T;XD0TD!ONE:B>T<$EQRF!<:DFK0]72^.)^_M&>+
[Q,D,/FAWGCGU6Y\WRI1EN?M:3:@\O>E8QB*(BX)$I%4 53@2Y0)'B). M12;"7/"
(@P8FFY.>.YRBF\T+5;IJV("=>P :-3L.3:.G*\.L/1M50*'_]>): MU-VQ":X 1ZD0?
W>6H.H;]@7--P%S D!*FN+PTE=3N_G)T]?FN,$T%/;G% M-'[)+BSXJKQ!L>*
])IG:1)AAF(:1'R6(BYBJ"""2ZM 1JU@@C]7FCWV1YJ (MH)/*Q+;\]9>;?
9T3;%_O5DG..?.YGZ*(AGH"42(1C95*6)++C A",X)A=>E7 M*\6J(OU(M;[\
<*$;L_#F:GEA;NQ[=;#;+%=QKH[O:EW&V?U(^0!GDHTC!! 8MSA)- ($(3 M7/5JBS
EL23F:5]#HA.[L(8+;T_N4$4$Z P!Z= @AS*!9F!VO5?*G@-/_V"]
M/0\5BNA!81.H")!\F4!5=OD8)RJ#I6B L@]F;4S7FB^1 Y3N)+<#?=<6H/.7
M;W*]WH]"$5P$.(T(XCP-$)99B@B/ B0B/R$LQ5QB(^?8O?S$;K!!K*PHVDZ(
M.='&L)N[7D:80P.)9P'&V27%%4B<)\O-#,/9);H5<1E&<\P!CI
Y+!&$<^/J@E.G:3S^/PBCV,PRSJT%Z\QC: M"0O-H
]='M4PXFE.H/8WK$93@W2F'"L+O4HO%H9K).T5ECR_LRF;23LI:V;
MO6:%OEMU>^BIQ]OUBJ]D^=-J(S_OY%.YY %E22(B% 6BNI,-D I8?!3D099E
M88)Y$AH?-08(39WM/%#V]J2]7S5QKZ(.N:<"G%3%)\WXF&U6QLE9"_?
MFMC'5#3,KT[.)!J_)[$7!N8L'@I:#W'
MV5*S775TB]"^U^AYPO820TCYI)LR3TO#/^BO(S="[=A$XB!2ZDETB(YEB%$6
MY#X2N=3PT23SF5&<;DQQ8K.J*[7)*=[F?9B/ M+8O=LDI@RJ)JBOA"G^3-
[ZMRF0HN0TYCY),<*U\J4T0"QI"4BC,_#!A-C3"K M^@A,[#/;)#U-
T_M54S6,7GJU,NP87<@*U M,9O@B_Y+]=[5YOU&9>74-CD28TS@G*8LR5 MN:
<18M*/D* T2I3=QY(9]5J>+SSUYJHOIS4MX,W\B>S#UGJ-1, MU$P8T'5Z
M%^=6]^8G"\UV0=[%?OLFO//O+5%/CA%L@]1PP\JJ-FTI6)2E69CKT[PV#JFV
M0:)QVG$<)T%"_3@&]03TDYK:7!K@C]:Y_=^!B"?]6C+;]-S(#C.L%LW6]+,]
M79>#CD:%%3Q,?OK7-8R&KBXKF#.G+)$U9S%$>)Q1AF>2(
M96FB(O(HX+G/(F8V<=&,W-1W=P?ZWIX![\ !'"!1D3&T&%P9.E0%S*X-ZL$-) M&5,
("#+%H6)L\5-L?BA0#!5#,4< 5<96F1-
=Q5"B,Z@5T[WI>Q4#WBD'EG#2XUHT"Z^%&RNM6$G,)G"8([0E<3P*Z

%6%5@&Q.9;;:9+#@ M[;)E^,N60/9-
=_##]H;_|V552$5&O/#=ZGL]9]9&*;EGAW>B1F,_%]ED6N]>%]ZP> MVRT\]?*
[Z>8_<)KR5BJLWCZMJ"M-QF"80UWY4T6:!A1OEV:'9[[OZ=UNO(>X= MJ=?
S,QU6.1M+Z@J_?I3>O-#UIN)?H-8;OVCG,B[N1G]_5%N^+9!]SZI MMN MQ"Y2;].;."!T;Z?
BT#LNAD/N+X9S'H4XE(C+G"#LLP!1II%]F)2"IE&>)2## M[B(RL4&?=;9?,]<15+E_K:C
+-=9_[[[|OPA>2:9Q?@61?A#0@[/671R&UY- M9OR1EE)H?#ZY:N3< M4YQ""BLF]\UAQ-*
;?T/6DT>ZU<#7:LAK"9SR MZO[S& 8 ;ZET8-2@^4 5(UZ;V38RD,=>O?9S#<=>Q?
+":YA>>"VV%U[-N,.0 M8RJ=NHI3G/,W;W
SE7HO(J+)"+D8)%7CB&0!XY@3AF(14CTE0H_/E9>|8I)U2U-FMG]]_#!S M/9]G_?
%WOGZI"HKFFFQ]>4$PZU;1-YLOO6EH$,CKCN>MNB-Z&C%N'G:%KO5 MOZH_?*
S[4OM0YT(N1@WXFB0AYKHY$NJJX0BV@L419S,(TE#SS$V;<.7$E,Q,[M@0-JCCKV7-0$
=H(KE7YL)^86Y$P;]+=ZM7FK1H%N=?M_C8#,@[2O<(!71TS
*M*MZNYV.&#P!K$'&DL<'VD6MIS-=/W]0_;[[+@C[*/ZNE=Q_H3GZBJ^*O=/TBOV[7*
MZT_;0J^Z3&2"5Q=1,<&)?B83)Q3?_N//GHZL13XYXU=">SLE]3%9 M>1!|X>U%]TY^;-*
[9[VR:B]3W^6'?.B|Y1RQ#A1!TF<"<02DB"1)R'&J4|3!JH8'R(V_1E1D?84;5/0 M62,-
F>U&KN2&;0U'D:<;X V1T)&/'"0UJ\,R$?K<>QB]8V?'VFQ66T>RWM9 M5*
*[H4(1%I,11)C&*4PVBP3...:! *%+-<4N8K8Z:@3&|?H7E, ^(=U5>3|K (4*
M]>]/V^;JV_OARU:%'\&?@%A>O5HS,VT7NH"9]9ZBITC68=TD@=:88(ZLN9?,
MK)8\)NRY%8|^;VG!581P^ 4&+V.ORB(&3:;H5$M#H@DS".I
Q]EAAA/G7M:ZQ>B#S%=\I4TL8%A'N".8SVUE:,L8PSE&1%$9CXC.7 N*
*MU!C)B0]]!GAPNK+/)3Z,$ M9Q[]9*J R]E/QF]:MD5K!)>[O!XH54,%^;[/4YF%*),)KOL@J6*
*!8B2*N)1Y MEN-&Y"?%DT:1U#OZWU:[;[//TYO#T7WF^*#6_/AW=H_(;N MT"9*-*
*=VD':L*ND\#M#1!PP=(?&<[MPG-F3=O@!HN]V_(R[9^I(H'[O7HEX>"*
M;DI%I(@W8_8SGE(SKH^_R3ZL-W? 571^@'Z#P(4YH3??; M;[-734\Y,MA_AY9U/9Q8-*
*([*43ZPQ,2;K:)45)&W5Q'4_LT<=7Q(\F&_Y%!H MF*?9(XJWBA$77FN82(<^=*
(?)BPLX,D.AK5#$A]:=#3?<0+@V4KC)XW!S_/C/ MW>O-
;X4H;\0_RB;7:VB&':_.4P)2%;^J'Y_XQTNYJ_R2N1%VR3MN?%>"C.Z M7BD=9JQ'A+*
(RJJ[U9C.F 6':1C3TF&5<^EP-,-L_J1/L&>%UKHF4WO#K\I%
MWLM"0_4N6<@I27R!F\!P@*JD898C/PT28,LEWX81)"S)Y2!B6WTT#=$FU8.*
MT;#@%7J?0-YVSZ^WU@P#ZTG ZC:,^"=4(C"X/ZBG8J6C-V;/CJ?Y67@-1PZC M>$M=N
K8H>3GCUICS)=&;X%0W]5.4Y1E'G.0R8322 M<91#T'U[Z(!\CBW.[YEC::%V7.-*
BH/-6'6C@2H+F4'AT^-H+49&:I#H2'6>H9\M7"4S2='9<-I9H$ .M(Y0U!
ML"Y$'0;"NGSB!/=6!?TC04 M<:9V5S^1%&&2I2A+,4%41+G(9$:"E$,V6W/2$^^_BA&/:
*[SKYX85W2">[]GP MZ($/F'D#5&MF\=,H#.8$M*XJ;/#[E]Y^T(PHE_@G[\"+=S.N-;!S@"O*
D;\ M$)[5A< 5!2;>ZA5)J6CJW_.1K'FV MKE_N\9R=$Y%AMEV1]#IE=IH6'Q7-
**G_7O^IL6;Q1P=JYO/&'+6']99%OBR=E MOK+JQ=RGB5DJ,I^'.9(D31#& B/&U$8>\2@-*
B8@$28.E.L"SK3&V?S0 : M>G"]8FSF'ARI-
GW0?]FLH!.#^E1D%JX!SFLBYD=GG+8"B5JUD(/53F'8

YB&K4))5!Q.(L0BPF<(1YBB3(4%93G 09'Z> M$!"@]B6)B8VS)NCM*=H-*
Y+S4BYE97BE5&H8\,RPD0I M+\,H"K, 866/B.0^1Y133 @C(0>.%MX7TQ8
*.Q4"P'2G5*4=>NX$*H6AY=JJ9! >%[SH M?'BXMO*> .!:+V)Y3;/2.9^-T("[RL-5U'4R:!GS-*
&4B$XC34'EVO*Y$S&B MF/M!0@3W96 Q&+F/GI$Y7#T2^3@PK?;D8L^-)R1?
4_T7RLNK?TCY5%4"/I^^ M +S;Z=.MX>7.-:JRN]W94]0EV=6&5Q%=5-
*E>A_<[(X*YNN#I(S/O#<^(L!=7 M/&//P^QGC,A6.!P[T/(T,3-*
*+O)1^V/2ND@F8:#43Q]BX>ED?2*2J=VI#4G\XVL_E2K,8 M3*\ >POI?*
*P!N$A\W.W5<^BH?5[H;0&VD]$DN?>PS2D."?#\($4X#91EIGJ!4 MB" *8LEBL[FG?00F-*
I":I'>DZ6FBYH;2J9-Q>[E64IC9 (4$F<^0)%96U+G@ M;,8T)$[;I@:?
L[CH$_]XV'[9;N[E]HO<:CSH3YMC0Z;I9=_0(E-O-(=R=7W" M5TR@^X]WWA?
U_R=@\I^VV]UFNP-TSPQK9MC2G"H%N%/!].$83=E8<+L+P\&5 MY[LT-!'PY.+0Z
7+MG,=\/@_2A!"&!$\EPC$5B @J4219$ L_]I/ :.+0 (VI
*M;]DJHMZ1*B!!W*,4@TSZ]:+"S/A"RG&[-187D/6^7FR[W+;Y1X:EK(?E&4Q, M]*
[PZ7_IYF/>3)//(H[85_T=/I?Z\EDU+?GM^VY)%4M T]A%E/D4X2SDB/HY1 M0OV4D$1F H-
@Z4R(3NQPVBPL=!- :SJAV+-4H5I0S@L)[^8Q4JQA3MFQNH#Y MY1--?
3C139L#EZT$YO(ZZRLP(#ESDX&Y$BX[#@#O6E8%7\YR M4$7[X^L<&W
*MQKG1"HCY..H-6!?<(;E!&N!ZH8$)@*HFN'.>G<-BX'Z)[$N!.]:*4!@PSAL)*
(0[_GS$^L%+^\T4=T3Y^/P&B\V.2 M"Q&$B/DR09BD#+&01BC)&",L97DB02#U?82FSA
>R'HU7>OY3+V:,DP.I ? MF NT$1V>_AN1RU76KX_,O,F^$6$OQ>NRI5M=*

<'I+GU<[NE[]2VIX MO&>Z$BJ KP:MUD/4CV,7CV/6TH0GH9^B*$Y2%1-
$&:*I)$B&/L81BVB<@L;! M7,G/Y"?
XILBK8D^7.QT8U"62%8N+ZI1:#X&NV3R9(&KI,J[]3J:G_MFT#TT(
MS!XBZ2!$W4YRR=I6_Z>[EUVY4[]MW6&]!Z'\O-*
D5JTVYXG4R($!9T',4!SC"*DS6H1HQGWU M/RG/,&%+[S5GKCW?*
*3!+\+5XU::Q%U#7K>C_K)XZ"KEH0;\>Y'25 MU7HWW\I5H_J7J8*D[6SYO M6I-*
*PED3&:1C)'!%=;H!Q3!&5B40LH7E.$TYB!AME 2 ^\<94T]?YQ[KASZ-**
*MVTWKH'KE6S71!=H.:*5DP[UE(M4!MP-:3\5HND^.2FS:^YN>-J6W%CL.G;:%*
M$ESY60CI>5VCA5(NO)G-&M43KA :FB?0L(-[>9MD@9-& M54.1')_ESZF\R1F]1]2^LW??
X_;PH,>#^K$*W@^$+R>(!&2#.%(SZ%.N4 9 M#YF0@NCZ^*?K;C=R^E.MF-*
*LQYNJ^]B_SD\@,X/*81#62J"\,CM;WX$(!=@ ML%TN]N; :[WRF0"N],J\15=]#YDO\K?J;\JE]*
(,P\W., A['"%-!4!:$*0K2 MD& L?)&%! ;0;407\LNW@NON]:FKC??\PM8K?@#)[$'-
M&C4']5V$F4DB8,(M^7&>:2BL#&69"C<3PK(H#SDGL0"#';C4M13MT_?
^OGF^W0BX3IL+N MB&J\X]1'.)8IHKD4!:Y4.XZ#FAH5(XV3&9BO]S@)#:4%UY-*
VU/$/4T=B@K9 MJ:AA/^M.?)@_M97< BIR2+ K ",[EYT9-G)
(M$OPR,&G[<[+#^JUN[Q5Z5K-
M.@DC'/@^2Q&C>OYD2#DB^GR<$4'BG',1$E#Y5B>5B4WS=KM6+&SUS-WO\J3"
MO<)!:?U[W?2T^T8WWNE+-I-CNA5J=AZ[6DTP$YY>0^"SV: &')W%NFG,>O8:
M%//\K#7\L,U]MW(?NVHEC8-1_3X-@6 Z7IW8BEL4O0]2+?"TVC27V.H__[LY
M$$R7U,-6Z4!@F#T.R^K,UD;DLKR3OUQOQBOX7F%.;]S['[/;/%LV6:H8^LMV
*M0X__I55DO4?\4SMGQ#(:([=@?3_ !LNJ$S, M]C.8;<83*G?*
^;=I90=J5VG&TA4.IS[JY6ZKF?-NW709^2&]&XKX&(7M8[=9R
*MF88TR5E"$$YT]T9.E,>*HPQ%:<)IZ(LPQD87-EV+3^R$*AHZ2QJ$/[*
*_[<D!VAL;J4"^"CF<>%< MS60>H#3O<.9QD2^F-!N\8FO0ARF!-89,&B1!Q'F**$Y3A*F?*
(1;C .5<"!HI MHXXS$)KK.8')3?=8LO3ONLRV1O#1H>5_|_^G[P?>L]K.*KB$A1?
*X_L*O__^ MK_"R^[8M:@ QG"R2.%SX25 =2*-TD9)@X6=X__"JJA.I <:P>C"*%B2(ZX>C*
*M19"&"Q)E^X>W1\P,C^Y4B/N\J\XW__V_!HG_OR)_X>F?;/7R!\FKO_*BH/JO MT<)3*V@*
*#G7F71O&_+U?V-3KV'\WJ*MICPIMZJ/J$AR7?J9;'&?.Y6SYF3U**
*MMW"7;J3GN>L!HC]OE+'*6-=:DC+;]Y^7K[6^GEV\++&USDM6;O"HCH 86: M&;![-*
<',^@P@>L_" 7=+F?R!BVG0H<>EG@ <>H#HFV%#CRMB"!K:X&V+.L@?
*M7\K51I9Z3#%K;H/:H-/MN1%GXR(^;WBA^5**
*[9/7/91+P3&8I04&:,8OHI$AT@N4MF]@/;?%W>1O$H.D9JW"2*G0SUL)F/,X$*
MB".>T#SAR.=ACG @!()HRB0"?BN(O>?S>K6A89:;3U MKW*W*JK?*
*VQ'N;*E<6A*E<8P2S"*$(TX1#<(Y3Y-:99C/^;Q\KEJS/IE1XN= MF8?KI0**
WEO>X1W6WA,/JXV&YU.T'U0%0U@J5"O,GG(_# E M"4KB$68"(S4OH%1R(.8Y*
DA7.)&F1\W8G95[FDZ4J14T9QS%9KY>2=@;GP M6A='FBW,0(<546-*
RN:I]ZJ4S;Y73F+@7]4RC+UBD1VX__7F]971]6TBQVOUT MWU3XL9!+&F<9"G% $,
[U(%P29HCX093$B8P8-1KH,$!CZ@N:3UY-U:O)+KR? M[B$CI[OU8I!?N%Y:X+5&AZ!60[:
[)88,V;Y:(,=Q+MJ,S(-TT27Z#& 7)V3?#=Y%ES(@D!>=
M[UM6FM#RV\U&Z'_HGNSO=%V=)7>WM"A>%=6Z.('B2,28,WW6DP@GE""6J5 G
MR:,,AT$:Q;")5494IPYY%'%@S8:1KLSPA"(&BZJ14 O.XU%ZJD>)WNB$ E+PRQ&
(==I#!8GB 4L M0IP'E(E04@Z<%FQ^8\3C5PQ"Q2-*O#L/X9& !.U]T?K_W>5.5T]_6!?*
*2MJOIE%G&2YU&$_*1"69..D@!=:5,KK&&D MW23CSIN A7?D3! %+??-H^?-*
Y%2'=Y7I6HM@\JDCJ M+YOOY4Y_.?N]>:W0I1_+C8[\7ES7Q1_+_8=W(9P%=8$)G8@?*
*Y>T0!K]'^D_M>;??]&6R-I1/=%74,7XUQT'Y[%TSPJ'T_ERH**<>QW>O''OAZ7=+*
[^&;.A\H M%]^>N5H=))24U51/W_34 M6F4!]%%6/VR-*
BZ)__77BA+.41WXKTE]AJ1Z^"D!@L[QC .,S;OZC.Z2@>]
M#Z'FS36]#YG[$EGOBSO;LO7O*R$WHKPOFL&^57[NGJ[4T>_5ANQ%%QPC#E%
M(>8APA1SE"6$HB@2,??35"8YZ IOE.+$@8\FA%8;I$EYHF%&MR_^(HN5++T;
M[\!8W<0,K4$?4ZC97N143;!MXD!Z<:X]1]:VG-91VXHK+-2\3%Z,U>#&XI_*
M6?!M^J==_@B=_J^\+[8:CKBQ]>_*%>F3H5.^E*'3(UA$&57CLT47!&>4)D M@ (-*
DHYQ@!&CE"(14I&1A&4Y-AH!9_"#-?_^P9Q]26;#O$JCW)@!>8R++1L
MYD.FU1W,J2A>ZIJ!/3\;K\7XN_%>6(,EJ.W77^.%+T.8 R3P;-J<]GAR.'&>I7 M/ CZM=EN9
*/LI73;1NV"Q6A=NC8+PJ]4(,PS79S7)L+?&A#*49C416'6.&A MQ/-*
9^A12Z3>/1Y5!=ES0.AIRAI^V<\'N,N;8(JN[[=UV=3'WW=R4Z[86KU5 MJN-8Z)-
*>Z#ZBQ=,39UZ=,!SVM=XU7MJY]> M%_N"J(5WG&*A'$N^Y]=[;ACV?*
CVR[&F>@6@$SKZAF9]YBR\#[7JI87[J\U'0/46O(KE0A[IM MZ;0:=$@R9Z6?G41FKO,
<$O2RJ'/PZ9F+E9I+N=9Q_>MVO?ZT+?1?+D/I1RG- M"9(XIPAC7R

62Q\Q%N=1Y/LI8<$LQ4>#;$[L(KZ\5/C&:L=NN&@G-VI$9)WA M^/B[+/BJ-
*!]7//&WF[@JQ-D7F;W*XU#'TR2)E[H%Q +F)$I6!I0.(P%**
<62>5B4V^HN&D8K=;1Y'RA#+- M$J3T%"CGR# B89"@#$<1Y5F2$R:7ZE@XM88.R-I
O+X]1>^'M3K!_>FH'0]Y
M;&+=F7G$JW\U,%]X4(BB5X>""Z\BZ<[;#4KDR,]UTYC5PPV>>[;AA^VO0?< M<\-*
#W45U@G6PFKXMLM2B:;7?0Y5 [W\:VNDC431GLGC\A+04%1G
*M5X)C]&:^(#04__*ZT/1%%Y>'>YC?91)B/XDI1UG(-7)L&"!"PQA)%HC43WW!*
M2&I_%;@G,]O%WMF@GNWIC1^P!+-
*'938W;S:*N/(>;4]RJCNPO@))3>.>%%)HE]#"0%G&- P3'J9(YDF,,.81RJC:N(,@YB2+*
M)8ZR'(R?UDUK8L,] (?IV4/%BNM"M\J$:<..+I1C^VD?],B7!=1:CS+-K-F1 MBF
F76EG3[7>OV\,5& 'I#8LG$OXM!Y\X.F#8O<"94V\HH%"/00,N/M=O-= M&96B<)>?*
EA,M21CZ:1Y(%&8!19A'U&1)TC@@*0XI:F/C4:#7,'#Q+ZA%S3M MY5G]D1_8JJ#@3\L#*
N79P MV),I&0:=?9UZ!J&U+9>>#WK[.ME/H+FO7 K>KW(C_O&PO9=;?3GV:?,@?]_] MN-
:68=B.TO/ZQ(Y:47TI=]5-\5 M'IL$-\"^!:8V04W7>U@]Z?WFYR_WG[WCU"> V?
6;V!X+B0'FMZ T%.8VYB$ M=@;7N^I\)CU#Q5XU\<9?_*
MI9352)Z;7%G+#5>AVDLUS6RH!B'FQ]8K%.=0AV98CU"F&0!XJF>("S3@"6@
*M)O3I69[8:^P%6'C/6H0J$2/W0ASPI^F1U=.IP[KQ*HP7 4ZJ-_];0!8AB18Z*
ME_,L=1>O7/3L>U>)03:YDB) MX55RJ'>T)%Y+E--
YNN>U,4ZOCV;2O+O[IZD9GOL":Z8/T'$#-A=EBSS=P[=B M^_+X[?
_2S0LM7M7/(&EZU9.<)V&=H"'K-70]31B0[^G5C4&:S(7$, ?9):S-T+9>J0%Y+!?*
*2VV6J0)\;_6] SMJTL+P[[D2ME@'@0@ MEK'E# @P%*FHUU1BOJW8X32M>*
(L1C0@RMYTAAZQ.T"V(X3[8K7AJV>Z/M1L MY!EA64($RN,L03C",1@J($>][\R]\5$1A(Z
*M.J,-TYKU>&4D]OG)R.PEVT*CY]6.KC_^_BPWHH:7_;RIT##$CR^[+]O=W^5.*
M0TFU/I:78,6G]DJ&,SYS"%YF!^HN' :[/@[7GPV,O.4UQXKW)7
M0<.ZK%2"2>ZL;,F0[,PU3#!E7!8T =^WN%![?-S=;\K-C?A'^]/?9WV^%A449EWK]% =)?
TX9JWU)#0WU=JD[S=EH9^8% 5!G=K#K0 O%HS M5H!C7,
(Q4>WNV/H6G>^*;42LDQNVL6??VUB>5D_V&3#]5ZD/=NJ_WVXW%93K
M"UT_R.))'2+B/ Q3F2>Y.H\EL8"9&)T2;,1K%GBM=(KEGRU-*
DGJIFQE<]\>O=C&NQ^>F8Q4COBN?I'/5\PUM. M?G47PUL.HGLMV;U^'> "3+E-*
WUK)%)9/MC()!,^5GGF^MR#9/6 QQ4H+]] MDC]MR_+F.UVM-?*
C2P[;5;/AMNU;KE76K>I!D+(EXB$C.),)2$I0)=?S/HS!6 M&WF>QQ($6
>D/_%V6K.RAP"@NUVQ4@=8S9&>RM[N/&B86M38 .!Q#B"=F^UR M$VH2M@_IWNN]
(G^J%'G@1FNQW6I\T)C8 %+7;@;X "B/O?T!AO5=(QNL%K&*
M8KBR\K$WE;];O^H4Q%]KK_FSI+JX$UR6:[C MUO(NKQS,CZ^W:UJ6#]KS+"G#Q
]3BH(X4(%)2HE&V.0HDW'B)VF4!R$,9K.? MUL2^84]9%]76/63JT%915S]T31\(,SZD-
*<,#M!M= (^S]7R"6O"#*L8T #](MCLOFZE@W0&G>0]:XR!='"H-*
7[&QZC\B]DF6#R;T,U3%"I#)&+) IPC%.$95! MBGS*8C_(!6:)O]QM=W1M9LJ7)$
6?"!D7D^G7]F/$3A,%@"/?>M0C9F]7B

ZLLU\21T;906!66^P7\-P$!YZ$!]5_+7>;QP^[SI%$-QNU?1\G M$\%NZ<
+3[R9_E66%1#.V2SI_FE<^FK_K_68K;/!7.9Q.%R[XQ'YI(J%F;Q# MG3J^,K16DE4
#ZD8+M\([79S@Z7!6;:(P]^]3?AWMVXCSOD)]TE<(5:.9*
MI;E1$33I56NGHEHI8$_7TX0=ULZ-"N>]6JZ?T+SU<:,"7U3$C;_QWHIOJG"K
M_+RID6F6A$@>"Y\@COT88<8YHKI?&1Y%#,>9H3Z[Z.NYI3QB5W0/BC5%3#U M/-*
*!W4P)S]@$-DW/O\+, ,WVS%:[4$NE#2"W3'Z$>I?LKO/M2DS.V_Y-4D71_ MC/D*1'KH6\)*
*JW/XS7J]K4IY:P+[/O8XR05.$D2(P A'N8_T_0KR*<](+H2? M<2-$R5%*4Y='*KKH0+CQ*
T#@YUXEF;EG)Z+#_&FGU XS+<:BN8![J4S+Q+T MF+@78-"C+]C9[5>Y;_2\R[]L=*
[)4+J2ZS<-^2@,_PB@+L#HF4AWQQ9RAP"=" M1KHMBZ2PSM8^4D8_7O=-
*K1H]K]3_!3XAL%=I9F9\E2*LK/A(41\)*YK>_8CD M8!,>$\N1!?>2F=6 QX0]M]_1Y^W,]|*
<&PUS%!FRUJ4#KY)O'S>K?TGQ62AZ MJWREZ=19I3W.M#J%MJZ U-^I"$$T-*
T&MO_C0P(]^K3,LRUCDD4^X0#FG%22- M0"2A&%&L=G$9</J.J0$)(!6SOG_;!F M?
NO=?BZ8,]R+X;7D6'A'2;RV$T:_@B7KS-I+:Z]1I[#?;5W1LF+*
^.^E3:6OW+=M,4NRQI$,99H,Z+:J,) M$$Y8@+)4ABC)F$@%CL(XB4
GQUY24Q\=J_31<3NPKN(94%; PBA)@A1%09(C MG!&E+$X(XE1B'J0<^R2
W'0Z4I;M[>=V!I49'KJ=)XZJZD/]E)CF0='KI' M17-*
*UZNXG-.^Q>U3@BW/W^!OPBJE/BO_M1FJ?K([UKQ]>Y,/VKZOMNO+4=_G_*
MV3[)V^W+9E>_D1_NWG:F19,0=>=V.TU['A[?CSQ4G7M'%C20;)FRFNX\A1; M"PT
*^V**A&*ES6&[GUJ1,$\PC0Y!A5"VRK"J@P(3FZT,RE8-[2HHZS5LJT"> MGE8UN(:*

[72WYVKS#=<^;%E(D4@61"B./$CA,,L15F0ZE@KC&402!+X E8& MTDMK\CJ0*
*^7J=,;;M+T?=+;%2X'WLD.:,PL;'.D#YBW.57%"UF7)QZALSFH^ M^BG-7/0Q*O)EUE?*
7]E3"/D.9KOPY-J%WL/U'/*7D0+*
*MR9UW*4)X>*/^10LU]7/KYLF[_&]4[SZ[NZ*:8O'Q=UGP507]JJ>] M-W]9-*
G];!LL@"&,>!1&2N4\0%OH2CU/=\!P2(?)(^#&H,>*BXF]V)Z\]ZSI M:U_V6\-*
!5:\IMNLU+4KO619U[2;TB&"E>,/#P]3J!!XK]GW3#4WU ZVG^RR
M@Y+O]TK>\W5XR.7!XQJ]N#J26/$P[V'E&C5='&.N6LQB(LZ]DF=5EMOB51_= M?
*VPJY+CD@248"RA"BWE@G,;$[.M*L"G"\'P$C M8;I5,NQ+W @*7GZ<[%]>?[II]OF-Q3Z*
N=9)E&611G"J:"()'&&$Y9 M3(($R]BHBZ67PM2IE(JD5]%<>(HJ9*I4ET(,/,BU8@)S*>*
<26@W0ZA(5,CSK M2I$M!V?!10>.SQH0:WAT5M>+,X[-&N#[=&36T(-VIZOCY-^[O-
U_T9SB=&-? M>=%^41{1T;"?2./Y=#1?
MP0Y6U^K<[(@UHR9A+K"S,ZV56G8+4.=8'8[.6-=R,^MIRY'JSL]=KI:%.3XA
M5\N/F]UJ]WHC1%K"-4?[XJ'{6^;)694XBR(4("I;@*F*2(992C+HSB*, VI*
M,$H:#="8.B544?4:L@M/$]9Y"DW:S$D-Z6?8\3B2&N9,K 0V=AX&(@W<2JFW
M:U^@_G!T 4-KSF+6!D+M3=7DT>OOILX+=Z4P-NM4LO'/9'D(>8I$2A@,E2F*
*M*V)$\TB9;D8YIKD*1)B__"X+MK6YMW+ (<0$VGQ:W6GIN6=K[{Z9Q]6D+G5W*
M':]O;'=;;_?-N/3?_K;+Q9>%WX/-_+6 T<_)U>-%2X8>#6'V59H;-6^2:&DB M=4YP[>:"NS>
[D'.HVJ&K.I=D+(^9DNV.G?HWOZ_*91!P+/),H#0+5;"%"449 M9Q2)1$18QKF?
*1J"QB)XJ:6$N"R@H_&C6 M*XNKT]8E@7D/4+T"7IR) ^I^\&@6\$V>CRF@T>!DW?+?*
*ZOFIN[8\;,!,AI6&0 M(S_!RE#ST$=91*MN>1+&N: TL@4+MV1IZBS/R],3+5[U#MW*
0>S9L,82M]4] M-/B90Z-.LSV+1L6+@XYGBFNNU91[G'-
;AMX#OU*!0Z@IE^[LB6B:GT^DJ*; M?C7NM93+F&(>)#)'3&K859JK/[$\0]R/&)8YSZ,*
*PTZ:9H0G/T#6?8G5P";$ M*GOE;7PQ6;,!Q&LUTZF9FW.O)\>N[..(BN"*
(L"")72'&FA&=%U$6I(@+Q%G8 MVU< ,G^5.W6@JB",V'KU6"U?
PX]]WO!"CZ'_(.M_+H,PQH0% 0JEB)0?B0,5 M4448Y2SAE/-
,DXA8160_L0Q5#T=OMQW\Y5\^RRK3,9N]:1["2I86[ZF3Q;W M9U!-&WJ7Z?0'IILH
*FAZM#'L*1[("O<&%F#850SWR FJ& MKI?;KFH(\)EAU4+# @W6"_6\.E_%T##O)S5#*
*(X\Z&(2[S-,HQ"S-$0BB&-,$P@RR\GJ("\"!V/1\U=7[4&V5TRG7<8YCX0D*IH+=.M<*
*M0I@Z),84Q6%,9813%L5LN9&[J=1PP)#(@8 MSJ4(@H1*F5@//9YX3]&*T JX1GZS:--*
*:*MCNT3%>^&Q.\SUU"[G3*=@4LX+? M_NMB2VEHR?\WR&-[R<"#IO,=;+![*6K*
MU=W5=5>_'):=[2=+S=C2WB7":2][YQ.V^,T5"-\GQ8-&F"@HW_UMM?MV^U+N
ME$5RM[6+Q4U=:12_R<>Z.]+D60)#?6M,I,:*LY/$>,111P3$L>4!DD.*DJV*
MX&%B\QM#VW2F2K/=;&(%P6RX8<;3/UMOSX[WF^+'VS.T\ XL>7N>/,642ZQH
M:XTX@Y&&+FNRSHHSSI/EWR M3)TKU
$+I2G6M8UAA)A(0Y3PV)>!C.,$AF0U(^\3N\&&'^^Q-:;HVK;W.;^L
*MF7=]I]_+_O*L;VY1.3*XJ'JD*
*M,O5F4&$*MQ$"K=":NA5DYJFO%AOF4^$2VR$H]TGD$CSY@L;\N,E]8G9")O<^*
M#$_WW']_/BO[,\SX7+PXL84IO^5]+_6>FV^+)ZHTZQV;^!;>@_F@H6ZQQ_-
M5TD,,ZX.8:>H3!R4RBHQ=+G:;+FA7D':Z:'^ARRNMUU.@CA"G]5EM^6>13R@$?
Z8B=.$ XD1R15_^KS1+ $TU3X1CBE,_,]>29J3\SCBMKB M.-(<#T]XU<<]C'O^-O O-
=$,X".XC3OZ#4//P MTOO\ZH!"A_?Y]>V)]['? MKP!6HS'_MQBL^YB1G?EJ2>;7\4E]RAN0?*
V^CZ#]MBURN%)>'8>99$N.4A!0% M(:YJ@T.4T0RC.(DS,+$ER+>SR9]>]#Z2]$@-6KG*
*EB[-\.9_C@/K+SQK(MC/NZ*HCSE",TARG&M_RC?U5$: M?^9O-5D:?*
*R2+7XO3:B@NO3J1M5,2'7/\QY_#(8*XOOD//WE<5W M_TG 6?*
*P)6+AN+'(5#I6KBDU=245DGH@PX,CG6"(L,H((IP&*N RS)!!9EA"; M*
*<9G=";.*1R.+2VR5O *?6HR<]@.A+<\M /DMIZKVR.5XPFXYU3>9%9MCZA]*
M4V7['H=G]C_^<_=Z\ULARAOQC_+C[WS]^%>Z_OI<[)0?T"@#Q:MV-.5N\\#6
M34N&8>H?OO+$-MOLZI4[5#]@\8^7LKX=T6VQ^UHKQ>.+'O6G9XC7&_M)# &
*M0+#0[O@-P[2*A?D#2YUJ:*]+O3I$V[U.3U:7&A;D9KOUL%=%^UKDBE7@CNG#*
*M=R'*NT*%*<7'8O-8WHN[S8&!+SO]WW\KO^9KKJD_[-::M(IA;K\7XN\%S%,Y*
*M(#6QZ_JP^KX20C+3;*N$IU=ED)3YG0J2ENMKOZP=]TA=%7F:\E*
M;XRO1E$X,;]\JR_IOTN=4_V[I(6YAW/QF<9=WLQ?".8#Y_XXCMVD0]U:^4T7 M]&=SI
Z5U?:L+I>U!1O^M%K++R^50?I",DEXA+) XVE%"4.4Q1(Q(67 4D"*
*MQ*C6JFOQJ8.\&FU7T_-J@E!0X98>AAW3M=(!(RUSP2S @R\EN (UN+78S'#! MEV)*
(!90B',4,$BPSEDN=Q&.5!*D&EBZ:$)Z^K MJ-@ MJ(::\TL S%+F"&:=#,,]' *CL*
*[3MO!'L&U09P 8=%Z#^'YH*B4^K MDM.U#N4^J?]2+E,1^0)'.BZB$<(2()]0TL!!9$& ?*
#]F.0N%+V,0S%D/G8E-\$"O M!H65175X!&[.?2HRVXL=" ZSPP8WXBCZKWN:#G?
9$:D<;:I]5&;=0T=$/=\R MQQZ_F84H#.,XD0D/<SZLUB_JL6/7S6?

E'BTFJV+S#5^M5[2I9G ?0[A5 MF.0PQ%3LT8H;A5Y'M X7MU=_!,N4Y9RDLD,Q8P(%?*
\D&%'!5!#D8YKCE$2A M,#JD#%)YR_CGX;?M]?%/>$7\ Y+>8?PS)+B3^">
<)/X)WS[^"2'Q3WAE_',Z M]^8+?9(?
*MD]TM5ER*D@2^RFB69@BG(@,T220*,\XB5*9^!DQPBD>(S1U"N]T MA-*
+"TY2]7VO:5\V,:NG++QPH0%@0L]. ^"OG2%U*-LDTJ1:9-YPI=2GL\&2I MCN?A142?*
%._;C=01GMK27S]OA%[6M"ZH^^V)[5"3,"^_Z1%PV,[
MMR>H\>V$+IQYH6MO4&90,,:L^"]UWS8-%;-LU7,]O#W\>W@/DH!YUCA]ZPC^U/>9"@
*M+H5VW"0VJ99=]H1-P^C\+6"3*KRSXVM:BA:@-L>;6?VIFSI>1N-,BM!'>4+5*
M28@QC@C.2V%B-]R^S==$ 4 AG?H8]I1.I 0&86<"VLQI MZ904
%YRK<1V,"/&GQ:&_C$DS"!.1^>+\R%J#/%]@GTQ^* EO&-=F[!Y_$D/
*MCCI+N7Z5^L2W_\L'63P%RRC)!%L/[(E"E)$14)1F@0Q2;(XBD-0@@7*P-R7*
*M0\6>!6]=#5#32%4>\K9[MNO_#*SL &O=+,R;4I#M'MBIG_ > MAA# X#"4EIIPA5*
*))3\O>*6EZF7\VN5J M:8$97:B@5@6:G<)<59YYNN+LQ9F= G659G8_:)EB>F'E2JQH\?*
*H+K:9KZP'/ M%0I"+%,_)3%#(L,C7 MD6$^QH7DP'0*1&AXZF-,*
(%>9BUXZ\R8>QL2]R!N,OF!GK)]6&XU\5>VQ>WR[
*MU]L:TVXIB4CBG*4HUOCL6'",6$0H(B*/229%&G$0N,L0L?]X\KVXWI2C$IS5]-*
+TN[7Y[8C.MB'H/],KQZ6YY\VO4'L&'S=-*
S#!C'!+7^U73=H0,"R8U45JSY*S7:0.B]2^2!UY MTA(03=GJ5Q4L-*
RG3($]I&O@"T22F"&.?(I:JK9+& 6&,)AI'61RB\Q+(,K(+/3Q>?%+^L4[*VK/NI]X9R_&6[*
M^2[+G10-_(.@H8I:=3L@392)4A$C0C.&4I'Z/@MC2CE>/E<'X5]VM#
$Q^;C:5'E61M=5Z/@.(7(OOW4N0QXEB,7J"V/ M8L1(G",68%^& 8TDX_^ WTX5*
*MI4"J_8C&A",-Z?>LM8H##^\9F,*YB9V[?@!0\1?]Y MSK8]%+2:UEX4/ZTV=?*
NG0;:P_^7I[+:AZ35$3X=9_ZH9\"H.'.4-QT6TRAT.
M+#M;_G!!I6QBC[^K;;8O78_OQH7T_]J,T\$..4A%AA&6,59A]30? M^\UCGB>8!#
HHUY:$V<8#Y1;\UM-6O/!*C/;JATI FJZ=CJP@#@:ENW6N\#$%MJ&T%"$BRJ@
M]Q3Y[49N7\JS(/%I^V)Z8SZLE?%=UHE"8);J4A>@[7945JO=MG_5V3;;4<':
M>^WXPQ8CS^7VAN]>Z'K]JD'<@4;9_?;$%GG_\<[;4ZV1YZ^RP1X-C!O@]<+#
*MK.\ZN6%ST =%LQN&WKWD?!/1!T4Z&8L^_.1U<\)<3%=M*F#:?\&Y_OBE.A?J M-*
*99A*D.!$Q41!V&,)KG1O ;\+]U*4T#37ON29735>F MG!%:F^F^Y)WS),X3!#/J4*
*XU%T".8T12T),&&69R$'@+P8TISY^ MU1P<0J5JD]U6-1--QX!'*W9@,92),DD6YG[*?*
*91*090RLQPQD6'=,R1'V3)BU5U+[KD-. !XPQA MHH_"5')$ ^DC&L5,R$2HH[" .6 8 Q-*
[XW,>P(X"J$Y3KS&=DF NY)S\H@J> M:-$T$[5F^7J_WF_7*_[J33+$RE8CSIP,D/S,'L=..9?
NQW(=V\EXY:Y8Z9&F MM[3\IKR=_H>NPOM.U[KNX(N2OMEL@R3B(I("I2D-ZPYOBM6?
*TEB2+!/JKV!A MH#GIR?W/GA&/*Q86WG]]>42[(3\\ KV,.Q/!1T4Z[J7)">)[_TPX!EF' D*
M?!&I6";-4:;.D(BF<1A'C&1Y9CRKMH_(Q[B@%5RI.O5A.&P+!?Z&78*KJ2&*
MF;^%P%;P+'T27870_*T2VM#YC::V, MKT>>]VSO?,W93:]'J"
[+ZWO4=BI,DR:H5UMM'O7/!^)>31TZ&J9'6>/6Z$H%,).T
ME=YB/LRP:%>,B.E9>.8I,]OR[HZN-%!]IH?N@RP;O($K2@, M4\]DG0
:8E@F9X?/3B(S'S2'!+T\5 X^;5'/N2EUKJO\Y3N_+7?-S\ZTFK/C
*MW:DO$Z4*VW7QXB$]5WJ_R.+[BDOO=EM"RCB[!!^V-Q/!JM%X[_*_E'5!S@U7!*A./-3%;*
2J>>E)4B0+)21C!(>&P6LUAQ,;+E'(.IUC9A'CVQX MM,4' '3?2M'#-CZ+^F!.X
*+"NV((;7.D6*IOMJM:Q(,V;V;4)F#$P=1:M1N! M,*
(UV8?,2KM',X#P%JX7GF[=PC=PG\QBN6LC"P_^XQW+Z6;WW+0J4YJ,FA/!Q
*M$$<^SA'QXPAAGS-$99*C+ I)E/HR98E1XGV$SL3>^D#8JRA[4;#0 T(B@#L9*
MT)&!"W8C.N&B#GFW@]?G\U[@,)U[MX";Q$KEW>YIL7NM;C8HKVI[?GQM_TT-'1\F.*
*<99A'@82H1C*35V#D4)%1%. MF&")F7N"DYX\ 5-OSQ4]*RQY@!9-\S)3Z ::JVDB[(W0A0-*
%2TNZP<4U_#Q< M9&>I'&/",Z=WH JY3/F
5[#S(F=S8VK0K[N\0I$I6[W$/])RQ9>A2!,B"5.> M@V$]6@[(B.*.*
*(YXXN<^D9D/<20@ZE-'/YJ&/7063)&8$9[2*$3%EX%3?NO+J5$APY=ACM67V[E5K.W;O=*
(O!$_R^[M_[@O^%WQ4!8?R]WJJ3H,_"QWW[9"%S!7]Q8IJ=8X(SWC[RZ_5S^3;[24#?
9FSD,1A5@B7U.L* :XB$)44B#)$]DFI+$*
M%XS(3;U)6!#S'L>1LB$*\D@,>50=*!YZ[EA=\W!EFF40L"'V$<10@*@A&(L=AD$5!*
(A/S.>]]9:.6RJZ'MMNJEM/ M8^2I$=V8."X7$@-=5BWL@:8ZF&BY(8A;*
(W)#?)0+^2V]DY4>@$YI3+QA=]3[
M]HR.:$R"4Q9#)@/&NIH2GAB!]5F0Z<7A&0[3S3$JS1R]5]69?E2S3?A
MFC]8GL98Q68IFBD4!_-SYSK[H#7T>:^ABI%'U64M'G\^+V"'7MKCI"<\H!&."8IIE"*
C#;P\F>E]LGV6Q>[U7'W^GGM =S<_ZU[,B)!8 M"H%2F84("Y$@DD^%M)'!< M]CQ?*
TBSN>G??!^:U)T(/7[Q2I9%]>1!G/<)$3JJ_7<(#=K/\Q\6$G3T,TP) M!3I.W'8N"R]T4>X'6?*

_S\Z9&W[;KM4:93V#[NMVO?ZT+?1THF644"RY.D?[M69[HMGD?J;,T16D8,3\A"*
*]0+3NIG'GU"7,-\]@1HMIL-8*W="\79*A,&!6J7(@P_:)'3NMUN5 RA XU]XSH/>(1PHOXG*
M2Y,0R422.,RS+$[-[^HNEI_8N+Y=?A^Z8?S-U& 0:+J*K%@IM0B9=/, M("-*
UE9AVJ2B0N+!T5\T@WFHR[?F2T#U>I_R@+Y7^_&Y>UZ6\J'[<^;*
*MYY5.G'_>B"_TR6B*S-@:$YN_)@$8 # D[/B>ZDI.X(551=6KR.K ^6'U)/6@*
M@)^_W']N354L%YYB9?5])5[HVAO4"VQL@('0=E,$AA:>;ZB @7@G,P9,GG_[MS._EL)
K7L9"!R' >>ZGE#M]1S'B/@^02)G(?%UEPCE[V=X5,7SQ![D[@20 M?WTD_I[&1-
4?;_Y4KX-/\BX2O9TCH2I1WF>2=T3O[S#%V\?Q'S;!._()YIWT
M=$K:%G[QTVHMB_TY9QAAH0>NY)F/LD1$+.$Y"XC1%6#/^E,G M56JXP8KD(><
*A5@\5W4@)C"E I+0 D:Q4XXKT!-/UYL9-+%3F$NLQ.[' M+-(H]XJ'55FJ5;YL=_*F.6H3[,=!*
*(CB*LCA4X96DB'*>(NVR>I(5NKTNB?MO5(DP_;)[I2OR"6A7[. MF-*
J9HTSY$S]!))$IBN,DEH'@41Y"+UC[J4U_G:IH>P?BWIZZ]VM-'WYM.J Y ML[.2,WW /-
*!1!]O<:_2RIZT;PM=5+?*H6FRN0EVD?)=0ZKQLR:KQ88>E%35@;<$/1^W9-T:+&#*
*(CFRU&X:LUKH MH)CGECG\,/P*Y';[BUQ+/?*
*SG9TEU*AUR]]'Y\L1&5DVYV[QZ>\I>0WHXZV\H M]_@UR-*
4B0\W,1EK0'<>@1%:7&]TKSG:K,2A0^SIC^,$^6VIK_2?UI__]7_;_ M1?
T/HZ7\W__E_P%02P,$% @ IC5G64X5V%MZI@ @ND' !4 !A9&5S
*M+3(P,C0P.3,P7W!R92YX;6SLO5F36TF.+OC>OR*GYG50Z?O2UMW7E%)FF6:4*
MDD:IZKIW7FB^P"5V,T@UR5"F^MS'[[B/OX#[R__XMW_ZIW_Y MWP#^YT\?
*WOSP:I':SW"^_N'E$L,:\P^_3]>??UA_QA_^L5C^Y_1K^.']+*S+ M8GD&\&^;7WNY^/)M.?*
WT>?V#8$)=?.SBI\M_5DIFJ00#H;0#A25","9#IH_S M*)2R$O^/3_\^]_W/ST\J.KZ7T?I,?
R'__GKV]^2Y_Q+,!TOEJ'>:HO6$W_>;7YYIM% M"NN-U+]+UP\/?J+^"RX^!O5;P
5(_M<_5ODO__9//_RP%<=R,<,/6'ZH?__]
MP^L;KPSY:R4MX]ET55&P6BUFYY6PU5_3XNS'^BL_OEP01-Z'3Y6!S0/7W[[@ MO_YE-
3W[,KO\WNV2+=^-"L:F&QO/C-68@XVWQWDG$ZV3SY15RMER&M M)\P)KK-
CD)E$4(8A1,D2)"%4)&1PYM5-851&5L3)1FDK3'_]M/CZ(SWXQRJ@
*M^L5&4ALIW7G=5EJ'T7VQ2C_29R>!T4*2+@*7W-("\),*#.XKL MZV^[2?*
*5U+;]8IA\6RXQ+,C,7KPO+=$?C-P&^^\2/7*2'@3I\W26+WZ[+!=G*
M+72U7C20W%8M1.Y??B"N"RZ7F-]LM?(@ R352_JT7[X4#T3\.CI%G)Y!XC\OI
*M(O\\SZ]HPY[8XE6QV0)G)8/RR4*TRD 46D=%$LE9-@'$C=?N!0?9/QP.EV4G*
M8/BX#//5M I^!^ALHPQ9%H@D % A&?!,T#]M$,F29U4,:[,[W'KS7I!0_4/B M(F.C(J?*
Y^OI^MLOTQF^/3^+N)QH48K2G -JGT!9HF Q,2!QD.>C4@%NE7+.:
(X6&P#C42+VPHGM'2?MY-P%;#Z&/UYG$M^T3+<9 MC9TE1,."=.0JHPJ!]L&8@/SC
L8GVB)%H%4A&@#F@=?O!177.U1:R+8+D+S(MF52PVOWU9CI'/E%"Q
M,NT4&&+"R$DR3CNP)E*0;16#$!U]A8@\HC6"M_!"[WGU?NDK]OR0\32A]H2,
*ME_3EN^7'Q>_SB;8B:6D*V$+4*Q0:G"9P"_3$FA2&6=L.%U]'$L*&;>Z_(4U9@@C*
CC.=!XMN9)77$_;9^\^+^45NSEFA? A$<;0D@"05.)/(EF&2)B:3 M6#9'J?WV&_=3?
T9QECH_6!>&FS^_=3\,=)R!/%J4780#+\^755S;L]D*:=+! M^6I"NY5@/@?0/$N"=+(4X-*
0SVR2\T@Q9X:%!0'#_V_>#1O?YQP:B[0(BK^?T M-
*!+']"N^""NNP8VN"Q0HAM0>;"Z.]CKZ*KNA-G6KA.BCGCZN4>>SM^]5/=9^(*
M;"#:+B!2#_B7+\,:/RV6WR8HM52A(-#^%T!QY8$$H<$76T1.Q:$]KJCNGI?N
M!XCN?:,O[VW+Q^_KSR\79ES#_-BD!2Q0F >-) M@8K"DEES"(;)XJ3,@2?=_WOGP_7'2?
9CQ>L%W@X[?/.)M=4,^TQ[JKU7BY M9DE1051UW\/L#.-8G&@!B^OOW\-'>
*<=OGTENJW?G MZWH/J$;6Q(W)*6(X[@ E;DD![E(@K1602O/E&YQ(O$8#?*
N!I./L9&,Q]P$: MDMPRS%[/,_[Q?^&W2;;68-+UHEL]K)<^U(R;
^ME"59Z9IKX&+=>NQ\T.LY< M'B_,L<^KMJ'2+]-5"K/_A6%Y<>G
*930V!@VE!E"*9X1@C0&3N8B:)8_QN,S% M0V_>#Q,=)S6;B'1D6+PXPWFNUPY^F85/$T'*
U4D;\$%5ZQ8%>%T4<(^.-LCH M0C@NL7GC=?L!H..,YN'"Z^3VSA5T?
Z'OK"9<2"O([0&EF"%[1BP$45-M7-)/ M>'9)'G>@^<"+]T-
"QPG,%@+M"A/;BVD73+"D$O? G,\$;-KJO":<6\<56F6D MB,?
*5U3[XZOVN^76!;;6X%7F+3,!6\DT-9"F&10AV]B*L!RP= M!8#%T-KH &*
(O4]HW+U2EA:@+@6"M(SPD&6] MNYOUHS7C!UFE1^@9IZ/<(!J)OL.[*
*M]6>*4J_+:"*0I5*$ YU"+9=B%ES@%@H6*;Q+*5O?&"Y[D#5.=Y;A4-1:$QV MZR;QUH?*
*((W+(*BN**2('CUC !U'/QQ&9:0VCIP.F^5GB@-O3P=(]'!J+=9@U M@<8') E,TQKS_6[;V\4*
*[3C+5@J1;88D$\E(% 3G'8/HA5%%,?OX.?0AN-F? MNAY\GB8!V4 *Z< *O5\NON!R_>W]+-*
*#*F^?*U)>: *&OMQD0?(-AA1]J"]AW MY>]D?*M87Q0B@5S \[/S6UI/B_-*
_^<1"V]4J+>,I%D MERV+$"(Y@SDZ&UBFG\GV.^307/7@IC6!=F<
*Z&!)7',MKJWKD@OZ7"P$\B9H M7=L$@=$*S[9(G3$9&QYK:G$(BN\EI*

?/K@GPCA=S!UC9TC_A,E!,RR74(C?R M+P0# A]J5M7"=M M\ .70534@>6YQM?
MN*DV]I#,(B1MR8;R5#8W,NB/R%UP5H='+\L>";:N#F6& MT?[#$#M&%1V
ZB*I^SY\]QG=ZLBEM#PG.NZP.&&195=, !%KC09R#TZ0[#*: ME&0NBK<_]=N?
O&Y@=Q0B'LBYMU9/!\A[NUCC!5\7+/""@H7DH3C#R1?TM>69 M)19\X=YEX4ISA-
U#QKC[XT!(.E;<'2!F$S_<_RLK+:Z<"BU;$Q5/S(:5B 5 M$I;BDK/0NH+E
5+&S1$,A)P68N\ /?=P@"9*53P%&[Q*11D/OG8"CT+Q:&+T M%)H,[C:-
&]X/A)DCA=U#H+>8?_J(R[/K=G-29''TL@BE]NY5J>:UC.<00K9:
M%VE2\Z._^^CH9H,:T,,^5OP=6)S;AO/ZF4%DWDHFH&BM0#E=EP4S@-9:Y+2\
M/'OLDEB++>N)"<93[%K#P:F1*CH U34F)EH@QA Y*;NV^D1GR7^3"6SRB(DQ M)5CK
N5KK^]FXSI)G\D87>P?]5+MM/UV:;F;UZKZVO#'YRGRHK)P60*" %= MS"02[R
@V_1Q<#'H:/RC-Q(/*L%\F)QQ,]HGP5$K971@?QZ1D+7%"_2I5G@E M\O!X
&>+!!NYR)I6C9>MST2.3'(WOP]]4E0U4D4'H'I_\=X-2]O*Y,*+CK5Q MM0J8:N-2#T$4
4$J';E/@?'6.>U[R!C[* M#SAP5[.?=0V%VO"8V^#K33>K;.NRJ-LTC'VN-
@A6CA)T!T#YN,2P.E]^VW"P M96;+AW ^9YL+V" X*,XXQ"
(HMF09M77(@WQLCN(A@'F(EG$#L(& TT3P3P>0 MWP)HCI]JD=+'=@=E.6^.J,/L?
9CFU_.7X9)"QM([!'B!EW'AL(!2U$'L'5N@#KL-TCOGGL)R3Z[^Z44=7IFFZGAB5
MN1$Y0-*B-NKE"8+!",20(E=0H!V@KO=[5(T;FPV$J<;*Z !>=P4U8<'ZS)0F
M5R[P.NI8@B]9 3ER.J"(,N;'6IZV"<;&#<(&@L^1PNX@-_2]Z'12:!>.MM3;
M%X*BTE(8>!\M24LEJXQ-U@R86+R7IG$FB8Z5;3Q>+LK.)TZ:')0@HYBRJ379%D*V
40(6!03+HC6!^.G
MZ'QRZ,V'_2X]..Y=XL538%S;DZEZ!3I;$E^6163!@O:M=]Q!&1H[]=48IZVN
MP;0'0P<.Y,V,(%FA=\N- O(F9'^/RTVCU@D3.GOE.+ @,\E[,U8J"MK=DA") MQ7K1?]"
<[$.4C9UZ&QRKS=73'>BVK8!?G*_+Y;3_\8\$<5*RT2!HC3YZ"Q4 M'UU[$-XDJ;ER"EO?
OWJK<^)$A61]0H1B/07WGF>(MDG@BBYT3%XD;-4 #AP>H&3MK-P*H#E!#IX"ZWK@\
<.V#R19$,;7'?:TC*H(B M/\&U%#RYD%K7KG^'I+&3=R- ZU"%=("O:P=M#V[PQLB4A77
3?2@ZC3X:#@" MLQX%MSFIW-K_VH.LL;-\ ^.LM6(.QMI77,9%>
[3=V>EK&:WDP=;1\N1&)L7!
M*QU!..5DJ7.#96O'ZQ%RQDW\G1)=1RFB+PMV8Z//0B941M'BJ%=X-5GCF)($
M874D+@2SJ7G'Q_M)V0M+S?OACX>E Q30(XYNSH=1/BBI@7,KM_-A@N,6+%-1
M%:F+T8]UT&\"IJ?Z6,W[ZH^'J$-5T0&L[BE(V?(TR>BSLS) $G+C*7IP)GM
MD[0)'$LQK8_>'R1FOZQK\X[\)T-4&RT\\X;]EU)>+#U;)M88+147(7*EA94Y,-
'Z?/XV#>.>#K70^=VR MH".DW,'^MJ/_%Q)6O6%26?C'=/WYY?EJ3;):DLAFYW7?
KL=8]%_^&/Z8H! 8 M-<^0$HK:MEF!-Q(A!E62L=P)T[K(_@ RQ\7:
<;BX'V2#*:D#'+YTA8OO09:L4[[%((HK4WRP]2,>V;8 M%%6-1-X->';"N90-1\6Y=$1_"#6
K;.<(FHP*$--MC&?6^]W]Q(R+F2&V/2. MEW<'H/D-9[,Z@AKGY&C.:BE&/IO.IY69]?
0K[GJ(3YA1/NF@P&I3;ZXX!\[E M #+%I+.TR>G6>:C]*!MW?VL
@=L5LNWUT0'*/I!:B(#:#/H5"6NVV%0+73!# M-
MJ%2*)R@JSK9A$&:R5P1UNT,$P[;.])/4+0N*:J/:;:2;\#*#U6.4;+H&A1 MF]Z'NF&'$NOUJ
)"%Y*/DS%@ZW/D;KM>MX=1*\EW **_A>G\S6*U>C=_-5U]
MV>7HWI5M7UT^05^$1>$A>V-!2?(L/7X0,6XE2WOH M'"?
E#FX073*PC4GJ,I@8+K4PAD&1/I!4A*0@TRB(,2?+E&:L>3>B>\@8=\,:
M(D0[5M8]P*6VW]J27ROM=Z"_E(ZR:'RV!9(/K';[MK73(-/(0"S]6Z=:5W6
M]#A%XVY5@X"HG08Z<'VN5D)-I&YOQ_V*Z\^+7(?/K;:=EB8Y:BY0.LBY=IST
M7%%\B986B?'"26&C;>U)[T78N.%^2R31<3O)/5V,5]<&.0) M,AWI/PTN&$^LF BAN
):D146,@7F6Q>C/$+.N"'_H+AJHX)CW>QV>^%U%K8R MN\AD!$/N9-
$%C&3D5DHT%#9XA!)9D-I*A[*Y%_4H1>,Z5 .BJJ$B.C!3#S,2 MD[\HX"80B%?
T00(2&Z#B%)KXR57JG6WQ^/ -)AC-2"8VHB_U?]YAZ^;55Y
M3DQ=%?'\A&6QQ.WG/H8_2M+UX-R,ZX28DA@H1>=-_-,B 6=\OX)YQC
MF:XG6@4LI5@HMT"VB5/1?1FM9GSS<(&/<6S1!H.5R^'9B7B]9C M%Q?
(KGR0K&TV=8@3>DX2B107NU2@,H"HG4;;^N[50[2,>UEF",@TD7H'OOYM
M/GX*JVF:".71.,?):0T(Y%62RQDY1<)9^5@$6=%0!H;.AI!QTUMM=/P=X#Q=
MX!VBYM5T=DX[WB0Z'9+4&6P]E0TI:45Q#TA[+$6ZB:QJ:Y?F 5+&36"=!#F' M"+T#
[/P#:QGT5.()&GQ&.MP;>),ML7?@F M%EE3-Y$,?")>M1 U5Z2$:[VC/HG <7?:,1!T((B?
KLY^L;H3Y]WKN-8&PV5(M9 ."JH-D2(82$5(1@7.+R;'6QYU/)''<_;U?
O#91Z9_H2NS+SV'^"5?3^3UM M@&]PV^B.[&/O&^O2[-XR:-\7]I'VQB%K80-7D&@)D G-
&1R95?
HJ\>"DB[#C&ZCO7O)Q,VA2AR"TC@I^I'XKD9>+LR^+>5VV+_Z8KB;*%FT99F"I5H^PCJ!
(N'5XNS,)U/BL @F680"D^@ MD.CW];ZOLFAETIF8:)

[^O8^03C!SO)OIV..EGH'T+G6E.=7K![DQ,M0,E$* M*;-*
Z0E8$>"X19,F%*^DS5P/V!=P2,7+:]WC%/MSZZ I=P"3>SKM[!AQ$K-P
M48/(=07E6GQ9!_X5DDK@)A"3K:W,@\2,G/-M#ILV4N\ /@],WKI8"UHZ):P! MSRR"HN?
0"WQ OFQS<)+ 26&TZ M'VVN-
;D41P19T[C,EL@42\A;WVF]2T4GLR8:QE.'";@#B+R>I[K=XBO<_OWZ
MGFS9A\5L]LMB^7M8Y@D7(=HZE<4J56@IY7IM+DDP'A5GJ7#3O KKB21V$G@=
MB(B[!7V#J:<#]-W-UPMN/=:>E3$'76SJ=$ Z3@/=(.GAWKJ2"R4H6
#N3.T"9VI_','KT%,1$067 MS;L3'=?A>,@;^B?#51M]'%O2_GX(>[7M+/_J?
*$EF=_>"#6<7Y9'U8/.L5O%O M6^N@LS&YP&MYMJ5H)B2*50T#82VYJ"HIT[PVX0*
*R1[_V?UJ+-Z .>_#.[F=Q M,[?E 0Z]]ERR0F%Q=N0^.$WFWP>$4B(FBYE%=2*4/D+EZ-*
*?.Q@9I*PWVB]'M M,GR+OV]^M)H4]#PKG8$;YT"EFKAAR8-*
047BMG0VQ>5BQ%V6CWT$;&XO':*J+ M.5"/K;$KMAQZ1_*1P$SBH'AB$ R)3ZK-
K6A:5,W[S>]%V.BWVL;&WQ%ZZAE^ MNTE8B42X;:NWFACBJ$0;
*(-2[$LI9\IBS]I"+DL'(C(6W;D.W-W&CWY0;&X9' MZJO?G7BSOF[PA>3F*F5JT[5,7K#5M4.*
[0$@L*<%,X2RE)[_<42!;D818#*(H)WD8$)I>@4
*M=+!X*TMXMS;ZH#>//*/J%$@;7B.=PFT[U_0>WLBUEXKCT]#VT(OW]NS/M 87!\=;+*
*O\G^<[SH ?EP\4-WRC[!*XC,H8A."S0RXUF3(R9XCMC[L?S*1^X'S3W%(,JP".[6&6U/_*
MU:>]]<^KXQ&HNM'$<']=H)%5VZ\$F7UG2*),.!:/WX,?)F_ #[K*
MTY23Z:=3#&YV@$=8-,GQA%D!8YM6 D5#5,(!:I9#DM:6(_>F(]%X+,^-3F5*
M=CH%X':1?<#9YC0Q+-??)LR;F+)3(#S6X08E@F.2 >.,B<),3MX>;_:NOW(_
MF#WK."4/V 1,%2UYMRR\T!,\RY)1 MS)=;GY?ZA Z]\/FG^-\8V@U]M,8\EH@M5MX'Q?*
*[5Q*E7ES2NO9S55$KCB&7X[W%VZ_=#WW/^CQD8%UTL+V_FGZ=9ISGU;7K*
MN"_#ZO/$1R.*$G,:6\"%:]BN4?M;'(4W5,;X- MNV#G9@]A%A(S21DH=72HRB28J&,&
(2U)3-#7RC6&U--[-(MG?=)QO."/ $^C
M\N<[MTZ0LT)4.L@LU:)#3ONW2_762>0,DV8\MKY.?V!KM3_%0<1Q"CCRLL;/
M\S93@.ZY&7E\K8LVC[OS(Y[U(4%;A;2Y]',39!TT=B17 M\9?9XO?
5339;M7&\?/IH31OOYZ]]B\;+%UUVXQ,&(Y-:04PV@#)2UG%E KP0
MP63.I&W>6OLQ>AHW9$2K4')+[1)2T>)3 M24+1A:U<=@H@N[6] =-F0\3C- M?Z-
*"9RA]/P*K X0_]N'W^_,XFZ9WA=Y\K1N3B4)Y6Q1(DTU-*
MQ&H((4>RW8E)"CI"MOI[+M'#C^\'%XIV9CQT'H828L@Y@65T03B9P
MDD("G9FF;QL66>MP_RX5X_;X: 231D+N ";W]%\JCH@V9#>MT[8.F2K@#06- M,@K"?
*XDNI?^/M3P[QD$Y4L =0.0MKFL(\'ZYJ"T M W^=KJ?7YAJ;)**6P4#TM2N2K)?B+7+0,?*
OH>$J>MPX-GTYE)S[P@;BX>[PQ MI)+Z@.&U QQ,52I<0$%-2Y('2VPD"]E[ENN->!?
&/SD;##Q#:_O1L[.GB+X# MW-RX1?(!TV>IC.\P=+'Q5.E:2F:B+SFZ8/CM2.\JH.=$B3CT?*
N0F':M([$A M^!AWESTQBD<'0@>+X172F]-THV+Z>H8;7<_SB[/%X)G=\]-
PNC&FMR@[@^4"Y8K0Y%Y6Q]G,0
*M%%/5:@W+.0BG''E%EBO=>K,_HKQT,'O9'00;J*L#T%U*YTT]J/U0Y^6]*R2X*
*M%ZL5KJ^OII__J#SB1#/MI0*C"^U+9UGX&I3Q4QB%%GP6@C>&(Y/I7'LLO"N_3.>!)#*
*[_]'*Q6J]H2ZB#)1?GI(V)-)G)4CQ($>O=0$E;=Q6F-*
*U!=A"5=@#5OX7IO$KSW9Q8^++8MLUY5S8K M<<4GCC:*S)B P#D%E]HF""I[2"6G:*
7M'\UMZ^,4C=O\LCM8-E1?/T795\+\ MA32P+<[Z%=>?
*%R3(K[B3_R2B2FB,AZ)HM2GKR,$144-$--SDVD*Y]6SNO0@;*
*MMR5F=PAMK\Q^@/IN_1F7]PCNHD3G,JD\<4Y**Z.#A&(S.8Y!Y#R"53D&E7*0*
MMKF/NB]QX_;0[ZPPRBUBV:;=ZM@+_G<]>^YE"+.:24!$2#M7F>"!"$,?48 MUBMN)*
(O-^[7O3]VX[3:[0^Q :AV[:N8V6]/YB[1ULDGH./U:SX+#/._SL6N% M 23T2<(0B&
*<2=D*L92,9A&,J.)%"D?M5W@Q&8F\S?-H :M&==OOQ)>[* M_/T2OX1I?*
K4C:Y<+H6!SLT-M7?R)DU'PE]PV%FXS"S>P3Q$0.OXI".(TV.:W M8 ^CM+=A0DT1?*
4(E'HO8@(6U@8PH$3+:8)@/
MT936A6V/$M3;O$30>]0E72*L,V">4O.UOFRBGVW=!276IC,@?BHF6&R\]$; M*
=9[M#8R5ECKD_\]2>MMEM")4'>\FGK>DR^DG&7D0R6A($14H1FZ\XX[8UDEI$JCW0V2
*M#L"X?YWLQ&FC#(\)M*HW'65AX(S4P&T)S* B)Z)U?*
C0>K\K242K_F\LH6['(!'7U>J!>,9^1RIGO%K]%"L,"$;
M(WSS(\7O$M7EO:%FJ%@,J:)1TX0;A_?:H+=WY5=:IZ_P\X67RJ3F*\2?8Y*
MH@X"F)&I)M891)09.R/U&5GWW55U>W6D-I &DWD^RCX27$/.F3.FW M,,,ZR&-!
[L'ZV_M9F]?S',M7MJP.<%ZS8Y)"Y9E\D22%> *)PF24!6/A=R2 MYJ9L?*
*_*Z=.P&,VH#J:V'+?4:;_<7SEUVXWVW?#4E84[CMF/9!UR?+^>U5]0F*
*MI)M(F[*7T@$/=51<"@Z%_;7Y%H1ORXYR@CHOET*N^B.*V*>>>7*
*MY,K^M7UFPHW6V2A!?HFJ#?*3 W*W W@6BF2^6-I5&N/W$7+&/38Y,2);J67L*

M_/2V/C[,_K9<+ORK4T%+G YV>8)X(E-/62G&(I@XK&0_2\#EDBWUA[
MKIEU>_F,^[YQW$./4[J.@^B@'P]R?U%.LA*9U]RJ=%6$Q?K:"=9 -&87$K)*
MMRL03YB!&?>HY,3V;2"E]9L8O+R[=H\@G<>08AV1:33%_X8X]$[4&*Y$%I$$
M$%MW67TZE>.&-Z=)#+924F=13!U24YLLDYMZ-3YD4E!S[T(FW0$I7D!AY;L
MOHG!AF(C3T-&T_<2U65BL!DJ'HDZCE=1MYB[/41]H@,S)GH&S-5N_\9K\#I8
M0&%UJ$= 9-9/ KS;E'6933PM^HY25@\0W"7;GSX,3@4E0BW-R):#\I&66G&!
M)&M=RI%;[EJ?&1]:Y>)QL%@>@J%]A/,;,6(F\HA6HLDT2]A=B&#B?+&2<80*
M3%UJ+*]W3?IJSK26J@L?6G><.U1@KI,$@Z%Q':JZ:+4_P-^V='^KKQ=K/&B M+G?*
B5$E&R S2;"85&H00LP1K,C'H:W5NZR#Y(5JZ3/D-A:\F"ND"6M==BTT!
MVBN,ZPGG@M<,$ZBH2")24=IHH.G+K] M938)7&%)5@)+==?/3I'4#,5.C!
*<>"_W0M#YRVY^Z+C-\0R%O(*5UD.&K;-7_MUY/"KV&V]4[KF6 B*
[HYN)GGF]^X]LGM@+"[A;II=E[]V9__2)_#_!-^(&/\ M$[*.:G9$=PI^-P7"^R<6:Q8W*
\]Z4S M;0M>6\":"Y=U4OMX\HS6*]%SWM2=@/TEU1T[X)+Z7;48.*
M'\>R"MH+Z6DM]$G MJ]{UH2^O#E+G^1Z7JS;.G"U6YTN\]/68B RE3)!S3?
1R+B$4%2$;SZ/+/'LW M!%R/H7EKU]MK:OFG_7;Q?I_X?I]F&82 MJO>(%!/8K#.HQ
V$6#3P@+I$;V)(K>_U[TO;N,>5IT7,';@.H+ZQJ]7>GR_) MPUY=JV:^7LC\|?-RTYM)]O4(
*M%S.)8G.66]FV I-0Q':)H@Y35PHBXQ$*K<>(6+C!UGG\1J2/>\ YJED=0_D=*
M8/ZRO/[]!0&; IBZ@=!O3.=YHF,,0G$&T2A34]:*7'*)$+,/7.EBLV\]C_&[
M1(V;N!H5IVT5U@R!__+C'560=_Z?FQ]M?E)_ZP.6'^K??__P^L;S0_Y:#W@S
*MGDU7JWJY8[68;6]Y_#4MSK8O?+?\%.:[@01AGG*J^EJ03O1U?MN\K2:GGV9 MX?*
<\@#V>^N,5#[>YVSW\#KB&X ?_6)/6,?_ER#UNVPN$/I^,9NFZV<.D3/! MI,O A2/<9*/*
6>LA\Y,%!9M:'V"\S U1[:LKI\7GSCXV@W]T0]$_G*
*M*PHD5ZM7N$K+Z9>+059W:/M(.OAI5LL#I:CS= T#C*PF?PV"<\R#B#H(\KNU M;#*
[^<5"&1IYMU@:3=QJ;=P.!YV-E7RS_Z_K%KP,LZJTG#&0]'Z.SD:6\@,3+ MQ5FD7?T"$K?
Q%_167 MGPB.UYZ\&P1T,8;EFJ=S?9TP7S@R!DK43JQ!ACJB=1'$GJ0=7X?YZ&NN
MD!^CT5G+FD-UD400! 1E#7"K4]'%61Y;W]?9E[9QC=80&+I;G#F EIZ/?;K6
*MU'R.ZT.LU*TG#&2K'J.SD<6Z>,6W>S(JEM=+T]F"E#J 8BJ!IST0F"5OW#.4*
M&%J7N#Y"SO'M/^||^@KG@H=0%&K:\!6GK;]>KTB80)IL(RTK&W7K?-QC](P] MN:4-
)N[V\VRD@>=C:6I]\KLXFW[://L@A^CV(P:R-8]2VLC8U'?<@ZD@C$Z& M)<#-
C%,6ZDZF(QA4+D5K-(^M[_+?SL SS-=Y81#H48X4' M5I2O]SE+'?
%%R]5I)K)/2>C6H<#3!RY1G8P;-TIB!U.;_'^/UV_H5L6A5"*
*MF.V*D,+L];PLEF<'%\=\]YD#F<&G\=(LX-^J=]/2>U=C/?UOS+N!IC;#>Y],Y-AIA].A\$X%*
[#Z?$:FM-93UBY' M].)MM>]!QO/N4X8RE]^AMY&!W#*
[ZJH:5)V=C])"E1%"Z9M>#%"!4=,89H8-H
M/5;Q)@7'FJ^[8JMW%^Z#N2G&B"PS)$P4B:5ZU5MBK%=H11$B!25;CP_:F[AQ
MS=41F+AM?891QS.S.G<[SAUJ>1[H73>0]?
D.W:UM+%2LY%@["K<6HEAUH9#Z.GE="<-JM> 3%A;6&,R-=ZZ+=XR@^_F['GF__MZ?*
K;KQU,6.=$'01L6&U_%1-"C#J!8CD;ZQWWOG7 ?R3)(SMOI\/GW5LAIU/U M\[&IK^?
*T)7X,?QR6 ;S^ZX.5S3Q 8;..F=WS[XD5,LJ0'>/ M*W3+ KAS: " M'U5QR;H4?/N:F0?):3*
R]_:CK]6&)8V;-+K5FX;YQ8 OKH 37 7AA,X#U,P\ M3,_8-3-M,''/#-PV&G@^!N;7L%Q]#K-
*9'0MWB(6Y\?L#F9B':1SGH@0SY*5G MCN"-]Q0D5!!P-&"M%+DDU$JV#AQ/>U'BGK?*
=MR)X%"ZD(&F5U1;S03&(M ?7 M-K;(C7"V-$^&[4?9L[H(\10TW398
RCJB"ZPZ],>%\05_MVZR@5+8H#"E%KL&<%G+T$$QHQS@?'2VG5XB):C
M,UZWGGMM=W:,89$(-FA- 8=GX*TNH)4OZ(K6LGE9XX/$C&M^FN#@3FZKB>"?
MCUOT_;OM%_=I#[$[3WCZ:'?W[^=O^#O\S@;T14M(WI'_SF4$QV(!3,)X%C/C M]OG
#,G#1^Q() X&JIA@Y0]??:+.WGU7IZ%M:XFL0L%$K4(',BZB-&
MHEXAR.+BQ8#FM8@NDG!N.V]!L+,$4+N "*_A.GRW\/L''_%4,/.FI>_WZ(F*
*M+K77)8/WG"RJ2@$"O.N%,, >F$AE;9WVDV,3\'1G?SM M"=3V?*S@S=Y[AUN\>Y]SDGZ!*
UJR)QY?9I>#23E B76Z>+:&7+=2""M>TW_% M>-?:H3GM8?
*C5TB$/=O%I7B\SO,ZD5O)DZY::-]IMIB-/9=A;>:G5^*
M=F=)185UF;$;8^CCQ1P\PK@[[SLU>;:2]O%F'30?9R]@&9>YQ^O6F
MK=$6C380R=^N!>82G!()DG4H.!>2Y=9AW!'D/H^VFD]!VL.;\["Z?#YASO
M%L;E2U[6X6KS]2UWE//@+'(!@=7+CEEZ((=#@-,AZ,R2XLU;CNY+V]CW"']I@ MY6&3U5
SS\<^W>IZ>;B!NO]!I^G5.:")>J!CHY<;2@,6%#DF;,ZHML2XHR1 M-L>L+=.M4Z?*
#=.R\@G]]_BW(6TFP5FPS@YQ< 9MKK,,C")T-09XQPUH7!SQ& MS]A--(Y&PL.VYTCA/Q]
[LVL:=["9N?'[@S;S'-"HW.K)5TL8'2>G%U,M],A. MT_9E'614@BF3K'&M79W6+3WI:?
*4V\"T(%\]8L4:"+;57=K ^&_|*5TU\GR*ON_V8#Q>U,_'6GRO9]?*
A=F3/)X_4BVQ0A^:X7E!":\XV M"<^0:U6:K0YQ1O"^QN\J&R9:5VV-W)'LP-=?

**UM)CAM'F[@1H38_8!0Y2)_ MUXZH28KH5/OV[L?1/+:K=3J,WNVG?D)M=U*
MM^'FVBG9K7U%:Z?P_P3OIYOA/8! MU]-M4?15?'^+49)405,O-
IK::C74KJXQ:F!"\R0=1U>&2_H_D=AQ[T:,B=;3 MZ/<9N;+W=C0[PH%]
['DG["">LA8>L>6=PJHK MA^;O\^5E:=IM5M\NYE]Q1?
IZ\7M8YML^G#/$LC,..%EB4';3#L(:B#X5R5QP MA0UW^G:0_(SL_/>P+D8&20\+YMY=
M[STN-\E>\K@W'UAM;,.[_5J'>9Y.O_T /,L$O->)) UYZ=5P3JNK%6J]5'B\52/>WV\GPU@:
*(4_GRS0M<[,Q]2"WG[(\'VD!ZT" M?;AS, J.R3(#PF0!RJ0" 86 8%A6S*6$IGT5:/-*
NTE6%EVMB42[?\/,?=44@ MF?J?2\&Z#NIW/]2.,[=6@W2.\Q@,B2#7"3RU%L)#1*9LT&*
(PE/^'FR.IF+L M M V,+FP5:=5RO,Q4=^_LG\EM)=AELYGVR+,1=E<6PZ7UY;?+%:7-YI?
X3I, M9P.U,#B"GM':'K22X?"M$J+E2:,SP(HC\ 6#Z&P!-YCE,)J9+)UJ>MPK1+>
*MXGJ[T*M@)]%H28!S@)&1C\$#@O-%@Q:&,_*ED["M6;M!0+=M#9ZB\[M=70X5*
M<:,VU\=&JG1 MBT(_;WX-[SM$==NS\1@4M55%!S'PC67QXBM9\HTSL:AS9G)SR!
HZ(',N=#(HNF?5.J)Y'8;=_'9M:KL9J>%0IW#LA$1<<- MBPA2BW]_(1:(,BDH*(-EY&4';-*
T:X\E$=MLH\C1(/$15'6#Q'SC]]+D>BWW% M9?
*B$;_/(BYW&:/5M1SH=J&5$D*6W@"7R=9TE *O@X;@4EUC,7G9^B[2DPCL*
*MME7D,1@<3D5=M%*YE[W=:KK#XU5OS(EFJ%C1'$0BSU9)*2!RQ2!D14Y'24AL*
MGP+WR>UV[Z1S5'96&W]VL>'&)V@8]F)J(!E2>;?B@111.(V9EI]VF?+3X+**
*MATG<"XWVSX#&1FHZ'(6+=9@-,L-@:^I1(#H*WR$%*VNA;H2@,@?#2[TD3XP$*
*MWQAK]Q*R%Z+<,T/4\2(?/9-RFX4+%S4'AB[4!IDV1V*B]J[DSH$T*7H9@\?F M&;<'2-*
*D+.?Z9(^<0L8^.G1W77[^(\W.,^9M_Z*S+^?K M75GI;9Y?*
G%7)3CA3!9,2D&.]9!MXO61;!V&QE&,064G1>BQ&$\+WRPFS9P;,
MT^OTSW3@]C8LEZ&;M!CM#MO&>UP['%^&QUY72?*
*C93U[FTWS1??'Z\2*Y,.YYV>D!T'!J\59F,XG:%F@5>&!HS&@M-+D5UCR*UQP(BAO M*
*NX5$^R+@^UKQT'"D8J[3_T'2'%$ &R7PO*_WDS/IA29_(HU6S(QV2JN3&V&*
MPQ,H9%@'UK)ZWRMRZ:2-_KL.SKU/[D#+A^AGT4I8HVOZCM$C]Q%?TZ:XFCA#
MT.>QD ^/=:9>$?252Y P>,V#CXSQ [V%RY>,4QO1W-XWE64'J>U?I_,%A8#?
M7L_IF;A:7RX6"OA2U=_G_.G;^XV,">XRJY@]T JI599<@?.:^),LQIP$B[EU MY^LGD-
>50W$@'A:G4<[SB-4/'G6U]9C76I)I[AC^L?OIV>W[0A'/&E; (T6A74[4%HD@&
MDDO9)5IA<< &T/O1^*QFS3P%80]?8QI >1ULP_=PM8E)-&T3TC,%AO&\/2AW MZ -
*Q%;TN+F2M6]=\/4#*N% ;5O_?'P[S9&5TBJGM.";<14(<57+1.^#:;2YP MU\)=%R*
*;IY3C**TZ!;IN$-6'23M*]7O Z7]C!Y'W@Z"I;1<%5; U'O/2K,$ M,48&P45IG/?.)_,]IZRCC,%*
6GLTC_4$79@6"YSZ3^3/-;?ZGGA8KY)K=>E M@LD+;PT#4Q>
*(4@PA1$EB239G[:/'"T+HM[:,$C7LIXZ0;5SO%=("R6SSL%EUV M3*FL,NB@$RT5H*
*CDR""XL8RM!9;M]VXEY"1W:%VBKY=MW*TU#N SK7"_)V% M#5*:*
*((ALG16GV(,,MLO6U2Y/WEDTQ$#KU-4=(L:%3 /%+EI*N0.8W+S/MN-! MBY3)J[/*
*5#T:UHJ!MYSV8B.]4!E3T*WK*>^C8]Q=JSU8CI9U!WBYM+HO9V&U*
M>E>V+;.JQ;6Q&..CA!+J?
8L0.,3D%0B;G&8\4=30.GGV(#'C7@8'(H(B(R;H'E1<:]#CN:E7X-=$C[)#G6< MH'M!R&
[1."LCK_,\M:0H4OF8B FL>2^#:)2MT/_SEH4]27&/E(4]18K=)7F3 MD-;1_\:'7?-
%0H&"O2$23[;S-5S2O(>K9]'T[E/$58'[L0]9O#-9?E$9PA MYP$H@J>8SY< CA<&*
(N>,A6-BMG7SD\?H&?=N_]BGD(>II2.(7:L4J'7[4U+7 M=G#),LQ76\KX)//H0TP,"N?
DW!L>P;.2H.@O?=>7>[^Q_>G$,V39!81@=#T$U@J" M5!JD#LB-3IA2ZXN,;2@?-*
YDX.&1/J-8.P'PM[?X^+-\M-UF2_.]A=HX7ES0G M612=BG(@)>J:6$T0
BW2G)GQPMC(?.M\Y!YDC9N9' R&K172 <8^XMF7Q3(L MOVW7T\-LZ/'[:.
*["NL*ZCR,_%"N*B2@K2YERCJ 4>R#-#1(HI* MJI)NU4<]D*A[_#WC]@]KCIG6DNW*
.ET/<=XOI^G-S!.%?("B!&;$%3B J)E MGN*=A%Q:R9-K7?7](#'C=@T;S/:T$7X'*'J@Y?*
*>6OTE1D;S*0EZF#F0WN;?@ M46:P@JE<'/)@6T\)?)2@<3N)#8:F=DKH %&7Y-*
_DZGV89OJ-Z3Q/!)]D2U0@ MF3@ B;PQAG@)*ODG>=H6]NG[Q(UWS%"*
(_EWAZ0',RT20\S!97"A:-K0 M:V:/C#"@8ND ;:Z!W&H[FO:#WO-)WH^ILB/:K7^J_N?'
MDP#V->EW_FD:9[AIM+.ZPS(S5GG.'6CA!:@:NM,"-9!X\#:X%+RT+5#Z/4+V
*M@^8S.R,XI7(ZMYP79[J[*T$+3->;@5)XB!1;08B1"T'L>=/ZVF3S M'I7/[X1B**
T]UT:55S/%:P/ZV?OS9?I,"V_C1;^8;1!/GUHOU]W&\6NM5 .
M\WR1+:AW#5>K\S/,S;I=#D/625IFGD"BX_3=+"Y8;3&11Z#$[D:J=9'^J8.+
M3A;%3G#;H:>^FSK%+$(R(+71Y+,;\I&BLL!019:4=MPWSR/]F?MN/@5A1_?= M?(KR.G
M'NKWIZ1F%HT#4WPDF9&X/)<("K,OQ3(9Y?_?=_-H_>_9=_,IRN@4
*M4S<[!S*9E'>L^E:T+%516+,2#+QS10M'CI88RN8_L[Z;3U+]D_MN/D4/8T?C*
M=VX99^0J\>+_^9K:,I%<:)XC&%V\"=5;#_O%UWUU'Z"#LP+.3Y M$O%OZIG.*
[4333]]^#?^Q6&XZGFP6#K-2(L>1/+UYG&NC4ZX@!*+L%'P''3K*

MYN5/(.^9]>0\9E,;2FE]X_&*L;?A[&+AFE);[#!#J@TF[R-Q7-,W&%3VA^31>NL
EJ_P*\X67^J!3/H\7\P6G[Y]J(/!5SNK-M[S!E*5F"9#0#Y:6 8+(
6T12R'P,V#I%^!V2NH7=\7"X76_:4#<=0.W1A&HL MJ(/B&@Q#\E@C+^!,#."
<+0%9*AA:X^SHUBG]](5L'$@>II:.('8MV?,!T^+3 M?/K?M%XSB7Y:IN%RQ5ZD/5_FUI-
E*6.7:=P,48C@=M 7IA16INA>F&=E-&.V\5T MLX0& RJX!5 O*^1X,/S)5L>%2VD-
M$[9>W"'?D23 !$2M(J2@]=9>Y%;G^VTYZ+CKD.]X/\ =1\.^,4ZS+H#_"[, MNOZ#[:CUU?
OP;9,F5%8)GSE%5MD)4$%I$DZF&"L9G1(*'7//6\-W&>RXT5(O MRZ0M2/YD6\9=X;S:,?
4!O^+\'"<:L[-:",BZ[]>FCBXQD>(RQ672*AGE3C#X M?3@&.VXQU>*.@8D?
_H5M/%+)T$(H6WDP'VL+7V]A,@9Z=*D4J0N7JL3%&ZW M9JOC%EK]KI:G
^)/OT;>+.:?/N+R[!7&]20IY"8J#]DG!TJ4!%Y1R,92]D;D
MR(5]7EO,=>YZ;@W6[Y(Y&!]_LI5SE=ZX8T^*,K:4XB!O2KQ"3N"4"L <.EFB
M!QNGIN#G<,))OKI ./XH+P1PK7_X&U]IR6UE=*TJVAU263(=/O\6(N^7BU\6
MR[.PR\6N!F@'\M K3MS:8R].QVG3$RK3/I&]!HF8E>8H. Z5D7B$K#XJ_@?
MT1{76HY240=;^6,LD0?\>DXV]\L5JM)
[=A8,)-3XJRK/NC8'YD!!ZNKN>S15]L3&_#LO98_HI'[,4//FN@37<_VAOMKKN7
M_4)@K4W1*_#^,5U_?GF^6A-"EI=@-*D0')P&(8,AF%@&D8G:EUJ4HE+)JGDN
M8T_2CK5LN]>\QV6IJX.T\R[.II]V'6Q7:3G]4K]\5SY.SZ;S3Q.>7,U?U8;P M*M76\!I\,!+
(;/N0E!)!M"YD>B*)X^ZS0R#JMGD;4F<=;+:OIJOPZ=,2MPR] M*SMVM_=M,5JEA(O+
Z#UO6+F$);9%,1MMZ.LYC](R[I9X";,VTT0&R M2$BUS>=N[L!T]9_??
L)Y^GS65C^Y[9=A1 AQFBA^A<4L?, 7I@()1?)@LN6 Z.$S6! M5JCAK0=!?(^F<:'5%@'?
A=<1ZN@ 7M^Q]+NV)$A\.,LMV-JL7>F8P:>2P$1K
M8@PU#=GZYO=>A/4&M&.P<+\OUE Q':#MGJ7YD7YUNRJE\SJ1L# 514:?&S+Z M!HD?
PW3(Q7K;>D;X(^2,ZW^=@/\+E&=P>I0]2^&U,6(X%HMUY/-8,YZI_V* MJS#;-O9E46B%
N@7:.6%E(F)1)9<"0S)YFCY7@$AO>4:F.A?5T!ZE(!QFWDT MW]_:"7MLQ."GVRSL%E4T-
:TF+,@0&*B8-9#GQP#1\2"-TSJE%HAYB(!QS$U# MQ2Y:2WE$J&SN=RZ_35Z^F'
O%4NRU)[@]7Q)UD:!5H 0G%G-AN(7&[A]7R+AZWX@P:*.TQ5$2[,!;>K
M"\+1'Y[Q$G,P*$SKX0W?HVG-TVCJE" M?
=+S!ZZ&>3J/)ZZ0\18%3R(!H5G46=L>O(QE@SCTTHIB6A]OG:A"YJHE^(7H
MWR[6]69PF*]>S&ME.&F15MF50K8.BQ'!D7N+=:G1 @^,W%5R88'$%#AG*8;;
M@V4;SH=[$JG/HV+F*0A[>#[<<#KL8!/?E[F?OEUC]"+)[#!Z+6F30"T]*"T\
M!!]M3=H)+6HG^]1Z#L Q]/8R<&Y 0-VYBW(B[7: Y)L<[/('1&AQGJ05G,Z@ MT-7.)
<6#D,JJY'*TK'T5YETZQD7>Z5!PQ^D\4B4=P.KCDMR\NQ[4[L2"USRE
M5(E68R9F1*#%J7T"DU3DDG@1KO5$UT<)&GM?/E;?BZ&$/W8#^K_/XW0VJVW'
M+GWP'1?"%1NX+("QMO#+A:(ZSSS4J16FE))8_F[<\?@KQJXX;02*AG+LP*[<
M,,KUGGRURU=<747]WO",AGLHL@Z.PCI0WAD)S)6<#<7_R%HGY_:EK9=AAR,Y
M5*VTUA$:KUAYB^M=;ZN)STYH6D; M7 41M'*I\B5>7-;R,WH4 R%@A1-
1:46,MPYBP#HZ6T6-&(UVK<\^[Z=D7/O3"@>W34X#J7>P
MCUUR\2'_FN@YT[#K%KIW\Z_?)G5#EN>]GMA@H64ZXA/;^L- >0@HI%%>*99
M;IUT_AY-XWI1@^.IA29Z0E9M7^683)$G!\+;NK<+6^?8*& D)Y6,=4&U;A=Q M_?
WCEO@-CIBG2KA9@[#!G9S:$_;JW/7:$5W]P1$^SU[/'<@%>CI/C3RBS?/O M0I
;Z6RL0YR+S:!DYA"*11#.YYBT4=:VMO#W4W+\M.^X?CVG9YW7XKAM["H$ MLJ E.?
NQ)% E*PBU%X5R#$40R?G4NE?(/62,7*!SO-[O#N\^3M0=[$\W6=BD M[I-
;2PGDI.IU8^UG2Z2;6889%9DD+D88B7!\F0I=X>3M^'L M(B4;
BIAF(;T:55NBH:8(D(.6J7]JEG=NDW'0[3TA)FGZ_A1R!PH\+&/+W[# M^72QK&WM:
[YKEW&W*+SW20!GHG8K)C\OU#^BS2$D,L-%N.]Y+@\^O2<,'*]T
M14L)C@V!EQ]_JI2_.L?_,\S/P_*;8-)<\.&X3E9ST*6VK729I!*M@5@G4ID2
MI4]Q+R0\\I*1BS.; Z*5/+O;4ZY2X$5["N5+!MIHZ]P8%<%I60>&,^4$#\+* MUJ?
C#Y#2$WA:>R&'R;L[V+P,R^6WZ?S3B[-Z]#%QBC'G) @V!QL'0[F
MR4QY_GX>SQ7)=1Z+4_.1F(Q4Y M&.FM $O6$51R
IPAPQ@MMZ90Z%="ZTMOWR5J+PP--GAA>%_F6#T\'5A^"ZQY
MO;N'^6,SRW.=D\KB:G5>]]V?__B"\Q5.%$6>UM36G$(14V0W(7)#NRXY;9%E
MU*6Y@_,X17LARSPG9#74P+&P:KZ7O9CGE^'+M!K#ZLA=.\1[/4^S\TSAP*[F M[-
>P/E]N1Y09;S%%9\"8VOZ<:PZ!)P3.3/;_+WMOUMQ&DJP+_I6Q>?=S8E_,
MYH5227UEHRKJ2NIN.T^P6"G<)@$U *I+\^O' P0W$" 30"0R0%5;ET2"5*8O
M7WBX>WBX2T5XB+6/O@^E>=A)\WWOF;UKL8%]]B&_MV60B5+**7&02U4E+CT+
M/E$.5BF,-BPQWM5.+FT@8]@9['UC:Q]9M[-[/N3D?NIHF3WG!#<6HI*ERQCA
MX&PIT<6 5485A2>U,TN;*1EV(GG?V-
E3XJ=3L;Q6^%)C)@5&3I$"4HDC)=A0CP@B[O\Q!I?-!"U2YE/E[UCD@I!X_;+'J-

%,VHP5TW
MI029)$UIBL2RVO[ZJ53O[+W+M4[NXBZD1338F4X[Z[>2A45S]Z#./F19GY:"2G_<+/E+.*
M&(XM%T^4,@5=[AGF99D2&ET?: #AI3/4PS>A@R3<@"UY
M2/]M'53TGLE(P%JGBS@26%5DHDSPAIE,0FW'_2D5PUJ3P[3Z#$3V$'$#(%E9
*MPG,T39,R[_K^0CZR]&6:9W>-&T*VS&@@)O+2^AVEE'T&+IT5GD4O1/6N9]U(*
M:P=.^R!@||9451T-H.R-FR\EM(^&A-,CJ:(!+=8*\M]U>! 4L&$SRQG5[M;*
*MQF,*AMVH*F/F .$V (U/L_'50_(U)91Z24!QC3MV" &LR,A-J3K@EC'M:L='*
*M:R0,6]Q3&1R'B'?H8O:OL_'%19JA]7OWX_:21[1<2AH$1*Y*16YRX&A40(+D*
M1$>AB%F[_+.EB'W#PUNJZMK??:TBNL94?SMHP#%+\3^,SP@NA&@=&\2:"&4*
MUZ5=T/H?Y\NOMVV#_-HJB(O M0XUD9"@3FL$&C3)A60?DANKU9,@6
&Q[0SL8V$=MT]HR;_0(7/\^G2_'R,NJ M/.+G;P^VM$@\%8(!5QP7BH@24&0!(AI-
24EF0M%=0/'LVX;Q''L$2#W9#@V6 ML_A_KN M+-$!#.\#%[CS'6[1G<<>H=Q:OH_;*
(/Z'1KR[\?SX"[_)[E9@=> 6LC)0G]*
M125MQ#7K)/C(!6BE:491JZQ")X!N>OHPI>U]P.E@V36E?(GV&Y$^2RXO[L83
*MQ^2D2DA^9@FA3#1!%S(IP'V>!X2S2T'LCH1-KQJF6KUW6!PLU:$Q\O7;;'I]_M\>WN\C**
[O;S,D0DIO02I,:80AI=B02L 39_RV3,NU^=Z;_NEMKQAF"KS/A!1 M189#_^&L
*/@I"\DPI0.18*Q%%C(Q8+7RH/%;:GRPVG?;*S8_?YBB[EZ44*N*
EZ[QU&A2YV0L#&QP]3>=T' M Z77EOZERL.D,!DC%-@69F_R-'Q-
9Y$,#'+'+TU;+U+8B?]RQWT7[UZNG_] M[R.]MO1_9\$0P(CB"%FI@F#-RKTH#=
(BE\I2'V2W<';CX[OET\CI 6 ?\0T- M@#?I8CR9H#Q^1QJ^<8IL\%N?
*EIA@D7VDF^(^IC'H=4FB5*SGA NKN%:=4+#] M'=V@<"*YU2]";.#T]3;]<1;^?3V>CY?:**
*(.# ,T4Y M1HJ5U,MH64EN[2'UY35D/>C<*F?#E+=]691DD>!&Z,5.G2(X""Q84 0FKM*
*M22GHE;4KS5XD:MA*H2JJ[P"G_?4P]/YT-OOWQ_'5>)'BRIB2P*@T@8',#)>;*
*M]12\WAX0#M#:M)<(&#,N&MIZ1"*11H4_M2DHV,G2Q M"0T@B#W"-*
UXSA\%SI0RLWAY$&G1YU)T)YS].F\+--D"1AI M- 3CC&4& W+?;S?
*#AAOD[J3CK@UR=Q'XT!O,)Y32>#XOTPO*8*C;"86>)Y5* M>5V(I")(J4@(C/'(V>A6_W*
*QL>WA()]U3:M*L.V4'!VF\E3&,<9(D%* MXT $:9&#["*
*ZCC&B25:L=ZKHA(*SP>N**BALN_[WD5Y;^G]S>^P?"9)J OC@ M&)2NP. Y?LNS4UD)*
*[5W'DY"-CQ^P;*A7_>\CO0;QK3]K<1,>PCL6ANGT6*GL(N@&P/+U4C&M#2:82*
M)%92.\X%,(;A'RYEYTK7#$$K(Z6QN]N'Z_7%F]N["'E E,0T'GU,%^[RW61Q
*MNV(8+5WNSMO[T<*LF!07!#]>T1%"6>4,) 69Y!$!?!LLC %9HM\L+280AX^+9A*
*M3,'!ZH6D-W0,6,//WZZ/3T.Z!UCO VZ7,,0,0BPKO38CCP$ M5&,BZ^.WTZOMT@M_.;XY_*
*MZ7.Y4BI:*8S2#SKD,P5/#DU4AF]H)RV<):JE7YN$A2#W9-P"D-1YNSXH2*
*MQ6#>XW(*WJ(W11PRH1-&XH(*IKTBN7:_NHV$#.MH5E3TM+;4&X .DG\UG7Q9*
M3,._;HUH#EQZ]&(>@U"2PT6MUYP620K(PO4+$L)"IH-CU*/8@*3<*
*MDVWM9B/W5KO20=TINYQ^!98B&S1*Y) Y0W2_$VT_[C0C[$CM>&L?Q.XG[P9@*
M\VDV#2G%^7L4V&WS_?/E:.E1SKXT[TNEB,&AB!P!FT]W8L9Q,81,ZYN9[=2T
M=!:WI[?M/>H(OD&,/3R=!""(:,VZ.PK44IA,&@ FUV"X#@N-<(E4_W.OMUW*
M2LO1IX8=@]BZ>F@_6_^72!'1_#S?Q).X0AS!+5F!%EF5=@@.#$T>$O?"2Q]I
*MKKZK;26FI=XS]4W3_G)O $"_K5Z[FJ?W=CI?S/](BY&*S#DE(U 7D W""1CC*
MRVP9IIFG+DE=>\C8%E):JI&N984.EWD#T'E[Z>:(^W^67OV3Q?GL<^GI=WZ]
MF"__^3+,PGJ=/LW%Q 5<_G]^.J>C;"R+G@4,;&WI(D<">%EV<1U,Q*B7B/H%*
M#OL0VE(-1(_XJZJO!D!YR\#9)-YP\&"!E8XM(R)<(I12R-2STE<;%YFC&3BA MCC
*GF8ZU;X2\1%-+YZ%UH%95"T,?FBT3:26JQ>#CNES>NVGR\^4;BG>^XO1V M&<51S)Q**
*(0/(8#D([108SQ7PF[9FU@;9K3G@3J]MZ;CD, CU+/*AP?185.\O*
*MI]-9:8N*_(6BL8LTXMD+*@*:65MZG7%T,#T7'IP.P@86@DBF$X!>?%5+235/*
8C)C,+P22C,U4\&[7!5YXT4!7YX^$ MDL/DVA9&5DR3&*
[8'PDS=>3<'9NN/E_QY,XXE0S;H,&YM!1*_,7P<1D(&K< M6&G2,3M]"&KN7]4-*
+R>1O^Y!MHTA99:^NY^KKZ[&UU=W[#WP\3&:G(3Q=W=Y M=G63JQ?(H+/)Y-I=?
*D[XX?4C MODA*VEE+@7$><66(C+Z!07]2!.&9]0Z]@WTQM.VEW5!T$NGN7N7=(([>3B?*
*S MZ>4XHM&-[]Y\^/K;V4/FI%!6@PS*KI?E[F"0GGMS M-T2=1%:[?\FW*
L'29$5FQ^G;O)U^@]W>5U&-XVGHQ"M998S"-25.VZ:(DO9 M 67:11LQ@)'=FA-
T>U\W")U.5KL';<%G$_3^>+KS$WF+A0ME9*;VRS]W='B MR#KJ>!D7:'5)PNJ0P*
BFP85@+5&4Q_7):MUBP0[O[@:H4\UX5Y=^ \>Y:SE] M%](J9A61YY"#!?S+W71Z<-
XQ\)E2B;P$F=8<[T="N^/(D,>56Q-PB? M\6QI9TUK[V MQW6Y17.>[S^9CQ3QQF>?
@#!=VDR0C++2"DQ./F6A1:3['--N>%4WB)QJ=OQ0 MV39G91YFP9;7
>.#T\5@O1&!4HB!A;(&,#RP0D!.U$9+@Z&^W\L#SU'7#6@G MD1KO637-@>ZF/F8K
)PXJ8<2T)27B@M:_E M=J.L&]A.(A7>HTK:V@,< &"4P=>8V!AN2Z38F.D

MH7NBJ=,KNR'HM#+?]67=G*EZGVZ#"6NEX+@4P"N';"0?P98Y"-;90!S/CJA^ M6RK?D=
(-2B>1_JXI].:P\W9Z>8G;]NSNZ-I$DI4+R TK%]N%+N/HT:#21)QE
M(:3D^]W>UBGJAJ232'OWH(*VMK/;#.R'2<3/4RS-\+]._TB+?TYGBV\CZX)2
M1DK(03,0CG.P'D6H#)>&6F8M[=85:9>W=L//J>>*TB\.=OT,+CX, FSY.;I
MMW3S]RAC),'+= UDKU0>\UB\/P7>!D4]#<2[W*N=>HZZ;I@[B;1XSZII#G1O
MIY,?:;88^\MT\^4(MZW;/_(1SYK444PUQ_\]_/Q$U\OVOY8^6/RG_ZG/*_U?
Y^^^?/SQZOHL_2O5- M3*7G-O[+^7QZ>5T>,?^O,+VZ>>''LIKF7*W%*\OTS2??T7+C)[?
WI MY:_<7'O-?\>OSO]^-I^GQ1Q_X^/8^=*<=9SFOZ6%&U_.'TM@/K[Z?OEBC6AU
M&O[[7C[KDEN1\@27P\LJ_;E(N,'&__LP2W-#Y)E'2+NP&#GMA!+E.K+,&#@$
MF\"5MIF:$ZOQ!T'2VBUT'E-PJ.6\>=J=J.\8B]G'& T#Z2AN %0MO0[DCB3G
M=$@.MX%>&'M"RK"-@0[0][HMK"'J!O;:.P;6%N-
R)8X$S=HGE4$[5W\ZHM$#=M@ZHBXVE,/ MS>UZ=PR-3*8F$.:!\:1!E E+-D5\7= MKB?
V!LS/YOCWQN5C*DMA&(6 X2TN!X:L&.$A"B,U=XD[7SNE]0PYPSK<%97^ M#)P.T4
3;M)&,=TZ?5;()#*U$+TH)MM+,*77%==,IY@5KKS:4P^>HV=8@W0<
M0!VD@\;,TR9G3Y4IZF7*"./$E#@B@+-9@7&F;.4AV%C[1/H%DH9UN8^,JCTU
MT2JP1HQJ'KQF:&6E!)%*(SZ-['##2J,(D:.HG1C82,BP+O>10;23U =TNYRF@_929R./$C-
1932Z9?:=RQA2*$5!^B@:.@N"L;/U>D>L'[M[E0.V^MU$$>^AKY.[6SZCW('Q'F-
]#_+.JPF@C+->4 M%N M[O:.*\0^T2P%49VYK>2T<&ZWE]Z?GOK6$?F
.]U\MB@3(^)U6)S/OJ39 MCW%(R]%M4AF"I ;P#$VB2$J6 FH'265JB$O6=YN/B"]X !?\
[AXJV]X]-#XJ M*75:4<)M(*2TMUYQ,%^-;4L\VFB;DO M4>K;K=<*HJ%E4'PBJ7KGBF?
(&?H,K.[F4EO^[4+I=HDY0:32&IA4H1S'>%Q= M@0&ECF89?7"QMB?[+$'#^BK5U-X-
3GOHH %_2U-EK>W)O$L7HTGX^+XE^#R MW9_?TV2>;B?&$AWP?
PIH:5PFC+;@M*&@)')+2H].61M8G0AK$F#[&':MU8: M@-J7=
(D_NGB!M]L]GEKON8T"*/>QC/'(X!3#9:I9F8"5$TJU,N1V(G#8K;(_MZ/6GI08@N-
G#^'AWXT>2J(@+!K*WI!18L7+QJS3;4XFBFQE5J#WY[@62AJZ0
M[,:]N\2J2WF)7:$TZ[W#KH2;?-07J]3&<'OBGUV6A) M@="(3O-&8Q1!HC#
[YE6VLO:$_9JT=YB--P'J(^DW791?5\FM /K+C"'HBY3
M6AR&D$Y(W/HD^EP9>4/GQ\GJ72,KDM^B7]$KMGO7<7/P7KGJHW)B%XPPH(C$
MG2>Z -9&Y(E&'Z7)Y0I*KT!=$3+T/8UC06X?N5;KXFU@KWJN&NUA
M"9HTTELI%012[KPECW99E(2#2UKHX)'GVJCI2%H#6-H? #O4!NZKC<9 =MOV
MZ79[#M$8+X0O/7V0 >\<..<]&$\Y_I\;%?N\[;-&SM"Q9E]@.D3J#0#HL6=7 M)#3B-G"MF
/I;&E4K%T!%^-8@<*. &(/(/ M-QN7,Y-[!D(YH0LL
>.B3$Y!"VBUC^5>D=>$$QY4[0/U)T0,'8]7 \AAXFT M'_>$I^!QOS49M/!H^ZQ'8"=7"JY]:?
0A5R?]E@O1AKV(E8?L=%.XFRL8<:M MX]0:&' ^N;^/R%6(UF@/Q$5;3EXE&*
<"!.)IRXPL$G(%+1'3FH7/6RFI!-\>FN6WIM3 MNY>@&X#+PT5P-
Z_DCAF7,\9L&""6ZGT0Q%DPH9S\85PG,,##CVLG*)\EJ!-X
M>NN4WI/M.4SL#6!H+9=T[A=N/$GQP^3=G^&;FURD]]/9YDOW6AF9RAQF+B6Z
M<#R5&16"029$I0L<:QV@]F]B>V$O=XZIE?$WG'4=2*XW-:%+9/D0W :9"Z5
M/(9Z\"$KD+CV?,*MGZW/^CL*,@_ICD=[ZZU^9'#6T%D#\'RXQOZ9"M\IGOU
MUB[2YU1*?&\Y+&D1.LHTXQJC&I0KU_1+&RZG; :JI,'EES'VK1TU[D9A-Q"> MPKE;CYII
'>/ET\'_J@73 21P#.BR^PQC("$04X=4=9)';R.O<8.M;!W>KGR MRMII 'W/K*W?QO-
0YDN5F2VKT775>;^"OGE,23!!$7$8BH%/)7JL9L5E1SAW+N]PBP M%O9.(;O?
JW9.IVG1V^G5U7BQ3 *X27P[G121I$DXK."NPU-[JK7;E9]*978/ M7GNV_EK$TN5T?
CU+=[BU*DFM18#,F"_NFP.;3&DT0(AR*G%I:R_TG0@\V/(M MOJ79@S?
>W.SB.D9"L@!M$L;RC&DPS#G(7AI'A7-65+^&M(F080NL^D/*$PMW ML!8&
[H#SMIC@-$.Y+G[^X:YNNKU0PUD.FD"0Y7 DY5+IDPEP$;3PV25F._4,
M>Z'YS:9W#PN<"NJ<5I3MP-CXG+Y?S\(WW+K/+F8IW4S#>\S2ZM:R"9'S$ E8
M%E!"T63 K5H#M\1Y7%76NTY5,R\ IC-!PS71.5SGT[X5,'0WI??C'R7?]Z_Y
M[^/);3\$Z="_0SL,*M'2IU=BN&NUAVC1ZXQ&L&3L2P[1MH]#>M*,RA
MP?!V.O/CR7L75O:+?XQG%^/)V!5@BQ4/2@=#;"RM15_'T#BFLG4U(D MA=
)%EM>,$SAY9%P44.H0WLDY:QHN:5FPZ-4I(P+)+P4N0"\GCN'WAL%7;=?W2_:38@NIO-
SA&HC*>0LKDTC>4%E3]ZZ*)1&,,A#9%A;0R!ENJ!*(M?QL[Y?%>4OS#EP[H'M90_-
[R&]KM^SH;7URDV7AR\>X'"NHF=G:96D,D]9U-O4Z\BO,:4O_)V1=!&"0Q3@ECV*RO5
M/SHD<(E[$4F9QDGW4?^0>:(ZZGI&]WO(;FCM_Y8NQS^0@S3_,'D_GLT7__L:
MXYXT0T7*6WMH.5.9EE/IXO]D7"-&V-A)2QL5&LGLNT'AY7>U@XM]5#GM3ZX-
M'/E_3LMA-Y]*6/QUYB9S%^YZ Y>=3NOJ68*& M/12KIO9N<-I#!T-O7E_'D^OKJ[_-
IM??/WY\>]OB.4C"BS$-M/20RBH#LB,A M)XJK3NO([8LU'EN?
WB0B]M'=W_[X>+W[^GA;?IO'#Y$>: M+TWPTT]3NCLCE($&0B1&9P&7D["XN1MC,S

JRN4S0DGJU&SSA3CW$!J'O65< M-P=Z-%T-C,EM?-
P>)I!,B'8"B"_S45W&M9K0%61)1V,2YS)UJA=Z 77/4S%< MGNUX)CVHI(F-*
S[&F$D1/0%G2\6HR0Z\HAQLU$IJ(863[L0VOMIJ>W'7VT6& M#;C3Z[;YXUUO3AJ9C-
D8D$&: DH(M8NY_.5F&[7%0/QZK*
M(_6A;3Q4AR)#H;6IK5X9+RE&!Y1:TMTFCS+Z97:79_ZSQ$*BB1Z-*
>KTJ:.T(!"BAJXR@Z98E[(VCTLGB6HK5QR M'5M33P-#&YPRYW0QNUYFP6ZY>C=?
C]*FJRT,YN/-+,I\)3!T-)!B*(S;THU M)I72$$6S3*)K1>M+*
[VHK3U/!\%06[]!H^3A&V:3XMVLW MAZ),8F,:PSXF2SJ=4.9Y.X)&A%R-.[K-[A1FB4
RL(;H.>2_"F M1&DJBV!RF0#0Z>;F#@;C0)(/-9NKUZR:U#]^VVHHVGTO TJ"13$
-26&32 M9Y("LYZZJ)2/W<[8=I#.#N0-FXPZ)O+6C7%?.FQ@5W_,VHJ9D=&V-%KQP#PO*
*M$ZNDPYU&:'"2E>2^Y4+47J8;"1D653>2P_&64;25*6098&*
M_=ND!1AK'.A(90Y&4MP_30P(.$!!_>G2G?"DHH3EYV'0!@K M'3(4._+<#:I$2!80#>1YG*
-H&W>&&],7KZ:D!.[=DIA3K3/#WQFG^I!)"IFA8J3FW> M'U0?*
*4"F3BS*R?"6MM'CW9[B\CLCAWZ;3^)_QY>4H&I&)<1RE1#%.I<*"=8J#*
M+\/T@K0YYTXWWW? 5A>Z&JANZ 5BU74R=#186KW\EGZDR^GWFZXR||4(?40I
*M?,+PU6CT35FI+ W&@$[*2+64:LP5)&2H($9^ H?A5<\H$R0664G8#1\84-E"K4!TL?*
*PAX: M0&4!?$[ATMT2MT4:3SF9D_>D-5"KT M8T<.$N/0.-@HEYL<&"^&S\8 65(*0B,'-*
BL%EDF;)'KU%O?]V1W+/46Y_GV)R,C+3.&.2@7RT%8GL '$P&];AHI(UFX;F<7 M+
[]KV,AFB-Q?'TIX/052?[A923K\2#T60SUYQT"%3_SVDB1DR&44)\84,(1 MXDHDL,H;X+(,
(W%H077MF6D#%SG=WU/>TGIA_N;GHY\L[Q:JLBS+)$>F63F! MTK@9.!F!LF E1AZ>Y-
K=3[DEAHV96A0H^#(22$B MVTW9U+1DE JI27(GT1*C-^@>*
3ZU6F;LHLNV6V9P0Q0),D&.6H(0)?>KC2D3 MTH(7-
CBA0@54OLJ6&3NAH'O+C%U4,G0"Y7^-+[!]&?_O%OV=I^-YVF^NL*R M:OU@?6#H8Q-*
*0?)D-F[$@G<^2*N^LZ-8^XZ4W-=M*8R=U3ON2[=! V=@7 M1'BC)4H*
*.&,11)E:Y34/0)"OX*U6W'<+@_?NK=)+V^.^ '&P#!M(JGV88/26 MOJ*
BEG';Q_(/;MOO92NLH\D Y5G'82E./$!JNHKWY+^1ERAJTZ.)XS M5%LS[8+LMJ,?
K@SJRQQ.KG#]$2_!,NJ!!IYT<#;K7/O>S+,$#>MU5U-[-SCM MH8,&
%6BZ?/\Q5W>S1]BQ(H<0TE#6P;""0I>F0@FZTAMTE%$5QE$3XAH$CC[M/A))X5#I-T*
7+:8[(]W=WV1%Q5S&4,LRTRS; B8F)$?GJ@AADJG:]^8>HFF M8<\)CK_=5=51
*YC;'+_.1\:Y;%(,$*U &YY"&926% 033?*6R2=5#0=#;0LI M37;YW5/?*
T_K";Q9#Y_^9X!N^C;^O6E&XBS321 0MLP)+M0(1=2[58@HR,49H
*MFZP3M956J"2*ZHMY9 M7PXGE"@5!B'7[I;7B;!A]\Y>$5=?,:_G*'V]K\9]$Y8C-*
AIY^M)&NHR\((U& M3M^ET$)DZB S=!Q%X Q\UACB!L,RI9HI5?
*NJ7C.G[UM6\XUO;2*7E#,4#!6^ M5,]H#AGO#- AJ$TQ&L M*2UAD*
\GHZ2$UT[ZO4!2X_[5GDC8=".FDEI:0-FCK@=W'=)77-V=)Y{GNR3#
*MI^E\7'3ZKJ0,YN4R^\?Q?#&*0FCII0=.*,I4,@O6I@#$L" 4_@3WB]IPK$1[M*
QU2:@'JV9X61])N\Z@>QB:Y-L !M5B-%P&6WMS/7S%#70 M4V40!.ZDB09PM>S7^,G]+&
*[++0LI<(T.K(%H2CX_*-Q,C,(@RF6="7X8JF;>WYRY;T 8M*QI4#=XG*
M"CRAV34Q249J5Z"\1%,#K59Z E15;0S:Z^G^BO]34=U<\L>58:)P!&3V:%]U
M$&&6R5@1GF2^MJWR@:\!ZKF_"EK"D-61;+A@& M_,,0H8!XQP6S)D3FCQ-$-
M"2I2\7J(+L6VFR^H"-#9TFHE0I"N6 9\:,:L(C1",RNB(1EK|
*M"PH!68E)B$BK7\%ZD:BV4A7'1N-.*FFB#^S6:.=A0R>O46K.Y3+M3('('!W9*
*MAJ*ZE1&6O5%=-**+H::/9 TKH-NI:2N947M_JZ.$!J+133,VN;31&AL@+4<[2VG :._ .95R*
MQ"^)K7T+=-^)ID>XNM=KO'FH^%_CM8.WW]SD(HTG6S?VH]Q#Z$S%X!<3]I-7
M(S<5HDLZ^VC "XN.F0H2'%,4-(G6<\)_6T[S+L@LC. ML4A%W3;@@VYEP/L>YJ-
*I_'+PLT6_<+L@=?TX<;QCB.J,G&))C#H'H$@'.7F' 6J@V!" M4(YB/1;R-M W;+JO*3*
>JKV6#>!9"+-TDU)?CH4<1<4B"YD!_NEO>B48ECU(MH76D.2N3CI817"=NV
*BK*4P>I+>6 ?E@L7U)B\4EKC5F+>-6>["Z7-;,RZE^ MFD'(WGD5# JS=JW"#N0-*
FX%L"I0'ZFYW6-H;6$[216F]\+5_='Y:>@RX"\S M.=%OZ>;OD30IDI@=9&-B.8 D8),.P)6-*
B6AA<$T>"Z&;21PVN]D42BOHL&4#
*M.G(Z)!%Y&>V3$@@J+5BC)'CI8B3"FR!J3S(X+*3IK;BK*=CMI)<#0YIWDWB<*
*M^F7++/&1&S"TM*8T1*"A%P$(]{B4-&=!'LWP-7&EHLEDSC[::MG$/3R^RIE& M7$L.=*
(YHMGTJW=^=6S9T#HP+Z=>GCOX"%0Q-HG!?K36 Q/O#M3?7_$DS>=G
MX=_7XYMBM/F;GP^^N[G9S+6BWA@&E/G2<3"6&7N>0TS)28$O4++VR?:N- X;
MMPR)T%ZUV0!:-W"U;/-A>!9&Y@B:ENLM0D1P)" ;4@KN.-6A>B^I+:2T#@[0V;22 (=6?
AE;+59T1RTU$>4.E"J1"7J X!D&X-%EKH(+ MRM/N0[_%D)-GCJ#T?077P#:R-
JW@C;LL=45?OJ6T0)?O+,:EH-SEO<>'^S%^ M\WTZ=Y?+SE+E".
[R.HXG%^5WII/%>'=XJ1^'[?OI855FKH8O0.>C,1 %V-< MAX$%&&YRYEJ;*

*[&I/ASX.9ZW<:3N"X]0@5!I80#LQ^*"IFW"&*RLUQ,*WC9VGZD-C5.I0G438\/@<%] S>;?*
W.7EV6K6^UTDD>= MK46B#2T3UC(#0S6#[!FC9;N4KML(PZ?/'KC^[QCZG-
83;FM6\.VEF_'>?Q@ M8A8/R=%(++CD!$98S(%1Q
!ZP%F0I!R+L4]K]Y2D5BX''&'CK]F]=1-1#9FT0R'0'5Y[Z,U@-U\@Q8_*
MO_E91J_],5ULW@ANXS_#/1.T=!"QR"M+%GQ@&FB(5@9IO7:F3^SM2&^SL-P'
*M.L\!LT\]-H#9#=O(Q]O[949+%[S6X+75R(NBX#3N)5+Y@+X*U=36MH?/T3/L M0=?*
*0APW[J:4!B.U4CFT=>JG>"[TH2]L/:Y;831DQR//1N60:L^/J5Y,?\S\ M\YZH.*1B?*
A<5G0C\;HM<:1#.%9,=(D?6HDFE29@#9BUA"B,SPH= WRX%RL?,
M@Q\/?/LHZ(1N"^FX5_?II>HP/G-I>]#+AIO?5A?]X6[45_IVN_-&^[*1XQ/*
M7'A@9P1;L)'=+' ME]O\,F.H;%S*&Z?18J>PBZ ;!*
M2>CQI_A;\HO;&5"41AL9@2RT:X_!ZMR!J]8C$HGSF7U#6F=B)9@LH]>US>C M@X3<*
$K>3J^NII.EH5TQH"BUMEST5\GPPD "YTT R2FS,AH=8NV[)$^(`MJHZ2PX3<
*$J^XN^=Y[/9K'0,*F'>TL)ZGGG $!$29^C%)4W BQ2 9J)#)@F#*
*MNMK>^T9"6JG&J>NN'"[S!H#S@/SYV23^,9VX^T\>C&>_S;_SZ!+Q*H-CV8*@ M08-*
G2D&21$1%)$^T=L78CB0.NX%5 ,5Z_J9'#0U=OK+CIH
*%!K/*S<)QI4(H0PY7VL7J;J/V"M9XS MRPZN.2GVW*02U7I""W ^CLFD-*
*^0T=WGZ=C2\NTFP\N7CWXS85D+FP M-CL!R*T$$9T!BQ])CEH&0*7O-*
O5W0T/'[9Y66T+7T6$C4%@Y?W(0*WATD-, M D$<3+F(K!
($IY()+'#FS3X@&#)$J.N9W2_A^R&UOXYN,NSJ^GU77[% M"HZ"B)]7?*
13A=4<')6Z^+^*T"QYR-WN<&]Z>CNZWT==TYJR&UKY]Y<@S[^7
MOUNARD!:V8+S>E%5@O2NY-"R8,25343C2] M3-7 R.O-RL
*8%IK.0*4@2F:A=T=2)L(&K)@\'P),# MW=K::!=B7[ZAD.?*
W7'&98K0R@W1)8("1$CB!8F3&4ZMU]D\:J/2%L37!BZZ M/!;(#M%'"RA[X"E[4#?L-*
4J/2"N+]VT@+O"R?9.*21UT[E0"S0(#**B&1PE#$TSE*9 MI*
W+NG:%^/W;ASUF[@$S^\FU 41\FDU#2G'^'J54 %ZNFI[G!]43(R9I8C1&
*M,"XAQ"5*R%D,7IQ4WEOB0UKO(WLP4%XD:MA#K/KXJ:N%H9/:#RSHUS2[.L^W*
M5:0W>_?(4.4S_@?9!UPBF>8RMX6#"M1':YQ,ZT-UMM7K/O^B81.6]5!27:@-
MV)T'V'ZXNXZ4=3P;'H"R4O/E?0;CG0(B29EE03S3/=;"/21EV#Q ?1M30^(- M .?!.G@[GY+
(M:[=/VHG 3B SIP.R_K2S-_1^I)F?ULP.?$[?;TWO;'HQ?4\GM8FQZ=KWX M-
IV5T2OWOW-S-$U'+'O!E$M I64@N'!@$]4@14Q:4BN8Z24KM1>UG6!I3PB6
*MQ]%;"^;Q,:<;DB:CY*P+&GU'RZ4IN1()5J:E9VD%-X+9ZJ-K7J:J6W*4G"SD M#E7$T#*
[]Y[2Y]]W=V0\\)Y-;[E'4+UNG>/5AF2Y"-)7.CB!O^ M=YG$?M.G=IH?_L9J^/NA;=\.?W.?/>*
(JRZ520[G[1#GCU[].5V6 M6>3+N89+R/T"_B?
W\^8]&TC,IJ#U$1FX,Z56$)9Q'%@8)WA+#NI@JUM/ ZC*
MN&+#NO.)TI]>%'\S<_[WUG1<58&,]^4%"C!@K=H3;@K+DB@%(Q>SDTBPN6D*
M<7NIW=R_&O&#]I\^%F:?:9YW1/4WX#[<4(Z_?#/W) MHQ>$7POFL_6=+L;MTF;D(0'---
@])@C6&X_LK9$&X+2_X.[9GL1/EV[R8), M9R1GA3),*J$,N$<9:&/ A^@M5=1G7SW/TP,?*
*WAT_&!&M2!D)T &%H.:.. 'A0UA%DM,8*L[35M)&1@,SHX/J:UE=4 MXC#$S-/9U:#J\EV$S**
MP.WF6D-=#84U<4+S#@/UZ<^4EHOG49&\H4$8&Q5X70I1 WHXAF4#TGL9 E-6
M5Y_:N)68@3L\M8:^.DIKP.Z]-EM@KW/]'%O2 JYW'U,Y2HD4V!DM$"TEMGI MS(BH'I$?*
3'4SS3L'#(6.K/L&T+[&*:XF?55XG!DE#/,!MQ#O$PES6R1*ZT@ M>"*
*(9]4D)4]O1[$99XYYG9;RL1^[UE5?1 1C\E.#ODUD*TXM)*0IX^!LEK]?C*
M$4&7UPYT/K"S1-HX' B9R403
W0C4CDA19=$U@,2S,M2A#T8ZM:'ZZW"'@1\SV=SBPB_I;\$8>Y0Q3"-H2
MRX!ZB<0;KL&KS $_CJ6R55-=.]H[E8<#.X'@V<.!7332)SZ"9=LBGCMBI2,W-*
P$PY(@\!10HJWUD]=H/!W:"U5$.!W;0<0,XWYQO-C0;;PT%XLOQ M=&!(?
U8:+!&:>1VTT+4[6?\RAP.[X/3X< NRFH <=MRSP$;T?7C2Q=-17-/J$?E?*
MAP,50J$CZ[X!M-\MVS3[,5YM'$\$\,=T\@-=FG1C.^9?IPMWN9Y;_&.Z^)\R
*MG/PV]WC_1)M_=+[XEF9?O[G)C6V8CQ3E:%0X@VS+\$:2+;A2.*2]D2;%S,-]*
M]7YM6WYL9AOWCRNC>MO.T#3$7O-:O+G.]GXZ6WU4?H^.4J+2E1$_VK.,\4AT
*MX,N<<&.ED<%B?,)K7S \+H>-QP=@Y/$59^K_5K."6F(N XIQG39X!(E M*H/)04(LS?*
*>"H)J2ZA?*_SHGW!&S_9T3[J+^!IRAQ\<'5CLG/-$0HQ,@J'"%@*
MA6,@&,F"96^X@F?/"7?12 -PZB5?1H0P)-#2P9M16+;(<4R6 M0RU)7I,)#
[5/M#^5+."Q&.WI^D3@E)?ZY.$UFR M(^O^E-&^_.,?& /?=5REH\QU3@I-!?
=GFH7QO)B??Z;QQ;=R)H^QBKM(=^VO MWTXGR_.D:W=91DO0D2-
2DS)=1#B#+I7P$;RF&;=:KXQ4D7O52P^"X[+9>.[F M"$NJ85BULO+VT=![-
YXMIR">S>?75[?R^IY/O:W\8]Q3)/XV2W22&7JC> 4 MK$\2A*(>7$(7E$3F5$@^,%:*
[YJ!WIAK/2C6Z4?4"F5->0RLS\S?\Q<7\PV0U MY$ASY1R)$311

D1IB&:BE"5<4RGFI$DRK2R8C1P,._CN5%?'X6 X]>)"^|
*<:!V)+O(H8T*0X&1/BDAOV".@$@(58/^$(B89$&K MS::V\7HM%8:XJ*PQTQVU^%X2[J*
*M;\#I>5QX1*AF-DD/@1&%(F0.G#4&E(U!X585J*D]/_555ACN!()G*PQWT4@#*
*M<.KEI)TF1[53"H+5&$>DQ,!:GE"X$7VJQ*3CM2_;O_8*PYU@=8P*PUUTW #. M-*
*Q>MX>^9:*T&+E($(6@"[QP'##=8%B%:;VKG2'Z5"L.=\-&IPG 7936 N KQ ML*
*F:.,8D,&TQ""5.%!E&D#1J$S7APOUU([]%E^#(NC]EM+_[}S5&UA\FN.*O*
*MEUI9OP]]=]OS_3R\OUT5O[1R+-$I/*\S)7&^$&A5;")*S#.451.3C[6+I4\ M+H>-*
[PB5\5MK^?0/IE]CJ?UQO=QQ>9+.61\P0/<41"[Y6.,D$*]\\MPE$VT' MET=C[D07V!$0?
OS%N ?<]EZ'WV^&)"_<;-'X:EP[D0C$T!R< 1I+TJERZSP M%" '+@7U 4/"H[?*
WK,3;B19+O:U> #87O66^(^E_N[DPJ/VBJD(I9@+1+ 9 M2C4P1,4X35ICA%#]K.!(O)UH;*
*<5K6H0'@&WW16AO%N$D792SFL:7(>HMI_%# MX9B@>"8^ B$E(1JL!Y>3 RZ-BI0*IJJ?*
*#CXB>R=:RO&:%N-AD#MT/7X]@;UQ MW7]/""60%(%2(E-J9CQ88QD**6N.*
*[KSPI)F*PU["1?G7@FP4;@>&B^\FK6^0 M=\)9*YA>^O6_H46Y*P)]J&A!8];9!K">"A*
Z19>X/CJXXZNXMO) SU/M(,4;A2&& B^-(R%A5O5$Y&H^1>X1)^]>G;
M_A9.@T9@)Q3_3K'H3LR?Z([M^"]E"?K$\ZMV!!YG!%\6G!
[!94M1XEOA59!MLB0Y1;@\G;J- M73A_]6GS5V ">D/RJU[_.\125BK+@M-*
*N8]WL)]_X4!7L'>00ALWL)5VE&L1 M@)(@<<61C.$J+D#*D\#U9WVRM7,PK^4&-*
DD2]W>/V[JS'$57>O3FA.%^XEQ; MGK/AU7>LOVY@[XC9_FY@[Z+^!IR\QQ)]6
ED,X$64":U/$W592A5PH M7KU&_E7>P-X)!,_>P-Y%(PW
J9?;E\H92Z4J_I[#N$FB"^62%1"%-XK&)&,X
*M>@QPXC>P=X+5,6Y@[Z+C!G"^;7R#=DFB,R\@"VM*RTP+IG3I)\;1+ S5A-*
"2,=YVWLHK !<5?BH-'7V?CB H.\R<6['T5<92$+K[-.P90! M(1X$]QZ_EHN/^^S&U<1>&.
62TCC41J;24XFW$9
M49)0$EY#I(D3$ZF)P>T#F2%WN3KJ>D;W>\AN:.U_F,^O4_S[]^EDU=?Y/'_Z
*M\O=;PY>T%RS+"#)G!X)1E(GU%&3(T5%#;/"Y$PJ>?4T[:-A'@=->I-F ^U*A*
M5),J&SU#>ZJM$""$,NA!&@,]OTN'#? MZ%R0 A=_N?Z=G, MQP3PWF3F>5+<-#,WY-*
*=LY[$3?H=MY[$+F)J81'F*S.E MNW+$?1<2(^$F)O0D8>B&QC$H9E&1G89XM;7.?*
L&&'CMA?+ ;6KO [9>KZAXY MGFPF,0!]TJ!'PDJ+\2101(:7]7-
<<'(]^30EN2[V9,XXDK3#89:>S(_["#3W:7(0'@.U7:"#PM,5"C$FCPY A
*MQM((GF548PH*8H@Y&6JL8J<3"/[:73W:7)&'0>Z5=]E9]]^5"=8(I8$FCTZ#*
*MS0D<,1]$<=QP*IATS20L_VKH<7)K\1"X_=708V/9M^$*ZDMD.@S"BX[\,PP*
*M,*CS;+RQ-+S&;@"OJ:%'XYG6WN#XJJ/.'2X^)"6TEYI!C@YM'U,4;/84N&#)*
M:1V$L.P5+N%7G[[M;^$T: 1V0O$OE_I]67R,2"JY<\ =FG[A"_-USPH9X3@*
MV7'A3J@3SZ_:$=BU 8+E1GCK26EM:$%0AW:48W24C&&2,JD/S+<*
*.\53PRL6<$@3K$HAH##AG)?!R*TTG12+Y9;,"IYRE M?*
P6KOR<4MY3A]R_+S>\LM[.+B]GR6/##9#$;3^;CL!32^?5BOG"3.)YJ,-?,7=_"D![U?'Y
Z&LF;// MJ=R&PL_?3B?+[AG7[O)KFJ'6,]'XR>_,> M CA1%[WU([>^H5AM'0_5,>OZZLK-?
D[SC;S.PF+\ R5:OU'6\^\Y;G^L'7AN MI"U6]E)FKR"JB#L+U0I]5J6 4T.M(('QZ@G,U]
*(6*W&95.8>&*Y:C)0E Z]Y M!*H]3[JTP"75]Y6_VF+MB-G^VF+MHOX&?++'W7(4$9$3'*
+=".%T!BJZL@A M9"ML0&$F4GO9O\JV6#N!X-FV6+MHI $X[2^X9]KA!
(O+FN54^M\D$%H1,-Y: M7-VA%-];+N+1;WN<>%NLG6!UC+98N^BX
9R_0\=T^C.EI;]WX]6M&F1(KRPK M4_A8B
R$D@%LPC]X2#HFE"\UJ3)8MQ+3>'56[SB9]J&T!M!7(7@V@A+"HH 8 MD$_A &''A+$7.*
[W:EVFIK:2_?BX4U>3$^C3=8A[<&3=GS+:GV9D'AW+*$=U
M5!JX8Q@NA'(B8]"F>&:4X)0$SILIUGN6D\:M?&4\UEH.]<#QNI;(ZE8/35)0
*M%A(8GDLC?\+ 6:& ^LPMM+GR%#D''(JY5$IX7KV MA@ /E&1*LTZTF3&^V]DXT7**
=DW_H5!Y%>OEJ<<8N-$RV@R6)(,BX*@-SPAZ MC$)R3FP@JIG^:0<%%NW5M[:
[5@Z#24LUIW6$L%8Y=+OA?IJ-P[*T.*]TYGA, M7*G2U9M1$")
(<#PS8%H)8T7(+K46=>S.Y8D&)'#+,B=X'8ZF;6M!V-=;J@_M%E#PCD6#S@%E-
I0!%Q(LM1P"\XS1&"QC^=CKL1Y[)[KI-;HF!X+=>R.+XGF MEOMNTG$Y&A)(*
.T=0>DDA@X\1U>'B2P9X5+HU]XK,KAJ\D:GL2Z[ ]\KV-I M/LDP/2L?*
*935QT4B0R3M4I8S@G2LU@"1F3C1AQY\C49G'5Y/%/)'EV1\ 3V&! M5G+U Q&!*2:!)*
(%VBT@+AF0%7B83O!:HPMK#J%N+$\A4=K$4=8()NNO*=32+ZU2F4:3#3\M&&]DL5I$:*
@PM>O1$&9FCTJJU M3:LK;R?J,.:QA_4"H%>PL%;^;[E[>=?EM.E8YX()8;%:!T%<6]/@LP
M5GJ0''US9X/LJ6RR">Z[+=?V2IW;V!P'0N$K6+_;H^7M(I+"4AHRAR"% B%3 M
!,R!9F3%2[+&0OU5K'9;/BFROT+F-%=DWKDZGV?*
2'"7Z9OKH_T_RV3]VI"75<6E1I2W[W_OLOO7>?> M4GZ4&!?
+!4@N&'@:9DPQ)Q6G.>@56V?Y!ER#MTLUB7])DU2'B]&E-$L:,' MGS4NO)0EV-*

([(>B4L^"4>M<;EX])&?;"5RTDK!O3&G(_]-+]UWH=1F\7YQU; M98D6:SZ>7-*
=/_^>5J6W(Q*10QH#:&2U@=6=NF$O M,O6%M9ZTILI4|>U_|N^3P'1]@ O:)16J[*
X!6I@Z0APP9M[$P++G>(HYV1 =:%V:WUB/ M.*
[+,.!KC"P(GYY$1\T4YL>_@P&*BD]VJ?'D/70(%J3TWVF*
M+5BB2^$J2)W18=>4@R&5!:NU!,:BR$D*HVWMFOC*0?!1K,Z>4-@__-U%+Z<3_O[N9O-*
O M[O+R=Q3G 6'OIL?T%.Z^2'&E,/?-]1S?,)^_G5[Y|>0&XY-X-I^GQ5GX]_5X*
M/EY^=!LBZ40,G_S M|\%W-T8?4:+0|%N@CI0>H0:-?D+9<,J??IW-W^;?*
9]/H[1KB7UZ6VL9SOW 2X*=[%MQCRSL=Q]S|^!(%E^;G*
M>0>FT:-0+BFJP0:"UIXAL|9P"3EK0C)QU-%0&:+[TC]L]>P-HD=170,0_1LZ*
M*A^G|_GYY(LKF]#YXEN:+:/T^0@C\4R-#NADH$LK9%)@=): FX^0-'HK0NTV*
ML<^0,VS?K-Z 5DL!>V/I1YKY:9V\[/+I\Q3^ZV+ZX[]3B#/9O?*
L&.*=F_B#TS)XJM68]^OEJ^X]TOW%/W&0/70O/6V41"-:*BO^[60> M9_74M/;*
(07H8[FW]GLJB$47]K^E_[NFK:P&W/'J0QGA[*>YYV0RLP+L]=7R5 MXOOIK%R|^X>*
[/'BY/??<01JU[:2Z#E)I8>'-WZ*;G+Y.[\@M>Y/)L_1%%KCQHV*'M>YM.7*
M!##T4KJ\O*=KOCK!/&@1;7K@8!K:(O-I-P$TD F]6?_XRR\LFGW2FH^?/6RP*
MW&D5/2N4!I2U_U"<>XXF\=.EF_SAKFZ+2^KJO!<2!ST/W R&:N.*7M9, \![*
M=_7]HMWU\O671-T '):TG7W'UX?Q M4A2?2W^7^9>SSU]Z@<7+[VM[(FE%>'06?*
0,P^9SFB]FX-.-:4MT+-#:_H^UA M0Q7A|*R(JX; 90WM?TJS/)U=EB@O9#X]TF<7?*
Z\^)+"]6Q9$71VM3A<;QN?*
M.DRCVMVU]IQ(6E#9NS]GX:9U_<%ZNG_4,&U)=U?.$^9;T,AR>/MO;I'>N_'L*
MIBOSP:K9\,QA&E7NKJ/MXAA868]7]L_?_[580NGMM\G%IW"8V7OAT9U4-VQQ M0C?*
A#']!>G,MV[O9\L2PIR*\IT^O4H#W M$5BN\^IS#]D68_S_.3=ST!PUZX M[_2"*
Y;LZJFWKSG\>&[C P<[6=A%/P\7ZW-B&=C(EF 5;7\)=LH>OH="?=_#&=_)&F-*
93R^$G#E1H\)^OI M"XPWM*\D?.35JO-&L:_5-I@G#Q[,J.WK&701T]*
F[^)BL6+JX&S3XT<-5@*^ MK[8VBV)@_=P2-'&7/^?C>9WJQJT/':P<_$#?*
>ZMX!M;>E\6_/LW"^>SK?/9N MOAA?*
N9O#Y7KW9#J]8+!:\7VUNHO8!M;PX^EDM4SI]J<.5CR^KRY?%% [&^ ?*
MT\7_I+N=.M6ZR-'E!8/5DE?8+%\4V\ :?*
H\/G4[2+:MTU<<8^9SDZ2PL7>M#C>TN[QGLL+N2AKL(L4&U_V,\O5R*^3S_*
MK^E5>CN]GBQF/S^Z__2A^V=?-MS!>4T$=)%G@S! CO]][2['>1Q6U']U?ZX&*
M.QU<++'7"X<[JJ\)AZYR;0L2:,8NW61%\(>K[Z6_*S*P;*?SLX[OMM\;AZL- MJ*
2*W23;3@16T\5[YK'#%1!4",+:]/4V$%@YCEY_;"EE T*3-,<*
MX\+/:=FH].XTL(I1WN$UG93<5.IK=QFV6@7TZ4=?%4"/GURE^N<98BM4_GQR M/_\Q?*
U V7KOPI\OS#UC7*)S#:WWN'C+8@>L.6GBX(M>Y'_I Z,\4KLNPE;=H M)BZFLY\'EXYL?*
N)P:EJ7][0C\T,GDB\OU\D;=[B"TZF(9/N#AZN^>E85T]WD*
M,K#J/J5I!3W=/V7(FI*793U]AO'ABWR0I#^JJ&/]6<-U0]A1*5N$\%>MXC%W*
MFK_J$_^J3]Q--_'_?)TNX_%#E\?C)PU61O7"'_?K]FF[>LD5DI5:6]!+:O4CR$.-*
))Q>&W#UG_.T &*
MP7$<^]#=I'Z9IDUZ?/<\]G$Y^^P0W[%%6:UTW;4DE'C.S.)]VJ[7^[J5TF*^ MX)-*
CC9\P5\DA&:#1\/,U+H4]P#H(R"[M=FXJ)YV^8W20.HZ03$SNT 1?61@ M?_Q
ZQ2MT7466A_[51@51%2:20DN5!L3;SU%:-5!"':5[G_]-OHEF;(F DCE MPL.*
[8STH['DHH"+.E=.1(>/@U?$\,KG4_&=RD#/';G_G?&4RJ,>-U.S2!>@5*
M&C8<7I/F0,T',X@L_8N\%6QBK[N8+ALG[J2PAM_L)'N1=B^=B=5(L)]BIS0# MF*
#1@])8^L/TK>#(1IXK]O/J7ASL;UO:]L.E%DI*;+@QO393V#&S> 9T?T MH&AMGN Q)*
(IL[&/,1\/W]@IV^;NY#WP3SFK?;BK!U%B:OT#-'" 3T!I+8>81 MK!#(LVJ\8TQ-*
Y52_REMCH9JQJ6B\>=#VWW^IQR7/K5MSS2U!]FD?J"D%,3Y: MX$P&SUOK1*
M\4)@G);!?&''S**0=[+:;NZ5V@(JZL-%RWUCXV@_1]@1]=5>UL\:0Z%4].&B M99RQT;6?*
(_2U6,TKG7&(]KTV%MHM*=%KSLD%OD*C7&|SSM]F6OA!COM/!*
[H'^U68+&Q$Q3OAI+8 M++.''D+JU9:=1 A($5W8>->+*
&CI(8M"'*&U,!0^HGD$BYXZC$_FQLA9EG5?^(U$^S MO5;F ##JM M0*F8Y:<&O?)_#/[P*
O9A!RE)J9052!:BI,<'R9O$_4>E?.>U8EY[/\<.$I%* M ?$S!(+DH%*!\MV#?4VH3*>@0DF*
LO2"]*!2,/*11*_""O MFIT"!0E$J,8+TH%2#:3E/XYAWLAQ#SZM^IE0F(7A,M1)W*
M)G$YN5"[+>AL&Z)QJ/WR0B)0*(.&4H?\NL=+:E?$O'S_O_GH'M?W,.S*">*
$I5D1YRT$\0_.W^@CLJX,8,DHY2 M&:2''*JO#]P+51HRYS*K7YZ4TIZ;MJ\JM"H B4\1>*
(8!>9<@U V 1PHNAKJ8 M%I&7_7;"IE2@&[CO]B6;].<)G("(-*
^'V:7%6<_:0@;U3T)B6W$O:@D+3QLNV M4Q5"W:4CSAVQ!.:ZW&Y@ EIY;L[M)>3]YG6L-*
?1^"_O[+>S#*EI:\GDAUVJZ MG$MFYA=,-N^!15M#PW*$?F+0,P5K%<3+C>=*
(:/WS0W,XA_M4))F7.CF]/H-" M:X2/%.6, &15'K>|^/1Q\?*

63S6I8M=$%F_!LE21/%R9:D_LPG7HHP2_G7T,S M#RQ:5_LPV?J)(1$:
[ML$TRF(8+@&1Q:1WM,('0102@8SN5::-A8> *)ULL> M'PHO":$5"8$$ZT9%:V-
/BH/D9#M^,,AUN7\4'B@2MA'Q.M=CHF$''R2TNOV] M*26D5"U O+[T&*7<;)
0:KS=&P8@40.%UV4>(TZ; 1*R/!7Y5I:Z+-1HM1KM
MLI(G]S=XYL:!F:SR*VX'GPUSA>W@;C? MX-/A[J8 M(P#[PF[\I$V3 SP[A8;Z]NY')
[)U[-7M?*&AI8FET,S$Q,C R-# Y,S M,3!Q+FAT;>5:77/;N!5]![Z] G6G6
MGJ%D2996L>QXQMVD,WG9[J8[LX\=D+@449,$ X"2U5_?U%9DEZ4J)UNIZ+7Q6Y
M.]'K=;-^,,W*ZGGAQ6@P&HM?C;W3"QG'O?8EW:SE7)_'Y^OSL,EU:M3JYEKI
MA=#J]8E6^?[GU/EGI> MSX)))W'I>C@SI;&S%X/P[XI'>KFL=+F:??
>+KLB)'VDIWIM*UM\E3M:NY\CJ
M/$YT^M\$G:!>>%Q&E:>04^J:UB8,1ZSTV_M"I]J+BV%_^%#C7<.EG<-V;YK9 M):3NJ)
[!UV2_DNX_M=:U$OMZ(]ZW)00/+V1O.#Z59T+62@PGJGLRN? %B7]0 MUEKM-
6:^O<*6<])W&:>AX>7%^-$2"=N 1]%ZG?XXE^M\SI?_=>=,7[2&>\2
M2$G)>O%>NJIUB73T[FX9]\4X4J+OTH':V%7M1)W MM5F6I.:41/-M-%H9[%@;
<"8$2ET#\RO1UMZV!(7!HH%0X0TI*CQ9+4N12X:[
M%:;2(6W"O+T)-67DG+0KGE+).PK9LY'I\)N",MBR#&SF+=@7TVHLAR:*
MK%@6.BN$:_ECNWY)ECHA;$"E70F:9L9?:E_0-=0%A1DN0U4,PIF+K!,B72U
MZX;G&>&+CT281*YK^)##L?59$BC-8-CNC.LZ!^ZEUY"CZZQL05TT9:8@#@;!"-
LYX(^F72%R$NS=&L0 M6)IKYRW3LN0?H][0,MF)I5LKLZ?M\PSGN"]^>6#
[RQ>O1L/IE>L"UE$Q]SD MN<9C\,H[(2T%_\.?.BV)_20(04]+
[0J>SM,J)#V427Z*CYHK>AT!P/(%I]T.+F*<6)>C M-\H?;)1C([;S,5HP@[G^,TM5_$F#?
&H_&XU#F_:54,&=QQMR4 X."A3XV]%+ MF)TSV;KCES!-IH1(=#M%XC6MA0"DVT*
[D,281760PPW!-OUW*<12*4-H.^;= MAB?IZ(4'-:@
NCA3:A6:===>F3BLMK68#=*P/@=1JEM0ZYNR0"2X0?$AYXP@*
M^=".):)!1==96TIF*I@5E-AR/U;$2K); /$M)9X(,L%Z4I])'O]+T$D?0^?H MM-Q#T/$)?320
+Z%5HP/Z4PMF;FD [:X\C-HI%7K)26J:ZU'[%)>*I;1G. M(=8AC!&)#Z;N= Z!(.\[@YK6-
H"1"R4MRXQ508'00\RI1J4J@2:,4,,PY2GH MCR)B &?=@*.^(P!7NB0*]*5)'<$Q\?+IF!XA@
M(?C!QC/8G\ $7"I/AT,SNWF'E)Z16QGG\SB\$(,ME$/0A'M/$Z8$E M.7"#3'TTNU,;1_.2S7?
0%L/65<#3YO2UK.(^K-0*3;=HQ"^RB8)N!',=/J%][S<=&-8D& MQ!OK-B4C_
"1%5QKZ!2&GP HHQ3%EX7]N@]8 IP^MAOH! MS&V=A0//V;?5F=
[B#,B%7B.XW']S)Y]I0C0ZNM]TB$N2=\S?L= &!@\M0GB1 ML#X/?E*,NV8NGGZ>R%2IL-
#1)E$/XJ%K++ $047]3V(1<:@@KJT0$C@E&-,1
MY),GYV^L0*!UO$4=R"V2(X&G*>0S8A5>M71!32*-ZGIAR@4QE]9RWKTQLAT% M4-
649D48718FYKU\ !F$^(L4FOZS8\\W<&.@_$CC*I2LB]?#+\?7$V3>#6Q M9]#!BX'-
V!4&;4"W2=@O#G=W+)>7_?%PPMGHXN#PH#\\./8QL9-!?S"='B7V/*@.
(BUF<_&:W^$IYZ-,WXH-.7B[3UE+1\+Q=]C;_G_[I;3G^(+"53%
M/=^W7(WQH6;@%E\/[B@O7OO;<8&1A]LE\@4:=OZPTL. MW28?O$3O/N.5_GGX4X+_
%!+ P04 " "F-6=9+<<*EE8' 4(&@ M &5X;&EB:70S,3(R,#
(T,#DS,"TQ,'$N:'1MY5IM<]LV$OY^OP+GS*7V#"5+ MLE3%LN,9MTFG^=)KT\
[TXPU(+"74),$ H&3UU_=9@'JQ):5*DVO.N4PBFP*P MV)=GGUT0N9[YLKBYGI%4-
_^X_F>G(UZ9K"FI\B*S)#TIT3A=3<6OBMR=Z'3: M6=^:>FGU=.;%H#<8BE^-O=-S&
<>]]@7=K.138:?CU.1V.I_M,_P5),CVN<7Q;T\J3456=& MO/]D..B.1[6_6FCE9Y-
^K_>ODS#UYCHWE<=^%NOCKU',CC!/][XC"SVM)L&D MD[AT-
9R9PMC)LU[X<\4CG5R6NEA.OOI%E^3$#[00;TTIJZ\2)RO7<61U'B*CQMN'23F&[-
_7D$E*W M5,_@:[*?2?A_N7%\-$2"=N 1]%ZB_XXK?&>9TO_^O.&.YUQIM$_.QE
MIJ7X'E*H2D1&EO6!Y=(_?S9ZW8.N^$8Z6 N[RJ6XJ\RB M(#6E))IOH]'*8,?
*@#,A4.H*F%^*IO*V(2@,%@V$"F](4>+):EF(7#+(UC84 I-MF%!S6H
+HX4V@5FG77I$XK+:UF W2L#X'4*I;4..;LD DN$'Q(>>,("OG0 MCB6B1D7765-
(9BJ8%938<#]6Q$JR70#Q6TH\$62"]:0^DCS^EZ"3/H;.T6FY M@Z#C$_IH(
%\5GT$BK5@$$I+1,=:']DDO$OFT9SB'6 M(8P1B0^F;G4.@2#O6X/JQM:
D0LE+I(S@F/NZOV0$B6 A^ M<+$S2$WC#VMP# O*]6SBMB?
_\T90I*N&*J">HB>@3X@P;_!E1%F!&:(#=P/! M)X"V"(>1O='^ #
[@0F$R')K9W5NLO$=J:9S']_Q" +)=QM4)@LDD[9H%M%&PRD./X ?5KI_E8JR;1@'AC
MW;IDA"\@LL1YUA.]A^-2@Z+$XTI#OR#D%%@!I3BF+/SD-F@%<'K7:*@?P-Q4
M63CPG'U9G>DMSH!> MG+^P H'6\19U(+=(C@2>II#/B%5XU=(&-8DTJJNY*>;$7%K):?
O&R+840&5= MF"5A=#$S,>_E
\@@Q)^DT'2/=/QG\N@K^"SDOO@!%I0IV>?/^E_WKL9)O(?8 MT?X3JWEYE)91IX.>W/?
2WH?.O9V0(GW(=J!M(6M'D]4O5^#ZNI#+B:["IF'1 M51N8U'AOR@E?

A)P>TMR>=D=]D=\4>(M_JG5QNT=2C?MW>>'R4V/.@7)RL%M12\8%G M,JCO1?
\A0124[_K&U'_E'L1)$-D9OA\>%VPQDWKB?<8V6,3CW1,"RK.7RP2
MX96!6)GY9+SV=WCJR3CCVYFF7-QNSM+_CNWA_[M?3G^,[Q10V+Y;E[C6-V,/+SET
*M(7SP'KS]C+?RY^%_ _P!4$L#!!0 (*8U9UE-T>/T> 0 'H8 :*
M97AH:6)I=#,R,3(P,C0P.3,P+3$P<2YH=&WM66U/(S<0_MY?X0:5 RG9[&X2 M0EY
0O1.O2_W G>ZCY5W=Y9U\=J+[0727]^QO1L2N"!ZJ+1102AR\'CFF6?&
MX[&9%Z;DQ_,":';\T_SG7H_*M.Z!&%(JH :R$BMF;@@WS+0EZ37:Z1.9;50 M[(P) [C(?*
*DFU26[IG[>,,/AN-4S[_OO\[XS,D]DMCB>9^R:L.RHP_+#,*9C M2.!@/!X" #V ;'((Z22)AH-*
*Q!+]"'5R*XGZ--@L.1YV2B5X!UOYT& ?C465F M-RPSQ30*PU\Z3O1XGDMAT)*
*["]7[HU3Q09N#6]"AG%V+J7.KXI>UT*KE4TYW0 M_.+Z9LOK 1-/L*
*-.9,E%6^ZF@K=TZ!8[@4U^Q,0$\)S7V\\Y#'J MX4Q ZT(46]!O;PN6,$,&<1"M(UYUG*H+]-*
W(:CI!K2O04^0:U+^$_12483E+ MJ6%2D&U#_ZE6NJ9HU\BMPQX=DJ_!>7 :D'-(+?
N[.]%!.(L&H["[=F ').54(%Z-['6PX+%W77PO2"J%
*(Z2&V8*Y^'GFBKDG2_(&512H7^"O).J)%'8^VR=/5%77?)> MI '9L_*[.X/A[%26%14+-*
]XGN51.U=525840949 9)@7YX#I42:@/+L#S')[M G4)YD[..$HLP6
8:L4,0Z^IR,C;V[2@X@+P["I+IK4%CK]6,L.#CA2@ !'> MX?(N>%A=) V-&G)&=5EK9\X?*
*E),I*RB'-6C.<.N@7S,L1*":J/>N-=U(,X- M31DEOR'U(+ZCY1T3%()MDP^!5=]^@^P=!$*
MH[UL?TGM7;XN<[7A-YH,ADC79&9)? IE4?R?XBSVG#&!^5CZ)@'+AZ$HF>%?
MUPBES&UZ!=IRU[73E'."R] X;@R+H0F'5CZ1@/50SXYK31,V\$L8[KB=#%EPK'B%LT:*
[8DT1I93 MV[Q>VXV<4MX8/$EMWT'VL)$8C=0?=0:==D%%LPQO&-.XNB71.MD<\@?<
M>%I>/I'=Q6)W9SB>:?>Y?B L,ZDAXQ$_0^OE$[E\LKMZ,K8HLXRTK]Y3<2]
*M!%G;Q,=I@_W 4^NZ:L'(MV?B6O7)EN?<< MCK=]=QF:*N#4MA@/'LCOBI**
*[AH1W2VB"E:DVFY=L>FC;^-K>?/JW_[!]G\-? M4$L#!!0 (*8U9UD_\)=FU0P *I >*
97AH:6)I=#DU,6UI;F5S M869E='EQ,S(P,C0N:'1M[5QM7X':TUB:(65)EB);4CRCVE'C)G$
MEA/W6P>\P_$0'0\,@"/-_/H^NP#NCA2EV.U(8C/RQ!F2AY?%[K-OV#V?EGY2
*MO3PME&VR9J)J+S*KI%>Y:)RNQ^)CKMRE& [CJ%=FNK!Z7'JQ*
MO[M_(#X:>ZEG,CSWVE?J95KG]&GX?OJ4-SD=F7SQ\C37,Z'S;Q[I@\,B/WB6
M'XZ>'ZB#47'T?%]E^R_RXFCOV8L7>_GHWWN/,!7#PQSG%Y7ZYM%$U\-2T?['
M!_L[1X=3?S+7N2^/]W9W__:(A[X\+4SML9_%_/ Q+'-E,:\^^:&L]+@^YB,]
M"E/3X\Q4QAX_WN4_)_1D6,B)KA;'3S[HB7+BK9J+]V8BZR<#)VLW=,KJ(@QT
M^G<%FD >?YT'DH^P3J5KE8ZPMT]$?_NO[][_)P9V^9XO8T=TW2C_A%
M7,A"^860=2Z^4[+RI3C+P7_MO)5>FSH->"V]O(;N-5+H"U/:,>3IS?3XZ^GM
M<_]@[5$_*B&M$IF93+0GV'LC)E+7'G\)_U(X'%/,72AZIFVIF8M(;;0CS0&
M4U3M&BS3&R$K6G1::5EGV".SQCDAJT]80IC&"C-5@8]N1WPHE2@#CVE=%Q@;
*M!RHL8A8*1Z9GE0:=O"GFZ,E49I[V)_J;&D\P3-=B7NJL%',5=XEGM'B>@2Z,*
*MIX4K4X^'7MF)<$V6*0="P(VPG9A:K*RSN&MFZKRAG6QD"Y8H535-Y_:E]"O$ M,L?*
H)-5B1YPW%O3:B;%J0&0U7E<0$G8QM#&&%\:"[[4$(L8#,3$XB[$L &R/ M;:"$Y=.HH3
W(WCN& M>,5C#6SK[#-0U6?8FYI5@4ZS(])![L6XEJI6LRC:SW,J6S]>?'>V+4:JTICI M
GBDF&D3<$WB;U>#S &U>I&,)VQ(-!#.8PMI@3[\1B,ZS1 EP&DR -@2.K6'
*MW5D(J%&CEC8*ZH/P!W9SQ)3@N7,FTXQ9,HDZ4&1;:\D'PQ3$%(PQ*3SX*0H+*
M91!S[B9D M44"GP @8$?JQXT=3P[K'/5WTKN
U#8:'29!@"GAW8E,&H"=F,B4LF#'&PAI4 MY(X,G24,G6FR]S5$OF#Y%J
GF!S0[YK)T([83)CEGBN7=@H&+RIA)=Z%8D(M5I:?.I&!-R,^'@1*YZ5G\G=T*
*M?!V50$X,V#4(GS&:A.U9!6; MZ5QC.-?W9<%[=8SK"Y?QQZ,:]H8,RKRQ**
*<#RI56*HA%?.L'N#*YOZA5+X]GN M@+,@!D#T,4'$% FY!= R04SU4V,[>CJW!-;.B 3R-*
MB'%#6X18;0',!,U$5:
*M(9WN##T:@YL&!)2#V!,F*2#DX(R,"ED>@0!A.3[(#7:KC6_]X[J-.@[I.F") ML:Z-@F,$R(?*
8$:]A53)6$Y!G$(4!1AUH#'YD@=V H1%7),O&92 M6R/# ZSR%N8-44'@:1N?!^-*
#,@M:LE8++#\;%$&OGMY"95M31^#(FY-KJ,0 M;R$ZGG<0IEV-%F[*?^Y',\[R8)*
[!1MW%!_ZIO'AB(!3E]3S#^_5HU@-J6+ M\:O[ZO'A\Y-K#
*<)4YF1XAI4]_/$SV(03SK@U0^AXN/=\@*GKQX_W]__^N26 M@Z4O(NIDB7]*
*[!SN'Q"]$WBRWO=T#<8&_]_G)A?@EN3EWG\$>@X'UT!O*R#J?*
MU;IA,I.9TC,@BK6+81>"?]>=:TMNKT9Y;!I*F3'"*YT@42V]E5P3*X94;SG M-*
8<;)OTJ/%L@)"_DWUL*"W^M8%#U(4@AF);#KCRZR/]>\7OGPZM6Z/MG]B_*
M;"9&EP."% I";H"C:[1#NZ8(I#"ZDKOA@Q,:[OA;AK 1^3@YY#IVTH>:!5
*M.059\G;:Q5B7[WO:^!V3-!Q_KI/;SZV"'+(<7%-"-5*J M%@\:=:<:E6^OI"R;K&*
WQ=_7JUM^U1500-?4D=814KYUO"%\F;"LP[$_3$BU7I$2C&5'D:R7@EX>H'+
[MPYUO[VYL>/Q<59>X?)=NREA$9]UUV29A,S=5):V8R:JA:_1KKO?

*2/<(#A.X60N>29E,)>),P MT]FS4-<=6A5*S$5+[OV7=F\|$94+"FV=#Q$B\OS*<"5(Q.N!?S15(5X9B1$_MT%48PLGW:@S+.Z 1;Z7/2NU-5H*D=])J5P[$#Z;13LM:]HKFYWJFQ+FQEXX- M>:J=GW_)=3G5]NG"G&_-ZW1'S#E9E^ZEBEZ_EL"E_F4"0J$$GL;$4M/*T;^O MS:>!^!X:VV27"['%!+\R=H1G,&>_JJ[^?S=G6-X[D.]+;==2CQ..S4!\5)#: M+Y1@IF4\[O1<]/8NR6_W?;^]>$+3>2[6-#\08VA\6=9;**Z3S/TX8];5]ZK MF<9F_98=$G+W?9MK*_52G4WFOS:Y!HI(5^18U=FB+3%3FQ F]-HG, 8))DA(M)>J*;!\@P3L;NO@FCN7:31ON3H!U($9V[3==GH 3.4!(4LV=^P3JF:EF5&8' M(,>QF/=;SR'8F)6RJI2B.FXCIJJ[([O9-:7K+F KT-C!26^,[6F.L#U?;[4 MH9H?%]^HA&JIK!@N'[%;[%58C54/KV8_R[U7Q&\QLEH5L&NU88QIMY57R6.FM"UXQBRQ[5B[H0\ZXCH&MGX9M;Y*N,%[;?#CVPL7X824BZ*G56C?5JD3H=E_JK@O.CN\(J,;7;IAZ:GJ- MBA?4E-CM%8(&63F3(H?8,\="0%"#0.$)O&Z6U*2-4&-VT",0_ZT<%>+H*^-TM27X<'RAN=;&+%/R0R8L?8YUS>0--Z)C7B+;]S:[[P4W=BH*V 1Y)D+ZJVC&R M-D/K(GE,7=:C[K,\571/P >]$)6G,F6[!O?QRC9KI/[X'12RWZOCK_VEC9V MOS66VWUC^-K3>\U:U5[$ACX ;CSEPFR/E@&UQ\AZ,1!YHQ+A.J^Z]H! P(."MW)N"0&*O8>%*1,_(QEXO)T. YQMX"!L;^39!>5;2M6582LXP@YN)?L)%5; QMBN.7H"!=6W]6\<^FTXKO?U)T\Z&%T"MZZ:,(M:G:?BGY64VB7JRQ80_G1&2XSZ'W""8FY][-9*V"2VK?[*$AL9'-=I.6DK&@ MDQU:5PI4?ZAGZ:WC+5=]S%.)GU/.P-&V*(905HK1Z:,VX7 M\"E+^&?,$E[WLX1P;W'_=]8WQ*S>/Z],W'>EDC)8*4W02MUM M__!K>33\&\%/.5_H^_4$L! A0#% @ IC5G66\='BK]/@$ ::T2 !$ M (! &%D97,M,C R-# Y,S N:'1M4$L! A0#% @ MIC5G66(WKS5\$0 *\4 !$ (!+#\! &%D97,M,C R-# Y M,S N>'-D4$L! A0#% @ IC5G6;:X>\@^(LT4! !4 M (!UU ! &%D97,M,C R-# Y,S!?8V%L+GAM;%!+ 0(4 Q0 (*8U9UD\ MR FX7F@ $*^! 5 " 4AQ 0!A9&5S+3(P,C0P.3,P7V1EM9BYX;6Q02P$"% ,4 " "F-6=9&UL4$L! A0#% @ IC5G64X5 MV%MZI@ @ND' !4 (!3_4" &%D97,M,C R-# Y,S!?<')E M+GAM;%!+ 0(4 Q0 (*8U9UE$SD2V4P< %$@ : " M ?R;P!E>&AI8FET,S$Q,C R-# Y,S M,3!Q+FAT;5!+ 0(4 Q0 (*8U M9UDMQPJ65@< !0@ : "8>C P!E>&AI8FET,S$R,C R M-# Y,S M,3!Q+FAT;5!+ 0(4 Q0 (*8U9UE-T>/T> 0 'H8 : M " 16K P!E>&AI8FET,S(Q,C R-# Y,S M,3!Q+FAT;5!+ 0(4 M Q0 (*8U9UD_\)=FU0P *I > " <6O P!E>&AI M8FET.34Q;6EN97-A9F5T>7$S,C R-"YH=&U02P4& H "@"N @ UKP# # end XML 79 ades-20240930_htm.xml IDEA: XBRL DOCUMENT 0001515156 2024-01-012024-09-30 0001515156 2024-11-05 0001515156 2024-09-30 0001515156 2023-12-31 0001515156 2024-07-012024-09-30 0001515156 2023-07-012023-09-30 0001515156 2023-01-012023-09-30 0001515156 us-gaap:CommonStockMember 2023-12-31 0001515156 us-gaap:TreasuryStockCommonMember 2023-12-31 0001515156 us-gaap:AdditionalPaidInCapitalMember 2023-12-31 0001515156 us-gaap:RetainedEarningsMember 2023-12-31 0001515156 us-gaap:CommonStockMember 2024-01-012024-03-31 0001515156 us-gaap:AdditionalPaidInCapitalMember 2024-01-012024-03-31 0001515156 2024-01-012024-03-31 0001515156 us-gaap:RetainedEarningsMember 2024-01-012024-03-31 0001515156 us-gaap:CommonStockMember 2024-03-31 0001515156 us-gaap:TreasuryStockCommonMember 2024-03-31 0001515156 us-gaap:AdditionalPaidInCapitalMember 2024-03-31 0001515156 us-gaap:RetainedEarningsMember 2024-03-31 0001515156 2024-03-31 0001515156 us-gaap:CommonStockMember 2024-04-012024-06-30 0001515156 us-gaap:AdditionalPaidInCapitalMember 2024-04-012024-06-30 0001515156 2024-04-012024-06-30 0001515156 us-gaap:RetainedEarningsMember 2024-04-012024-06-30 0001515156 us-gaap:CommonStockMember 2024-06-30 0001515156 us-gaap:TreasuryStockCommonMember 2024-06-30 0001515156 us-gaap:AdditionalPaidInCapitalMember 2024-06-30 0001515156 us-gaap:RetainedEarningsMember 2024-06-30 0001515156 2024-06-30 0001515156 us-gaap:CommonStockMember 2024-07-012024-09-30 0001515156 us-gaap:AdditionalPaidInCapitalMember 2024-07-012024-09-30 0001515156 us-gaap:RetainedEarningsMember 2024-07-012024-09-30 0001515156 us-gaap:CommonStockMember 2024-09-30 0001515156 us-gaap:TreasuryStockCommonMember 2024-09-30 0001515156 us-gaap:AdditionalPaidInCapitalMember 2024-09-30 0001515156 us-gaap:RetainedEarningsMember 2024-09-30 0001515156 us-gaap:CommonStockMember 2022-12-31 0001515156 us-*

gaap:TreasuryStockCommonMember 2022-12-31 0001515156 us-gaap:AdditionalPaidInCapitalMember 2022-12-31 0001515156 us-gaap:RetainedEarningsMember 2022-12-31 0001515156 2022-12-31 0001515156 us-gaap:CommonStockMember 2023-01-012023-03-31 0001515156 us-gaap:AdditionalPaidInCapitalMember 2023-01-012023-03-31 0001515156 2023-01-012023-03-31 0001515156 us-gaap:RetainedEarningsMember 2023-01-012023-03-31 0001515156 us-gaap:CommonStockMember 2023-03-31 0001515156 us-gaap:TreasuryStockCommonMember 2023-03-31 0001515156 us-gaap:AdditionalPaidInCapitalMember 2023-03-31 0001515156 us-gaap:RetainedEarningsMember 2023-03-31 0001515156 2023-03-31 0001515156 us-gaap:CommonStockMember 2023-04-012023-06-30 0001515156 us-gaap:AdditionalPaidInCapitalMember 2023-04-012023-06-30 0001515156 2023-04-012023-06-30 0001515156 us-gaap:RetainedEarningsMember 2023-04-012023-06-30 0001515156 us-gaap:CommonStockMember 2023-06-30 0001515156 us-gaap:TreasuryStockCommonMember 2023-06-30 0001515156 us-gaap:AdditionalPaidInCapitalMember 2023-06-30 0001515156 us-gaap:RetainedEarningsMember 2023-06-30 0001515156 2023-06-30 0001515156 us-gaap:CommonStockMember 2023-07-012023-09-30 0001515156 us-gaap:AdditionalPaidInCapitalMember 2023-07-012023-09-30 0001515156 us-gaap:RetainedEarningsMember 2023-07-012023-09-30 0001515156 us-gaap:CommonStockMember 2023-09-30 0001515156 us-gaap:TreasuryStockCommonMember 2023-09-30 0001515156 us-gaap:AdditionalPaidInCapitalMember 2023-09-30 0001515156 us-gaap:RetainedEarningsMember 2023-09-30 0001515156 2023-09-30 0001515156 ades:PublicOfferingsMember 2024-01-012024-09-30 0001515156 ades:PublicOfferingsMember 2023-01-012023-09-30 0001515156 us-gaap:RelatedPartyMember 2024-01-012024-09-30 0001515156 us-gaap:RelatedPartyMember 2023-01-012023-09-30 0001515156 ades:ArqLimitedMember 2023-02-28 0001515156 ades:ArqLimitedMember 2023-02-012023-02-01 0001515156 ades:ArqLimitedMemberus-gaap:CommonStockMember 2023-02-012023-02-01 0001515156 ades:ArqLimitedMemberus-gaap:PreferredStockMember 2023-02-012023-02-01 0001515156 2023-02-01 0001515156 ades:ArqLimitedMemberus-gaap:CommonStockMember 2023-02-01 0001515156 ades:ArqLimitedMemberus-gaap:PreferredStockMember 2023-02-01 0001515156 ades:ArqLimitedMember 2023-02-01 0001515156 ades:ArqLimitedMemberus-gaap:DevelopedTechnologyRightsMember 2023-02-012023-02-01 0001515156 ades:ArqLimitedMemberus-gaap:SeriesAPreferredStockMember 2023-02-012023-02-01 0001515156 us-gaap:SeriesAPreferredStockMember 2023-03-312023-03-31 0001515156 2023-04-212023-04-21 0001515156 ades:ArqLimitedMemberus-gaap:SeriesAPreferredStockMember 2023-02-01 0001515156 us-gaap:CommonStockMember 2023-02-012023-02-01 0001515156 ades:ArqLimitedMember 2023-07-012023-09-30 0001515156 country:CAus-gaap:RevenueFromContractWithCustomerMemberus-gaap:GeographicConcentrationRiskMember 2024-07-012024-09-30 0001515156 country:CAus-gaap:RevenueFromContractWithCustomerMemberus-gaap:GeographicConcentrationRiskMember 2024-01-012024-09-30 0001515156 country:CAus-gaap:RevenueFromContractWithCustomerMemberus-gaap:GeographicConcentrationRiskMember 2023-07-012023-09-30 0001515156 country:CAus-gaap:RevenueFromContractWithCustomerMemberus-gaap:GeographicConcentrationRiskMember 2023-01-012023-09-30 0001515156 us-gaap:TradeAccountsReceivableMember 2024-09-30 0001515156 us-gaap:TradeAccountsReceivableMember 2023-12-31 0001515156 ades:UnbilledReceivablesMember 2024-09-30 0001515156 ades:UnbilledReceivablesMember 2023-12-31 0001515156 ades:SeniorTermLoanMember 2024-09-30 0001515156 ades:SeniorTermLoanMember 2023-12-31 0001515156 ades:CTBLoanDueJanuary2036Member 2024-09-30 0001515156 ades:CTBLoanDueJanuary2036Member 2023-12-31 0001515156 us-gaap:SecuredDebtMember 2023-02-012023-02-01 0001515156 us-

gaap:SecuredDebtMember 2023-02-01 0001515156 ades:CFGlobalCreditLPMember 2023-02-01 0001515156 us-gaap:CommonStockMember 2024-03-292024-03-29 0001515156 us-gaap:SecuredDebtMemberus-gaap:SecuredOvernightFinancingRateSofrMember 2023-02-012023-02-01 0001515156 us-gaap:SecuredDebtMemberus-gaap:BaseRateMember 2023-02-012023-02-01 0001515156 us-gaap:SecuredDebtMemberades:Between1And36MothsMember 2023-02-012023-02-01 0001515156 us-gaap:SecuredDebtMemberades:Between37MonthsAndMaturityDateMember 2023-02-012023-02-01 0001515156 us-gaap:SecuredDebtMemberus-gaap:SecuredOvernightFinancingRateSofrMemberades:AdjustedTermSOFRForAnInteres 2023-02-012023-02-01 0001515156 us-gaap:SecuredDebtMemberades:AdjustedTermSOFRForAnInterestPeriodOfOneMonthInE 2023-02-012023-02-01 0001515156 us-gaap:SecuredDebtMemberades:BeginningMarch312023Member 2023-02-01 0001515156 us-gaap:SecuredDebtMemberades:FiscalYear2024Member 2023-02-01 0001515156 us-gaap:SecuredDebtMemberades:FiscalYear2025AndThereafterMember 2023-02-01 0001515156 us-gaap:SecuredDebtMember 2023-02-01 0001515156 2023-02-012023-02-01 0001515156 ades:ArqLimitedMemberus-gaap:SecuredDebtMember 2023-02-01 0001515156 ades:PromissoryNotesMember 2021-01-27 0001515156 ades:ArqLimitedMemberades:PromissoryNoteAMemberus-gaap:SecuredDebtMember 2021-01-27 0001515156 ades:ArqLimitedMemberades:PromissoryNoteBMemberus-gaap:SecuredDebtMember 2021-01-27 0001515156 ades:ArqLimitedMemberus-gaap:SecuredDebtMemberades:ThroughJanuary2026Member 2021-01-27 0001515156 ades:ArqLimitedMemberus-gaap:SecuredDebtMemberus-gaap:PrimeRateMemberades:AfterJanuary2026Member 2021-01-27 0001515156 ades:ArqLimitedMemberus-gaap:SecuredDebtMember 2021-01-272021-01-27 0001515156 ades:ArqLimitedMemberus-gaap:SecuredDebtMemberades:PenaltyYear2024Member 2024-09-30 0001515156 ades:ArqLimitedMemberus-gaap:SecuredDebtMemberades:PenaltyYear2025Member 2024-09-30 0001515156 ades:ArqLimitedMemberus-gaap:SecuredDebtMemberades:PenaltyYear2026Member 2024-09-30 0001515156 ades:ArqLimitedMemberus-gaap:SecuredDebtMember 2023-06-02 0001515156 ades:ArqLimitedMemberus-gaap:SecuredDebtMember 2024-01-012024-09-30 0001515156 ades:ConsumablesMember 2024-07-012024-09-30 0001515156 ades:ConsumablesMember 2024-01-012024-09-30 0001515156 us-gaap:GeneralAndAdministrativeExpenseMember 2024-07-012024-09-30 0001515156 us-gaap:GeneralAndAdministrativeExpenseMember 2024-01-012024-09-30 0001515156 ades:ConsumablesMember 2023-07-012023-09-30 0001515156 ades:ConsumablesMember 2023-01-012023-09-30 0001515156 us-gaap:SellingGeneralAndAdministrativeExpensesMember 2023-07-012023-09-30 0001515156 us-gaap:SellingGeneralAndAdministrativeExpensesMember 2023-01-012023-09-30 0001515156 ades:FiveForksMineMember 2024-09-30 0001515156 ades:CorbinFacilitiesMember 2024-09-30 0001515156 ades:WestVirginiaMine4Member 2024-09-30 0001515156 srt:MinimumMemberades:DeliveriesInFirstQuarter2025Member 2024-01-012024-01-31 0001515156 srt:MaximumMemberades:DeliveriesInFirstQuarter2025Member 2024-01-012024-01-31 0001515156 ades:TinuumGroupLLCMember 2024-09-30 0001515156 ades:TinuumGroupLLCMember 2024-01-012024-03-31 0001515156 ades:TinuumGroupLLCMember 2024-01-012024-09-30 0001515156 ades:HighviewEnterprisesLimitedMember 2023-12-31 0001515156 ades:HighviewEnterprisesLimitedMember 2024-09-30 0001515156 2023-01-012023-12-31 0001515156 ades:CorbinAROMember 2024-01-012024-03-31 0001515156 ades:Mine4Member 2024-01-012024-03-31 0001515156 us-gaap:DisposalGroupDisposedOfBySaleNotDiscontinuedOperationsMemberades:Marshall 2024-01-012024-03-31 0001515156 ades:TinuumGroupLLCMember 2023-12-31 0001515156 ades:TinuumGroupLLCMember 2024-09-30 0001515156 ades:TinuumGroupLLCMember 2024-07-012024-09-30 0001515156 ades:TinuumGroupLLCMember 2023-07-012023-09-30 0001515156

ades:TinuumGroupLLCMember 2023-01-012023-09-30 0001515156 ades:TinuumGroupLLCMemberus-gaap:CostOfSalesMember 2024-07-012024-09-30 0001515156 ades:TinuumGroupLLCMemberus-gaap:CostOfSalesMember 2024-01-012024-09-30 0001515156 ades:TinuumGroupLLCMemberus-gaap:CostOfSalesMember 2023-07-012023-09-30 0001515156 ades:TinuumGroupLLCMemberus-gaap:CostOfSalesMember 2023-01-012023-09-30 0001515156 us-gaap:CommonStockMember 2024-04-012024-04-30 0001515156 ades:SecuritiesPurchaseAgreementMember 2024-05-012024-05-31 0001515156 ades:SecuritiesPurchaseAgreementMember 2024-05-31 0001515156 ades:OriginalAmountMember 2024-09-012024-09-30 0001515156 ades:AdditionalOptionMember 2024-09-012024-09-30 0001515156 2024-09-012024-09-30 0001515156 us-gaap:OverAllotmentOptionMember 2024-09-012024-09-30 0001515156 srt:MaximumMember 2017-05-05 0001515156 us-gaap:RestrictedStockMember 2024-07-012024-09-30 0001515156 us-gaap:RestrictedStockMember 2023-07-012023-09-30 0001515156 us-gaap:RestrictedStockMember 2024-01-012024-09-30 0001515156 us-gaap:RestrictedStockMember 2023-01-012023-09-30 0001515156 us-gaap:PerformanceSharesMember 2024-07-012024-09-30 0001515156 us-gaap:PerformanceSharesMember 2023-07-012023-09-30 0001515156 us-gaap:PerformanceSharesMember 2024-01-012024-09-30 0001515156 us-gaap:PerformanceSharesMember 2023-01-012023-09-30 0001515156 us-gaap:EmployeeStockOptionMember 2024-07-012024-09-30 0001515156 us-gaap:EmployeeStockOptionMember 2023-07-012023-09-30 0001515156 us-gaap:EmployeeStockOptionMember 2024-01-012024-09-30 0001515156 us-gaap:EmployeeStockOptionMember 2023-01-012023-09-30 0001515156 us-gaap:RestrictedStockMember 2024-09-30 0001515156 us-gaap:PerformanceSharesMember 2024-09-30 0001515156 us-gaap:EmployeeStockOptionMember 2024-09-30 0001515156 us-gaap:RestrictedStockMember 2023-12-31 0001515156 us-gaap:PerformanceSharesMember 2023-12-31 0001515156 us-gaap:PerformanceSharesMemberades:IssuedUponVestingOfPSUsMember 2024-01-012024-09-30 0001515156 us-gaap:PerformanceSharesMemberades:IssuedUponVestingOfPSUsMember 2024-07-012024-09-30 0001515156 srt:MaximumMemberus-gaap:EmployeeStockOptionMember 2024-01-012024-09-30 0001515156 us-gaap:EmployeeStockOptionMember 2023-12-31 0001515156 ades:BeforeOutOfPeriodStateIncomeTaxExpenseMember 2024-07-012024-09-30 0001515156 ades:BeforeOutOfPeriodStateIncomeTaxExpenseMember 2024-01-012024-09-30 0001515156 ades:MarshallMineMember 2023-03-27 0001515156 ades:MarshallMineMember 2023-01-012023-09-30 shares iso4217:USD iso4217:USD shares pure ades:debtInstrument iso4217:CAD shares0001515156--12-31false2024Q3http://fasb.org/us-gaap/2024#OtherAssetsNoncurrenthttp://fasb.org/us-gaap/2024#OtherAssetsNoncurrenthttp://fasb.org/us-gaap/2024#OtherLiabilitiesCurrenthttp://fasb.org/us-gaap/2024#OtherLiabilitiesCurrenthttp://fasb.org/us-gaap/2024#OtherLiabilitiesNoncurrenthttp://fasb.org/us-gaap/2024#OtherLiabilitiesNoncurrenthttp://fasb.org/us-gaap/2024#OtherLiabilitiesCurrenthttp://fasb.org/us-gaap/2024#OtherLiabilitiesCurrenthttp://fasb.org/us-gaap/2024#OtherLiabilitiesNoncurrenthttp://fasb.org/us-gaap/2024#OtherLiabilitiesNoncurrent10-Qtrue2024-09-30false001-37822ARQ, INC.DE27-54724578051 E. Maplewood Ave.Ste. 210Greenwood VillageCO80111720598-3500Common stock, par value $0.001 per shareARQNASDAQYesYesNon-accelerated Filertruefalsefalse420320864866200045361000165900001619200018487000196930003
0.0010.0015000000050000000000000.0010.00110000000010000000046652061377916
2525000-2372000-1643900012700041200012700015120008060007870002426000215500026800072500035
411000350000-136800086700016170000-2175000-3740000-155720000030000-

330001617000-2175000-3770000-155390000.04-0.07-0.11-0.560.04-0.07-0.11-0.56361240003180700034085000278940003744200031807000340850002789400037795
476920001545110007154300017840000081253782000782000104163599000599000322
3419000-3419000380931293800046181464-476920001546940006812400017516400043566653000653000214285820001494900014951000422221100079900080000019680000-1968000406146241000461814647692000171095000661560001896000005808261000749000750000548550050002665476920001979880006777300021811600023788319240004618146476920001036980008394900013997900048324256300056300038148644000124330007508000-750800031854636320004618146-476920001325900007628400016121400016430545000545000536292650001892100018926000697314000140005856000585600037194159370004618146476920001520420007042800017481500010524470200070200052777910009990001000021750000377990533800046181464-476920001536950006825300017429400037700001553900060900007276000218500018100001518000206100045000039500015400026911300003990003590001812000-3595000-24860008110001366000364600026110001203300014670001480001255000-140000-94500030500052680002114500042210000170080001670001856000150000012700015120000222500002177042100000173040002665900001495100015220000110900020800008380008550008000001000000151110005415300076432000573800006132100081990002550002580000031206000013040000-1730400026659000014951000152200001109000208000838000855000800000100000015111000541530007643200057380000613210008199000255000258000003120600001.and Basis of Presentation Arq, Inc. ("Arq" or the "Company"), is an environmental technology company that is principally engaged in the sale of consumable air, water, and soil treatment solutions including activated carbon ("AC") and chemical technologies. The Company's proprietary AC products enable customers to reduce air, water, and soil contaminants, including mercury, per and polyfluoroalkyl substances ("PFAS") and other pollutants, to help our customers meet the challenges of existing and pending air quality and water regulations. The Company manufactures and sells AC and other chemicals used to capture and remove contaminants for coal-fired power generation, industrial, municipal water and air, water, and soil treatment and remediation markets (collectively, the advanced purification technologies or "APT" market). The Company’s primary products are comprised of AC, which is produced from a variety of carbonaceous raw materials. The Company’s AC products include both powdered activated carbon ("PAC") and granular activated carbon ("GAC"). Additionally, the Company owns the Five Forks Mine, a lignite mine that currently supplies the primary raw material for the manufacturing of the Company’s products. The Company, formerly known as Advanced Emissions Solutions, Inc., is a Delaware corporation with its principal office located in Greenwood Village, Colorado, manufacturing, mining and logistics operations located in Louisiana and coal waste recovery and manufacturing operations located in Kentucky. In February 2023, the Company acquired 100% of the equity of the subsidiaries of Arq Limited (the "Arq Acquisition," and hereafter the Arq Limited subsidiaries are referred to as "Legacy Arq") to secure access to a feedstock, a manufacturing facility and certain patented processes as a means to manufacture additional GAC products for sale into the APT and other markets. With the Arq Acquisition, the Company now controls bituminous coal waste reserves and owns a manufacturing facility, both located in Corbin, Kentucky (the "Corbin Facility"), and a process to recover and purify the bituminous coal waste for sale or further conversion to GAC products. Using the Corbin Facility's manufacturing process, the Company is

converting bituminous coal waste into a purified, microfine carbon powder known as Arq powderTM ("Arq Powder"). See further discussion of the Arq Acquisition in Note 2. Basis of Presentation The accompanying Condensed Consolidated Financial Statements of Arq are unaudited and have been prepared in conformity with accounting principles generally accepted in the United States ("U.S. GAAP") and with Article 10 of Regulation S-X of the Securities and Exchange Commission. In compliance with those instructions, certain information and footnote disclosures normally included in annual consolidated financial statements prepared in accordance with U.S. GAAP have been condensed or omitted. The unaudited Condensed Consolidated Financial Statements of Arq in this quarterly report ("Quarterly Report") are presented on a consolidated basis and include Arq and its wholly-owned subsidiaries (collectively, the "Company"). Also included within the unaudited Condensed Consolidated Financial Statements are the Company's unconsolidated equity investments, Tinuum Group and Tinuum Services, which are accounted for under the equity method of accounting, and Highview Enterprises Limited (the "Highview Investment"), which is accounted for in accordance with U.S. GAAP applicable to equity investments that do not qualify for the equity method of accounting. Results of operations and cash flows for the interim periods are not necessarily indicative of the results that may be expected for the entire year. All significant intercompany transactions and accounts were eliminated in consolidation for all periods presented in this Quarterly Report. In the opinion of management, these Condensed Consolidated Financial Statements include all normal and recurring adjustments considered necessary for a fair presentation of the results of operations, financial position, stockholders' equity and cash flows for the interim periods presented. These Condensed Consolidated Financial Statements should be read in conjunction with the Company’s Annual Report on Form 10-K for the year ended December 31, 2023 (the "2023 Form 10-K"). Significant accounting policies disclosed therein have not changed. Earnings (Loss) Per Share Basic earnings (loss) per share is computed using the weighted-average number of shares of the Company's common stock outstanding during the reporting period. Diluted earnings (loss) per share is computed in a manner consistent with that of basic earnings per share, while considering other potentially dilutive securities. For the three and nine months ended September 30, 2024 and September 30, 2023, potentially dilutive securities consist of unvested restricted stock awards ("RSAs"), stock options and contingent performance stock units ("PSUs"). <span

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:120%">The following table sets forth the calculations of basic and diluted loss per share: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:45.098%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.625%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended September 30,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Nine Months Ended September 30,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands, except per share amounts)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:top">Net income (loss)</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,617 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid

#000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(2,175)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(3,770)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(15,539)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Less: Dividends declared on redeemable preferred stock</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">157 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Income (loss) attributable to common stockholders</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-

color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,617 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(2,175)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(3,770)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(15,696)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Basic weighted-average common shares outstanding</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">36,124 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">31,807 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span style="color:#000000;font-

family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">34,085 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">27,894 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Add: dilutive effect of equity instruments</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,318 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Diluted weighted-average shares outstanding</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">37,442 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">31,807 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-

align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">34,085 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">27,894 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Earnings (loss) per share - basic</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">0.04 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(0.07)</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(0.11)</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(0.56)</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Earnings (loss) per share - diluted</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double

#000000;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">0.04 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">(0.07)</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">(0.11)</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">(0.56)</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> For the three and nine months ended September 30, 2024 and 2023, potentially dilutive securities of 0.3 million and 2.3 million and 2.5 million and 1.4 million shares of common stock, respectively, are outstanding but are not included in the calculation of diluted net loss per share because the effect would be anti-dilutive. Use of Estimates The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the amounts reported in the financial statements and accompanying notes. There have been no changes in the Company's critical accounting

estimates from those that were disclosed in the 2023 Form 10-K. Actual results could differ from these estimates. Fair value measurements The carrying amounts of our cash, restricted cash, accounts receivable, accounts payable and other current liabilities approximate fair value as recorded due to the short-term nature of these instruments. Seasonality The timing of the sale of consumable products is dependent upon several factors. Power generation is weather dependent, with electricity and steam production varying in response to heating and cooling demands. As a result, the Company's revenue is generally higher in our first and third fiscal quarters during the warmer and colder months of the year, respectively. Abnormally high and low temperatures during the summer and winter months, respectively, may significantly increase coal consumption for electricity generation and cause increased impurities within various municipalities' water sources, and thus increase the demand for the Company's products. Additionally, power generating units routinely schedule maintenance outages in the spring and/or fall depending on the operation of their boilers. During the period in which an outage may occur, which may range from one week to over a month, the Company's product sales may decrease. Also, the Company's revenue and sales volumes are highly dependent upon the level of coal consumption at coal-fired power plants, which in turn is significantly affected by the prices of competing power generation sources, such as natural gas and renewables. During periods of low natural gas prices, natural gas provides a competitive alternative to coal-fired power generation and therefore, coal consumption for power generation may be reduced, which in turn reduces the demand for the Company's products. In contrast, during periods of higher prices for competing power generation sources, coal consumption generally increases, which generally increases demand for the Company's products. In the sale of water purification products, demand is driven largely from municipal water treatment facilities. Depending on weather conditions and other environmental factors, the summer months historically have the highest demand for the Company's products used in water treatment. One of the major uses for PAC is for the treatment of taste and odor episodes caused by increased degradation of organic contaminants and natural materials in water that occurs during the summer months. Additionally, the rainy season generally results in more demand from water municipalities due to rain run-offs and contaminant dilution. Reclassifications Certain balances have been reclassified from the prior year to conform to the current year presentation. Such reclassifications had no effect on the Company’s results of operations or financial position in any of the periods presented. <span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-style:italic;font-weight:400;line-height:120%;text-

decoration:underline">New Accounting Standards In November 2023, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update 2023-07, Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures ("ASU 2023-07"). ASU 2023-07 is intended to improve reportable segment disclosures and to enhance disclosures of reportable segment expenses. This ASU is effective for annual reporting periods beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024. Early adoption is permitted. ASU 2023-07 is required to be applied retrospectively to all prior periods presented in the financial statements. Because the amendments do not change the methodology for the identification of operating segments, the aggregation of those operating segments or the application of the quantitative thresholds to determine reportable segments, we do not expect the guidance to have a material effect on our financial position or results of operations. In December 2023, the FASB issued Accounting Standards Update 2023-09, Income Taxes (Topic 740): Improvements to Income Tax Disclosures. ("ASU 2023-09"). ASU 2023-09 requires entities to disclose: (1) consistent categories and greater disaggregation of information in the rate reconciliation and (2) the disaggregation of income taxes paid by jurisdiction. This update also makes several other changes to the income tax disclosure requirements. For public entities, the amendments in ASU 2023-09 are effective for fiscal years beginning after December 15, 2024, with early adoption permitted, and is required to be applied prospectively, but retrospective application is permitted. The Company is currently evaluating the impact of ASU 2023-09 on its income tax disclosures. 1 The accompanying Condensed Consolidated Financial Statements of Arq are unaudited and have been prepared in conformity with accounting principles generally accepted in the United States ("U.S. GAAP") and with Article 10 of Regulation S-X of the Securities and Exchange Commission. In compliance with those instructions, certain information and footnote disclosures normally included in annual consolidated financial statements prepared in accordance with U.S. GAAP have been condensed or omitted. The unaudited Condensed Consolidated Financial Statements of Arq in this quarterly report ("Quarterly Report") are presented on a consolidated basis and include Arq and its wholly-owned subsidiaries (collectively, the "Company"). Also included within the unaudited Condensed Consolidated Financial Statements are the Company's unconsolidated equity investments, Tinuum Group and Tinuum Services, which are accounted for under the equity method of accounting, and Highview Enterprises Limited (the "Highview Investment"), which is accounted for in accordance with U.S. GAAP applicable to equity investments that do not qualify for the equity method of accounting. Results of operations and cash flows for the interim periods are not necessarily indicative of the results that may be expected for the entire year. All significant intercompany transactions and accounts were eliminated in consolidation for all periods presented in this Quarterly Report.

* In the opinion of management, these Condensed Consolidated Financial Statements include all normal and recurring adjustments considered necessary for a fair presentation of the results of operations, financial position, stockholders' equity and cash flows for the interim periods presented. These Condensed Consolidated Financial Statements should be read in conjunction with the Company's Annual Report on Form 10-K for the year ended December 31, 2023 (the "2023 Form 10-K"). Significant accounting policies disclosed therein have not changed. Basic earnings (loss) per share is computed using the weighted-average number of shares of the Company's common stock outstanding during the reporting period. Diluted earnings (loss) per share is computed in a manner consistent with that of basic earnings per share, while considering other potentially dilutive securities. For the three and nine months ended September 30, 2024 and September 30, 2023, potentially dilutive securities consist of unvested restricted stock awards ("RSAs"), stock options and contingent performance stock units ("PSUs"). The following table sets forth the calculations of basic and diluted loss per share: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:45.098%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.625%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended September 30,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Nine Months Ended September 30,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands, except per share amounts)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:8pt;font-*

weight:700;line-height:100%">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:top">Net income (loss)</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,617 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(2,175)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(3,770)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(15,539)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Less: Dividends declared on redeemable preferred stock</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-

align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">157 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Income (loss) attributable to common stockholders</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,617 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(2,175)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(3,770)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(15,696)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td

colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Basic weighted-average common shares outstanding</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">36,124 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">31,807 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">34,085 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">27,894 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Add: dilutive effect of equity instruments</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,318 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td

colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Diluted weighted-average shares outstanding</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">37,442 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">31,807 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">34,085 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">27,894 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Earnings (loss) per share - basic</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">0.04 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(0.07)</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-

color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(0.11)</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(0.56)</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Earnings (loss) per share - diluted</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">0.04 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">(0.07)</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom">(0.11)</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 0;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-

*weight:400;line-height:100%">(0.56)</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> 1617000-2175000-3770000-1553900000015700016170001617000-2175000-2175000-3770000-3770000-15696000-1569600036124000318070003408500027894000131800000037442000318070003408500027894000131800000037442-0.07-0.11-0.560.04-0.07-0.11-0.563000002300000250000001400000 The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the amounts reported in the financial statements and accompanying notes. There have been no changes in the Company's critical accounting estimates from those that were disclosed in the 2023 Form 10-K. Actual results could differ from these estimates. The carrying amounts of our cash, restricted cash, accounts receivable, accounts payable and other current liabilities approximate fair value as recorded due to the short-term nature of these instruments. Certain balances have been reclassified from the prior year to conform to the current year presentation. Such reclassifications had no effect on the Company's results of operations or financial position in any of the periods presented. New Accounting Standards In November 2023, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update 2023-07, Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures ("ASU 2023-07"). ASU 2023-07 is intended to improve reportable segment disclosures and to enhance disclosures of reportable segment expenses. This ASU is effective for annual reporting periods beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024. Early adoption is permitted. ASU 2023-07 is required to be applied retrospectively to all prior periods presented in the financial statements. Because the amendments do not change the methodology for the identification of operating segments, the aggregation of those operating segments or the application of the quantitative thresholds to determine reportable segments, we do not expect the guidance to have a material effect on our financial position or results of operations. In December 2023, the FASB issued Accounting Standards Update 2023-09, Income Taxes (Topic 740): Improvements to Income Tax Disclosures. ("ASU 2023-09"). ASU 2023-09 requires entities to disclose: (1) consistent categories and greater disaggregation of information in the rate reconciliation and (2) the disaggregation of income taxes paid by jurisdiction. This update also makes several other changes to the income tax disclosure requirements. For public entities, the amendments in ASU 2023-09 are effective for fiscal years beginning after December 15, 2024, with early adoption permitted, and is required to be applied prospectively, but retrospective application is permitted. The Company is currently evaluating the impact of ASU 2023-09 on its income tax disclosures. Arq Acquisition *

On February 1, 2023 (the "Acquisition Date"), the Company entered into a securities purchase agreement (the "Purchase Agreement") with Arq Limited ("Arq Ltd.") to acquire 100% of the equity of Legacy Arq in exchange for consideration (the "Purchase Consideration") totaling $31.2 million, and consisting of (i) 3,814,864 shares of the Company's common stock and (ii) 5,294,462 shares of the Company's Series A Convertible Preferred Stock, par value $0.001 per share (the "Series A Preferred Stock" or the "Preferred Shares"). The Company accounted for the Arq Acquisition as an acquisition of a business, and the total Purchase Consideration of $31.2 million was allocated to the acquired assets and assumed liabilities of Legacy Arq based on their estimated fair values as of the Acquisition Date. The Purchase Consideration was comprised of the fair values as of the Acquisition Date of 3,814,864 shares of the Company's common stock, valued at $12.4 million, and 5,294,462 Preferred Shares, valued at $18.8 million. The Company also incurred $8.7 million in acquisition-related costs, which were expensed as incurred during fiscal years 2022 and 2023 and included in the "Selling, general and administrative" line item in the Statements of Operations for those years. Legacy Arq's principal location is in Corbin, Kentucky where it operates the Corbin Facility, which processes bituminous coal waste into Arq Powder. Arq Powder can be used in high value applications, such as for a raw material to produce GAC products or as an additive in other applications. With the completion of the Arq Acquisition, the Company intends to use Arq Powder as a feedstock to produce high-quality AC for use in water and air purification markets. The Company expects to begin using Arq Powder to produce GAC products during the first quarter of 2025. The following table provides the final purchase price allocation to the assets acquired and liabilities assumed as of the Acquisition Date: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:82.671%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.545%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Purchase Price Allocation</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:left;vertical-align:bottom">Fair value of assets acquired:</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td

colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Cash</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1,411 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Prepaid expenses and other current assets</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,229 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Restricted cash, long-term</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">814 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Property, plant and equipment, net</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">39,159 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Other long-term assets, net</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-

color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">11,717 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 13pt;text-align:left;vertical-align:bottom">Amount attributable to assets acquired</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">55,330 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Fair Value of liabilities assumed:</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Accounts payable and accrued expenses</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,806 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Current portion of long-term debt</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">494 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Other current liabilities</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-

color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">103 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Long-term debt, net of current portion</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,199 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Other long-term liabilities</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,523 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 13pt;text-align:left;vertical-align:bottom">Amount attributable to liabilities assumed</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">24,125 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Net assets acquired</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">31,205 </td><td style="background-

color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> The following represents the intangible asset identified as part of the Arq Acquisition and which is included in "Other long-term-assets, net" in the table above: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:66.443%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.543%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.546%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Amount</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted Average Useful Life (years)</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:left;vertical-align:bottom">Developed technology</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">7,700 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">20</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td

colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table> Series A Preferred Stock In connection with the issuance of the Series A Preferred Stock pursuant to the Purchase Agreement, the Company filed the Certificate of Designations of Preferred Stock for the Series A Preferred Stock (the "Certificate of Designations") with the Secretary of State of the State of Delaware. Under the Certificate of Designations, 8.9 million preferred shares were designated as Series A Preferred Stock. Of the total Preferred Shares issued in the Arq Acquisition, 833,914 were held in escrow (the "Escrow Shares") based on a contingent redemption feature. The fair value of the Preferred Shares issued was determined to be $3.46 per Preferred Share on the Acquisition Date plus the value of the contingent redemption feature related to the Escrow Shares. The Escrow Shares were converted into shares of the Company's common stock (the "Escrow Common Shares") on the Conversion Date, as defined below. Pursuant to the terms of the Series A Preferred Stock, on March 31, 2023, the Company declared a dividend of 68,464 Series A paid-in kind shares (the "PIK Dividend") with respect to the accrued dividends on the Preferred Shares for the first quarter of 2023. The PIK Dividend was recorded at the estimated fair value of $0.2 million as of March 31, 2023 and was paid on April 21, 2023. On June 13, 2023 (the "Conversion Date"), the Company's stockholders approved the conversion of all of the outstanding shares of Series A Preferred Stock, including the Escrow Shares, and the corresponding issuance of shares of the Company's common stock. Upon such approval, each outstanding share of Series A Preferred Stock was automatically converted into the number of shares of the Company's common stock described below. Each share of Series A Preferred Stock was deemed to have an original issue price of $4.00 per share (the "Original Issue Amount"). The number of shares of the Company's common stock issued upon conversion of each share of Series A Preferred Stock was equal to the product of (i) the sum of (A) the Original Issue Amount plus (B) an amount equal to the cumulative amount of the accrued and unpaid dividends on such share at such time divided by (ii) the Original Issue Amount, subject to adjustment. The Escrow Common Shares were withheld pending a determination by the United States Internal Revenue Service (the "IRS") that no tax withholding was required by Arq Ltd. on the Purchase Consideration issued to Arq Ltd. (the "Arq Ltd. Tax Liability"). The Company estimated the fair value of the potential Arq Ltd. Tax Liability at $3.3 million. In the event that the IRS determined that no withholding was required by Arq Ltd., all of the Escrow Common Shares would be released and delivered to Arq Ltd. In the event that the IRS determined that any amount of withholding was required by Arq Ltd., the Company agreed to redeem a sufficient number of Escrow

Common Shares to fund the required payment to the IRS, and that number of Escrow Common Shares would be returned to the Company. In April 2024, the Company received notice from Arq Ltd. that the IRS had approved its filing for no tax withholding on the Purchase Consideration. Accordingly, in April 2024, the Company instructed its stock transfer agent to release the Escrow Common Shares to the Arq Ltd. stockholders. Equity Financing On February 1, 2023, and pursuant to the Arq Acquisition, the Company entered into Subscription Agreements (the "Subscription Agreements") with certain persons (the "Subscribers"), which included existing shareholders of Arq Ltd., three of which were appointed to the Company's Board of Directors (the "Board"), pursuant to which the Subscribers subscribed for and purchased shares of the Company's common stock for an aggregate purchase price of $15.4 million and at a price per share of $4.00 (such transaction, the "PIPE Investment"). Unaudited Pro Forma Financial Information The following represents the pro forma effects for the nine months ended September 30, 2023 of the Arq Acquisition as if it had occurred on January 1, 2023. The pro forma net loss for the period presented has been calculated after applying the Company’s accounting policies in effect for that period. In addition, pro forma net loss includes: (1) a decrease in depreciation and amortization of $0.2 million resulting from fair value adjustments to Property, plant, equipment; (2) an increase in amortization of $0.1 million resulting from fair value adjustments to intangible assets; and (3) increases to interest expense of $0.2 million for: (a) the issuance of the CFG Loan (as defined below) including stated interest and the amortization of the CFG Loan's discount and issuance costs and (b) amortization of debt discount related to a fair value adjustment to the CTB Loan (as defined below), which was assumed by the Company on the Acquisition Date; together with the income tax effects on (1) through (3). Since Legacy Arq had no revenues for the nine months ended September 30, 2023, pro forma revenues are the same as the Company's reported revenues for that period.</div><div style="margin-top:6pt"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td style="width:1.0%"></td><td style="width:82.648%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.385%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.567%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Nine Months Ended September 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:left;vertical-align:bottom">Revenues</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-

align:right;vertical-align:bottom">71,079 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Net loss</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(12,100)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>

* 131200000381486452944620.0013120000038148641240000052944621880000[illegible]*

style="margin-top:6pt;text-align:justify">The following table provides the final purchase price allocation to the assets acquired and liabilities assumed as of the Acquisition Date: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:82.671%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.545%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Purchase Price Allocation</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:left;vertical-align:bottom">Fair value of assets acquired:</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Cash</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">

1,411 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Prepaid expenses and other current assets</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,229 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Restricted cash, long-term</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">814 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Property, plant and equipment, net</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">39,159 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Other long-term assets, net</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">11,717 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 13pt;text-align:left;vertical-align:bottom">Amount attributable to assets acquired</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td

colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">55,330 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Fair Value of liabilities assumed:</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Accounts payable and accrued expenses</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,806 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Current portion of long-term debt</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">494 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Other current liabilities</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">103 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Long-term debt, net of current portion</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,203 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Deferred tax liabilities</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,203 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total liabilities assumed</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">55,330 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Net assets acquired</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">$ 55,330 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>

color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,199 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Other long-term liabilities</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,523 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 13pt;text-align:left;vertical-align:bottom">Amount attributable to liabilities assumed</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">24,125 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Net assets acquired</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">31,205 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> The following represents the intangible asset identified as part of the Arq Acquisition and which is included in "Other long-term-assets, net" in the table above: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:66.443%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td

style="width:1.0%"></td><td style="width:14.543%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.546%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Amount</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted Average Useful Life (years)</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:left;vertical-align:bottom">Developed technology</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">7,700 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:right;vertical-align:bottom">20</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table> 14110002229000814000391590001171700055330000980600049400010300091920000010000020000Since Legacy Arq had no revenues for the nine months ended September 30, 2023, pro forma revenues are the same as the Company's reported

revenues for that period. <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td style="width:1.0%"></td><td style="width:82.648%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.385%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.567%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Nine Months Ended September 30, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:left;vertical-align:bottom">Revenues</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">71,079 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Net loss</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(12,100)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> 71079000-12100000Revenue For the three and nine months ended September 30, 2024 and 2023, all material performance obligations related to revenue recognized were satisfied at a point in time. For the three and nine months ended September 30, 2024, approximately 5% and 7%, respectively, of total revenue was generated in Canada, and all other revenues were generated in the U.S. For the three and nine months ended September 30, 2023, 7% and 8%, respectively, of total revenue was generated in Canada, and all other revenues were generated in the U.S. Trade receivables Trade receivables represent an unconditional right to consideration in exchange for goods or services transferred to a customer. The Company invoices its customers in accordance with the terms of the contract. Credit terms are generally net 30 - 45 days from the date of invoice. The timing between the satisfaction of performance obligations and when payment is due from the customer is generally not significant. <span style="color:#000000;font-family:'Times New Roman',sans-

serif;font-size:10pt;font-style:italic;font-weight:400;line-height:120%;text-decoration:underline">Contract assets Contract assets are comprised of unbilled receivables from customers and are included in Receivables, net in the Consolidated Balance Sheets. Unbilled receivables represent a conditional right to consideration in exchange for goods or services transferred to a customer. The following table shows the components of the Company's Receivables, net:<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:68.490%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.373%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.377%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">September 30, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:top">Trade and other receivables, net</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">16,465 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Times New

Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">11,330 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Unbilled receivables</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">125 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,862 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 13pt;text-align:left;vertical-align:top">Receivables, net</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">16,590 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">16,192 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> Contract liabilities Contract liabilities are comprised of deferred revenue, which represents an obligation to transfer goods or services to a customer for which the Company has received consideration from the customer and, if deliverable within one year or less, are included in "Other current liabilities" in the Condensed Consolidated Balance Sheets and, if deliverable outside of one year, are included in "Other long-term liabilities" in the Condensed Consolidated Balance Sheets. 0.050.070.070.08Credit terms are generally net 30 - 45 days from the date of invoice. The following table shows the components of the

Company's Receivables, net:<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:68.490%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.373%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.377%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">September 30, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:top">Trade and other receivables, net</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">16,465 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">11,330 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Unbilled receivables</td><td

colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">125 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,862 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 13pt;text-align:left;vertical-align:top">Receivables, net</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">16,590 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">16,192 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
16465000113300001250004862000165900001619200 0Inventories, net The following table summarizes the Company's inventories as of September 30, 2024 and December 31, 2023: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td style="width:1.0%"></td><td style="width:69.031%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.102%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.103%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:8pt;font-

weight:700;line-height:100%">September 30, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Product inventory, net</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">11,498 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">9,524 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Raw material inventory</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6,989 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">10,169 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Total inventories, net </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">18,487 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td

colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">19,693 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="margin-top:6pt">The following table summarizes the Company's inventories as of September 30, 2024 and December 31, 2023:</div><div style="margin-top:9pt"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td style="width:1.0%"></td><td style="width:69.031%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.102%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.103%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">September 30, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Product inventory, net</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">11,498 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">9,524

</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Raw material inventory</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6,989 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">10,169 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Total inventories, net </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">18,487 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">19,693 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
11498000952400069890001016900018487000196930000ebt Obligations
<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:69.075%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.084%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"><span

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:8pt;font-style:italic;font-weight:400;line-height:100%">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">September 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:left;vertical-align:bottom">CFG Loan due February 2027, related party</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">10,000 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">10,000 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">CTB Loan due January 2036</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,123 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,527 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Finance lease obligations</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,192 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-

height:100%">3,465 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Other</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">258 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">21,573 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">22,992 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Unamortized debt discounts</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(623)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(815)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Unamortized debt issuance costs</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(992)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1,250)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td

*colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">19,958 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">20,927 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Less: Current maturities</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2,324)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2,653)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total long-term debt obligations</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">17,634 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">18,274 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
 CFG Loan <div style="margin-*

bottom:6pt;margin-top:6pt;text-align:justify">As required under the Purchase Agreement, and on February 1, 2023 (the "Closing Date"), the Company, as borrower, certain of its subsidiaries, as guarantors, and CF Global ("CFG"), a related party, as administrative agent and lender, entered into a term loan (the "CFG Loan") in the amount of $10.0 million, less original issue discount ("OID") of $0.2 million, upon execution of a Term Loan and Security Agreement (the "CFG Loan Agreement"). The Company received net cash proceeds of $8.5 million after deducting the OID and debt issuance costs of $1.3 million. One of the Company's directors is a principal with CFG. The CFG Loan Agreement also required the issuance of a warrant (the "Warrant") to CFG to purchase 325,457 shares of the Company's common stock at an exercise price of $0.01 per share. The Warrant had a term of 7 years and contained a cashless exercise provision. On March 29, 2024, CFG exercised the warrant in full and the Company issued CFG 324,955 shares of its common stock, net of shares representing the exercise price of the warrant. The CFG Loan matures on February 1, 2027 and bears interest at a rate equal to either (a) Adjusted Term SOFR (subject to a 1.00% floor and a cap of 2.00%) plus a margin of 9.00% paid in cash and 5.00% paid in kind or (b) Base Rate (as defined in the CFG Loan Agreement) plus a margin of 8.00% paid in cash and 5.00% paid in kind, which interest on the CFG Loan in each case shall be payable (or capitalized, in the case of in kind interest) quarterly in arrears. The Company may prepay the CFG Loan at any time subject to the following prepayment premium: (i) prior to the twelve month anniversary of the Closing Date, the Make-Whole Amount (as defined below), (ii) thereafter but prior to the thirty-six month anniversary of the Closing Date, 2.00% of the outstanding principal amount of the CFG Loan being repaid or prepaid or (iii) thereafter until the maturity date, 1.00% of the outstanding principal amount of the CFG Loan being repaid or prepaid. The "Make-Whole Amount," with respect to any repayment or prepayment, is (i) an amount equal to all required interest payable (except for currently accrued and unpaid interest) on the aggregate principal amount of the CFG Loan subject to such prepayment or repayment from the date of such prepayment or repayment through but excluding the date that is the first anniversary of the Closing Date calculated using an interest rate equal to (x) Adjusted Term SOFR for an interest period of one month in effect on the third U.S. Government Securities Business Day prior to such prepayment or repayment plus (y) 14.00% per annum and assuming all interest was paid in cash, plus (ii) a prepayment premium of 2.00% on the aggregate principal amount of the CFG Loan subject to such prepayment or repayment. The CFG Loan is secured by substantially all of the assets of the Company and its subsidiaries (including those acquired in the Acquisition, but excluding those pledged as collateral (the "CTB Loan Assets") under the CTB Loan, as defined and described below), subject to customary exceptions. The CFG Loan Agreement includes, among others, the following covenants: (1) a minimum unrestricted balance of $5.0 million as of the end of each fiscal quarter; (2) (x) as of December 31, 2024, for the fiscal year then ended, the Company must have a minimum annual revenue, on a consolidated basis, of $85.0 million and (y) for any fiscal year thereafter, the Company must have a minimum annual revenue, on a consolidated basis, of $100.0 million; (3) (x) as of December 31, 2024, for the fiscal year then ended, the Company must have a minimum Consolidated EBITDA of $3.0 million and (y) for any fiscal year thereafter, the Company must have a minimum Consolidated EBITDA of $16.0 million; and (4) during a period including a LTV Trigger Event (as defined in the

CFG Loan Agreement), the Company must not exceed a loan to value ratio of 0.40:1.00 (based on the consolidated total assets of the Company and its subsidiaries, but excluding the CTB Loan Assets). The Company allocated the cash proceeds of the CFG Loan to both the CFG Loan and the Warrant based on their relative fair values. The amount allocated to the Warrant was recorded as a debt discount and is amortized to interest expense over the term of the CFG Loan. The standalone fair value of the CFG Loan was based on a comparison of borrowings and associated credit ratings consistent with those of the Company. As the Warrant was exercisable for $0.01 per share, the fair value was deemed to be equal to the fair value of the underlying shares, and accordingly, the fair value of the Warrant was determined as the number of shares issuable from the exercise of the Warrant (based on 1.0% of post-transaction fully diluted share capital, as defined in the Purchase Agreement) multiplied by the closing share price of the Company's common stock on the Acquisition Date. CTB Loan Upon completion of the Arq Acquisition, the Company assumed a term loan (the "CTB Loan") held by certain Arq subsidiaries as set out in the CTB Loan (the "Arq Subsidiaries") with a financial institution ("CTB") in the principal amount of $10.0 million. The Company recorded the CTB Loan on the Acquisition Date at its estimated fair value of $9.7 million, with the difference of $0.3 million between the estimated fair value and the principal amount recorded as a debt discount and recognized as interest expense over the term of the CTB Loan. The CTB Loan was originally entered into on January 27, 2021 and is comprised of two promissory notes (the "Notes"): (1) "Note A" in the principal amount of $8.0 million, which is guaranteed by the U.S. Department of Agriculture; and (2) "Note B" in the principal amount of $2.0 million. The Notes mature on January 27, 2036 and bear interest at 6.0% per annum through January 2026 and at the prime rate plus 2.75% thereafter. The Company is required to make combined interest and principal payments monthly in the fixed amount of $0.1 million. Interest is computed and payable on the outstanding principal as of the end of the prior month and the balance of the fixed monthly payment amount is applied to the outstanding principal. The Notes carry a prepayment penalty of 3.0% of the outstanding principal if paid prior to January 27, 2024, 2.0% of the outstanding principal if paid prior to January 27, 2025 and 1.0% of the outstanding principal if paid prior to January 27, 2026. Thereafter, the Notes may be prepaid without penalty. On June 2, 2023 (the "Amendment Date"), certain of the Arq Subsidiaries, which included Corbin Project LLC, Arq Projects Holding Company LLC, Arq St. Rose LLC, Arq Corbin LLC and Arq Corbin Land LLC (collectively, the "Borrowers") and CTB entered into a loan modification agreement (the "CTB Loan Modification Agreement") to the CTB Loan, as amended by that certain letter agreement by and among CTB and Borrowers dated January 21, 2022, and as otherwise amended, modified and/or extended by the parties from time to time (collectively, the "CTB Loan Agreement"). As consideration for CTB entering into the CTB Loan Modification Agreement, the Borrowers agreed to pay a fee of $50,000 plus additional fees incurred by CTB and were required to deposit an additional $0.7 million into a deposit account (the "Interest Reserve Account" as defined in the CTB Loan Agreement), where the Interest Reserve Account is held as collateral by CTB. The Borrowers may withdraw funds from the Interest Reserve Account beginning one year from the Amendment Date, subject to restrictions as stated in the CTB Loan

Modification Agreement. The CTB Loan Modification Agreement clarified and modified certain terms under the CTB Loan Agreement. The principal clarifications and modifications in effect are as follows: •The Borrowers are not entitled to any further disbursements of proceeds under those promissory notes described in the CTB Loan Modification Agreement; •CTB agreed to waive certain required financial covenants required as of December 31, 2023; and •CTB is authorized to amend and/or amend and restate its then-current security instruments to include additional collateral represented by the Borrowers' acquisition of any equipment or other fixed and/or operating assets in which CTB does not then hold a lien or security interest. The CTB Loan is secured by substantially all assets of the Borrowers and includes among others, the following covenants with respect to the Borrowers, which are tested annually (Capitalized terms are defined in the CTB Loan Agreement): (a) Total Indebtedness to Net Worth greater than 4 to 1; (b) Balance Sheet Equity greater than or equal to 20% of the book value of all assets of the Borrowers; (c) (i) net income plus interest, taxes, depreciation and amortization divided by (ii) interest expense plus current maturities on long-term debt greater than or equal to 1.25 to 1. The carrying values of both the CFG Loan and the CTB Loan approximate their fair values as both instruments bear interest at rates indexed to market rates for similar instruments. <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:69.075%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.084%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:8pt;font-

weight:700;line-height:100%">September 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:left;vertical-align:bottom">CFG Loan due February 2027, related party</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">10,000 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">10,000 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">CTB Loan due January 2036</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,123 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,527 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Finance lease obligations</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,192 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,465 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Other</td><td colspan="3"

style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">258 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">21,573 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">22,992 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Unamortized debt discounts</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(623)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(815)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Unamortized debt issuance costs</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(992)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1,250)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-

*align:right;vertical-align:bottom">19,958 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">20,927 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Less: Current maturities</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2,324)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2,653)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total long-term debt obligations</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">17,634 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">18,274 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> *
10000000100000000912300095270002192000346500025800002157300022992000
* The Company's operating and finance lease right-of-use ("ROU") assets and liabilities as of September 30, 2024 and December 31, 2023 consisted of the following items (in thousands): <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:60.742%"></td><td style="width:0.1%"></td><td style="width:0.1%">*

</td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.443%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:18.347%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Leases</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">September 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:left;vertical-align:bottom">Operating Leases</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Operating lease right-of-use assets, net of accumulated amortization (1) </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">9,331 </td><td

style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">10,592 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Operating lease obligations, current</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1,991 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1,944 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Long-term operating lease obligations</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7,569 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8,870 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total operating lease obligation</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom"><span

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">9,560 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">10,814 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Finance Leases</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"><div>Finance lease right-of-use assets, net of accumulated amortization (2)</div></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">975 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">1,694 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3"

style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Finance lease obligations, current</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">1,699 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">2,131 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Long-term finance lease obligations</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">493 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,334 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total finance lease obligations</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">2,192 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom"><span

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">3,465 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> (1) Operating lease ROU assets are reported net of accumulated amortization of $4.0 million and $5.1 million as of September 30, 2024 and December 31, 2023, respectively. (2) Finance lease ROU assets are reported net of accumulated amortization of $3.0 million and $2.7 million as of September 30, 2024 and December 31, 2023, respectively. Operating leases ROU assets under operating leases and operating lease liabilities are included in the "Other long-term assets" and "Other current liabilities" and "Other long-term liabilities" line items, respectively, in the Condensed Consolidated Balance Sheets as of September 30, 2024 and December 31, 2023. Lease expense for operating leases for the three and nine months ended September 30, 2024 was $1.3 million and $4.0 million, respectively, of which $0.9 million and $2.9 million, respectively, is included in the "Cost of revenue, exclusive of depreciation and amortization" line item, and $0.4 million and $1.1 million, respectively, is included in the "Selling, general and administrative" line item in the Condensed Consolidated Statements of Operations for those periods. Lease expense for operating leases for the three and nine months ended September 30, 2023 was $1.6 million and $4.3 million, respectively, of which $1.2 million and $3.4 million, respectively, is included in the "Cost of revenue, exclusive of depreciation and amortization" line item, and $0.4 million and $0.9 million, respectively, is included in the "Selling, general and administrative" line item in the Condensed Consolidated Statements of Operations for those periods. Finance leases ROU assets under finance leases are included in the "Property, plant and equipment" line item in the Condensed Consolidated Balance Sheets as of September 30, 2024 and December 31, 2023. Interest expense related to finance lease obligations and amortization of ROU assets under finance leases are included in the "Interest expense" and "Depreciation,

amortization, depletion and accretion" line items, respectively, in the Condensed Consolidated Statements of Operations for the three and nine months ended September 30, 2024 and 2023. Lease financial information as of and for the three and nine months ended September 30, 2024 and 2023 is provided in the following table: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:45.245%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.473%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.624%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended September 30,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Nine Months Ended September 30,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Finance lease cost:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt

2px 12.25pt;text-align:left;vertical-align:bottom">Amortization of right-of-use assets</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">46 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">215 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">466 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">661 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Interest on lease liabilities</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">50 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">59 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">149 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span style="color:#000000;font-

family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">190 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Operating lease cost</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">773 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,000 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,448 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,017 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:bottom">Short-term lease cost</td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">437 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">481 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,220 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,132 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Variable lease cost (1)

</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">104 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">81 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">313 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">145 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total lease cost</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,410 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,836 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">4,596 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-

align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">5,145 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Other Information:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Cash paid for amounts included in the measurement of lease liabilities:</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Operating cash flows for finance leases</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">149 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td

style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">190 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Operating cash flows for operating leases</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1,512 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">2,087 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Financing cash flows for finance leases</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">838 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">855 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Right-of-use assets obtained in exchange for new finance lease liabilities</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-

color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Right-of-use assets obtained in exchange for new operating lease liabilities</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">257 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">1,947 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Weighted-average remaining lease term – finance leases</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">1.2 years</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">2.1 years</td></tr>

<tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Weighted-average remaining lease term - operating leases</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">7.4 years</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">7.8 years</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Weighted-average discount rate - finance leases</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6.4 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5.9 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Weighted-average discount rate - operating leases</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12.4 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12.7 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"><span

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">%</td></tr></table> (1) Primarily includes common area maintenance, property taxes and insurance payable to lessors. Leases The Company's operating and finance lease right-of-use ("ROU") assets and liabilities as of September 30, 2024 and December 31, 2023 consisted of the following items (in thousands): <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:60.742%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.443%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:18.347%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Leases</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">September 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:left;vertical-align:bottom">Operating Leases</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3"

style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Operating lease right-of-use assets, net of accumulated amortization (1) </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">9,331 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">10,592 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Operating lease obligations, current</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1,991 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1,944 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Long-term operating lease obligations</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7,569 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-

align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8,870 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total operating lease obligation</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">9,560 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">10,814 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Finance Leases</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Finance lease right-of-use assets, net of accumulated amortization (2) </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-

serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">975 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">1,694 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Finance lease obligations, current</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">1,699 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">2,131 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Long-term finance lease obligations</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">493 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,334 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total finance lease obligations</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid

#000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">2,192 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">3,465 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> (1) Operating lease ROU assets are reported net of accumulated amortization of $4.0 million and $5.1 million as of September 30, 2024 and December 31, 2023, respectively. (2) Finance lease ROU assets are reported net of accumulated amortization of $3.0 million and $2.7 million as of September 30, 2024 and December 31, 2023, respectively. Operating leases ROU assets under operating leases and operating lease liabilities are included in the "Other long-term assets" and "Other current liabilities" and "Other long-term liabilities" line items, respectively, in the Condensed Consolidated Balance Sheets as of September 30, 2024 and December 31, 2023. Lease expense for operating leases for the three and nine months ended September 30, 2024 was $1.3 million and $4.0 million, respectively, of which $0.9 million and $2.9 million, respectively, is included in the "Cost of revenue, exclusive of depreciation and amortization" line item, and $0.4 million and $1.1 million, respectively, is included in the "Selling, general and administrative" line item in the Condensed Consolidated Statements of Operations for those periods. Lease expense for

operating leases for the three and nine months ended September 30, 2023 was $1.6 million and $4.3 million, respectively, of which $1.2 million and $3.4 million, respectively, is included in the "Cost of revenue, exclusive of depreciation and amortization" line item, and $0.4 million and $0.9 million, respectively, is included in the "Selling, general and administrative" line item in the Condensed Consolidated Statements of Operations for those periods. Finance leases ROU assets under finance leases are included in the "Property, plant and equipment" line item in the Condensed Consolidated Balance Sheets as of September 30, 2024 and December 31, 2023. Interest expense related to finance lease obligations and amortization of ROU assets under finance leases are included in the "Interest expense" and "Depreciation, amortization, depletion and accretion" line items, respectively, in the Condensed Consolidated Statements of Operations for the three and nine months ended September 30, 2024 and 2023. Lease financial information as of and for the three and nine months ended September 30, 2024 and 2023 is provided in the following table: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:45.245%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.473%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.624%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended September 30,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Nine Months Ended September 30,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-

align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Finance lease cost:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Amortization of right-of-use assets</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">46 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">215 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">466 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">661 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Interest on lease liabilities</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">50 </td><td

style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">59 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">149 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">190 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Operating lease cost</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">773 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,000 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,448 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,017 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Short-term lease cost</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">437 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">481 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2"

style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,220 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,132 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Variable lease cost (1) </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">104 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">81 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">313 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">145 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total lease cost</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,410 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-

align:right;vertical-align:bottom">1,836 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">4,596 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">5,145 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Other Information:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Cash paid for amounts included in the measurement of lease liabilities:</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Operating cash flows for finance leases</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td

colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">149 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">190 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Operating cash flows for operating leases</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1,512 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">2,087 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Financing cash flows for finance leases</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">838 </td><td style="background-

color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">855 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Right-of-use assets obtained in exchange for new finance lease liabilities</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Right-of-use assets obtained in exchange for new operating lease liabilities</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">257 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">1,947 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-

color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Weighted-average remaining lease term - finance leases</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">1.2 years</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">2.1 years</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Weighted-average remaining lease term - operating leases</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">7.4 years</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">7.8 years</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Weighted-average discount rate - finance leases</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6.4 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5.9 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Weighted-average discount rate - operating leases</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-

color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12.4 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12.7 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr></table> (1) Primarily includes common area maintenance, property taxes and insurance payable to lessors. The Company's operating and finance lease right-of-use ("ROU") assets and liabilities as of September 30, 2024 and December 31, 2023 consisted of the following items (in thousands): <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:60.742%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.443%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:18.347%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Leases</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">September 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt;text-align:left;vertical-align:bottom">Operating Leases</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3"

style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Operating lease right-of-use assets, net of accumulated amortization (1) </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">9,331 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">10,592 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Operating lease obligations, current</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1,991 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0

2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1,944 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Long-term operating lease obligations</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7,569 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8,870 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total operating lease obligation</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">9,560 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">10,814 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Finance Leases</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3"

style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Finance lease right-of-use assets, net of accumulated amortization (2) </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">975 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">1,694 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Finance lease obligations, current</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">1,699 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">2,131 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Long-term finance lease obligations</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2"

style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">493 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,334 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total finance lease obligations</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">2,192 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">3,465 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> (1) Operating lease ROU assets are reported net of accumulated amortization of $4.0 million and $5.1 million as of September 30, 2024 and December 31, 2023, respectively. (2) Finance lease ROU assets are reported net of accumulated amortization of $3.0 million and $2.7 million as of September 30, 2024 and December 31, 2023, respectively. Lease financial information as of and for the three and nine months ended September 30, 2024 and 2023 is provided in the following table: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:45.245%"></td><td style="width:0.1%">

</td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.473%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.624%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended September 30,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Nine Months Ended September 30,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Finance lease cost:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Amortization of right-of-use assets</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-

weight:400;line-height:100%">46 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">215 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">466 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">661 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Interest on lease liabilities</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">50 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">59 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">149 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">190 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Operating lease cost</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-

serif;font-size:10pt;font-weight:400;line-height:100%">773 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,000 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,448 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,017 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Short-term lease cost</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">437 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">481 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,220 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,132 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Variable lease cost (1) </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">104 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">81 </td>

<td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">313 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">145 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total lease cost</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,410 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,836 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">4,596 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">5,145 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3"

style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:bottom">Other Information:</td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Cash paid for amounts included in the measurement of lease liabilities:</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Operating cash flows for finance leases</td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;padding:2px 0;text-align:right;vertical-align:bottom">149 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;padding:2px 0;text-align:right;vertical-align:bottom">190 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Operating cash flows for operating leases</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3"

style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1,512 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">2,087 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:bottom">Financing cash flows for finance leases</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">838 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">855 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Right-of-use assets obtained in exchange for new finance lease liabilities</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td>

<td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Right-of-use assets obtained in exchange for new operating lease liabilities</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">257 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">1,947 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Weighted-average remaining lease term - finance leases</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">1.2 years</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">2.1 years</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Weighted-average remaining lease term - operating leases</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt">

*style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">7.4 years</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">7.8 years</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Weighted-average discount rate - finance leases</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6.4 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5.9 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Weighted-average discount rate - operating leases</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12.4 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12.7 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr></table> (1) Primarily includes common area maintenance, property taxes and insurance payable to lessors.
9331000105920001991000194400075690008870000956000010814000975000160

and Contingencies Surety Bonds and Restricted Cash As the owner of the Five Forks Mine, the Company is required to post a surety bond with a regulatory commission related to performance requirements associated with the Five Forks Mine. As of September 30, 2024, the amount of this surety bond was $7.5 million. The Company leases land adjacent to the Corbin Facility and is required to post surety bonds with a regulatory commission for reclamation. As of September 30, 2024, the amount of these surety bonds was $3.0 million. The Company holds permits for an abandoned mine in West Virginia ("Mine 4") and is required to post a surety bond with a regulatory commission for reclamation. As of September 30, 2024, the amount of this surety bond was $0.7 million. As of September 30, 2024 and December 31, 2023, the Company posted cash collateral of $8.5 million and $8.5 million, respectively, as required by the Company's surety bond providers, which is reported as long-term restricted cash in the Condensed Consolidated Balance Sheets. As of September 30, 2024, the Company holds a deposit of $0.4 million with a third party for collateral as required under a bonding arrangement for Mine 4. This deposit is included in "Other long-term assets, net" in the Condensed Consolidated Balance Sheet as of September 30, 2024. The Company has a customer supply agreement that requires the Company to post a performance bond in an amount equal to the annual contract value of $3.7 million. As of September 30, 2024, the remaining commitment under this customer contract, which expires on December 31, 2024, was approximately $1.3 million. Red River Plant Construction Contract In January 2024, the Company executed a contract with a third-party contractor for the construction of a GAC facility at the Red River Plant, and immediately commenced construction operations. The Company terminated the contract in September 2024, and anticipates completing construction and commissioning with internal resources fulfilling the role of the third-party contractor. The Company expects to complete its first deliveries in the first quarter of 2025 and estimates that total construction costs will be in the range of $75.0 - $80.0 million. Tinuum Group <span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-

weight:400;line-height:120%">The Company has certain limited obligations contingent upon future events in connection with the activities of Tinuum Group. The Company, NexGen Refined Coal, LLC ("NexGen") and two entities affiliated with NexGen have provided another Tinuum Group owner with limited guarantees (the "Tinuum Group Party Guarantees") related to certain losses it may suffer as a result of inaccuracies or breach of representations and covenants. The Company also is a party to a contribution agreement with NexGen under which any party called upon to pay on a Tinuum Group Party Guaranty is entitled to receive contribution from the other party equal to 50% of the amount paid. No liability or expense provision has been recorded by the Company related to this contingent obligation as the Company believes that it is not probable that a loss will occur with respect to Tinuum Group Party Guarantees. As of September 30, 2024 and December 31, 2023, the Company has a contractual obligation (the "Tinuum Group Obligation") of $1.7 million for its share of certain contingent liabilities of Tinuum Group as required under the Distribution and Repayment Agreement (the "Repayment Agreement") that was executed in December 2022 by the Company and certain owners of Tinuum Group. The Tinuum Group Obligation is included in the "Other current liabilities" line item in the Consolidated Balance Sheet. Legal Proceedings The Company is from time to time subject to various pending or threatened legal actions and proceedings, including those that arise in the ordinary course of its business. Such matters are subject to many uncertainties and outcomes, the financial impacts of which are not predictable with assurance and that may not be known for extended periods of time. The Company records a liability in its consolidated financial statements for costs related to claims, settlements and judgments where management has assessed that a loss is probable and an amount can be reasonably estimated. As of September 30, 2024, there were no material pending legal proceedings to which the Company is a party.750000030000000700000085000008500000400000037000001300000075000000.080

Financial Information Supplemental Balance Sheet Information The following table summarizes the components of Prepaid expenses and other current assets, and Other long-term assets, net as presented in the Condensed Consolidated Balance Sheets: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:98.830%"><tr><td style="width:1.0%"></td><td style="width:65.763%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.539%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.728%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.539%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.731%"></td><td style="width:0.1%"></td></tr><tr style="height:12pt"><td colspan="3" style="padding:0 1pt"></td><td colspan="3" rowspan="2" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of</td></tr><tr style="height:12pt"><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-

*align:center;vertical-align:bottom">September 30, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none">

color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:top">Prepaid income taxes and income tax refunds</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">192 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">349 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Other</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,021 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,436 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Total prepaid expenses and other current assets</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">3,530 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">5,215 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:14pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Other long-term assets, net:</td><td colspan="3" style="background-color:#cceeff;padding:0

1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Spare parts, net</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">10,753 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">9,147 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Right of use assets, operating leases, net</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,331 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">10,592 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Intangible assets, net</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7,644 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7,899 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Mine development costs, net</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-

serif;font-size:10pt;font-weight:400;line-height:100%">7,125 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7,377 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top"> Upfront Customer Consideration (1) </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,586 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,967 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Mine reclamation asset, net</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,856 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,955 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:top">Other </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,546 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,663 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td

colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Total other long-term assets, net</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">44,841 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">45,600 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> (1) Represents remaining balance on consideration paid to a customer under a supply contract executed in 2020. This asset is being amortized as a reduction to revenue on a straight-line basis over the expected 15-year contractual period of the contract. Spare parts include critical spares required to support plant operations. Mine development costs include acquisition costs, the cost of other development work and mitigation costs related to the Five Forks Mine and are depleted over the estimated life of the related mine reserves. Mine reclamation asset, net represents an asset retirement obligation ("ARO") asset related to the Five Forks Mine and is depreciated over its estimated life. As of September 30, 2024 and December 31, 2023, Other includes the Highview Investment in the amount of $0.6 million that is carried at cost, less impairment, plus or minus observable changes in price for identical or similar investments of the same issuer. The following table details the components of Other current liabilities and Other long-term liabilities as presented in the Condensed Consolidated Balance Sheets: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td

style="width:1.0%"></td><td style="width:66.151%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.543%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.546%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">September 30, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:top">Other current liabilities:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Current portion of operating lease obligations</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1,991 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1,944 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Sales, use and other taxes payable</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-

align:bottom">1,719 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">948 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Current portion of asset retirement obligations</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,259 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">182 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top"> Other(1) </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,702 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,718 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 13pt;text-align:left;vertical-align:top">Total other current liabilities</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-

align:bottom">7,671 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">5,792 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:14pt"><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Other long-term liabilities:</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Operating lease obligations, long-term</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">7,569 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">8,870 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Asset retirement obligations</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,335 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Times New

Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">5,981 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Other</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,125 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">929 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 13pt;text-align:left;vertical-align:bottom">Total other long-term liabilities</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">14,029 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">15,780 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> (1) Included in Other current liabilities as of September 30, 2024 and December 31, 2023 is $1.7 million for the Tinuum Group Obligation as discussed in Note 7

. As of September 30, 2024 and December 31, 2023, the ARO related to the Five Forks Mine is included in Other long-term liabilities. The Mine reclamation liabilities represent AROs. Changes in the AROs were as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:66.443%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.543%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.546%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">September 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:top">Asset retirement obligations, beginning of period</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">6,163 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">8,533 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top"> <span style="color:#000000;font-family:'Times New Roman',sans-serif;font-

size:10pt;font-weight:400;line-height:100%">Asset retirement obligations assumed(1) </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,500 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Accretion</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">496 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">582 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top"> Liabilities settled(2) </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(65)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(4,866)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Changes due to scope and timing of reclamation</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">414 </td><td

style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Asset retirement obligations, end of period</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6,594 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6,163 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Less current portion</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,259 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">182 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Asset retirement obligations, long-term</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">5,335 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">5,981 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> <span style="color:#000000;font-family:'Times New Roman',sans-

serif;font-size:5.85pt;font-weight:400;line-height:120%;position:relative;top:-3.15pt;vertical-align:baseline">(1) Represents the Corbin ARO and Mine 4 ARO in the amounts of $0.5 million and $1.0 million, respectively, assumed during the period ended December 31, 2023. (2) Included in liabilities settled during the period ended December 31, 2023 is $4.7 million related to the removal of the ARO associated with Marshall Mine, LLC as a result of the sale of Marshall Mine, LLC in March 2023. Supplemental Income Statement Information Tinuum Group, LLC As of September 30, 2024 and December 31, 2023, the Company's ownership interest in Tinuum Group, an equity method investment, was 42.5%. For the three and nine months ended September 30, 2024, the Company recognized earnings from Tinuum Group of $0.1 million. For the three and nine months ended September 30, 2023, the Company recognized earnings from Tinuum Group of $0.2 million and $1.1 million, respectively. In 2024, Tinuum Group, LLC has continued to wind down its operations. For the three and nine months ended September 30, 2024, the Company recognized expense of $0.2 million and $0.7 million, respectively, in Cost of revenue, exclusive of depreciation and amortization, related to royalties owed to Tinuum Group under an agreement for certain of the Company's sales of M-ProveTM products. For the three and nine months ended September 30, 2023, the Company recognized expense of $0.2 million and $0.6 million, respectively, in Cost of revenue, exclusive of depreciation and amortization, related to royalties owed to Tinuum Group under an agreement for certain of the Company's sales of M-ProveTM products. The following table summarizes the components of Prepaid expenses and other current assets, and Other long-term assets, net as presented in the Condensed Consolidated Balance Sheets: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:98.830%"><tr><td style="width:1.0%"></td><td style="width:65.763%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.539%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.728%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.539%"></td><td

style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.731%"></td><td style="width:0.1%"></td></tr><tr style="height:12pt"><td colspan="3" style="padding:0 1pt"></td><td colspan="3" rowspan="2" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of</td></tr><tr style="height:12pt"><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">September 30, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:top">Prepaid expenses and other current assets:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:top">Prepaid expenses</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-

*serif;font-size:10pt;font-weight:400;line-height:100%">1,317 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">2,430 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:top">Prepaid income taxes and income tax refunds</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">192 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">349 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Other</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,021 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,436 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Total prepaid expenses and other current assets</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">3,530 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">5,215 *

</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:14pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:top">Other long-term assets, net:</td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Spare parts, net</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">10,753 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">9,147 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Right of use assets, operating leases, net</td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9,331 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">10,592 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Intangible assets, net</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7,644 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-

color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7,899 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Mine development costs, net</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7,125 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7,377 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top"> Upfront Customer Consideration (1) </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,586 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,967 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Mine reclamation asset, net</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,856 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,955 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:top">Other </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,546 </td><td

*style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,663 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Total other long-term assets, net</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">44,841 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">45,600 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> (1) Represents remaining balance on consideration paid to a customer under a supply contract executed in 2020. This asset is being amortized as a reduction to revenue on a straight-line basis over the expected 15-year contractual period of the contract. **1317000243000019200034900020210002436000353000052150001075300091475** The following table details the components of Other current liabilities and Other long-term liabilities as presented in the Condensed Consolidated Balance Sheets: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:66.151%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.543%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.546%">*

</td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">September 30, 2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:top">Other current liabilities:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Current portion of operating lease obligations</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1,991 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1,944 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Sales, use and other taxes payable</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,719 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px

1pt;text-align:right;vertical-align:bottom">948 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Current portion of asset retirement obligations</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,259 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">182 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top"> Other(1) </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,702 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,718 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 13pt;text-align:left;vertical-align:top">Total other current liabilities</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">7,671 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt

solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">5,792 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:14pt"><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Other long-term liabilities:</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Operating lease obligations, long-term</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">7,569 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">8,870 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Asset retirement obligations</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,335 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,981 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td>

<td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Other</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,125 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">929 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 13pt;text-align:left;vertical-align:bottom">Total other long-term liabilities</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">14,029 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">15,780 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> (1) Included in Other current liabilities as of September 30, 2024 and December 31, 2023 is $1.7 million for the Tinuum Group Obligation as discussed in Note 7. 1991000194400017190009480001259000182000270200027180007671000579200 <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-

bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:66.443%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.543%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.546%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">September 30, 2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:top">Asset retirement obligations, beginning of period</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">6,163 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">8,533 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top"> Asset retirement obligations assumed(1) </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-

align:right;vertical-align:bottom">1,500 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Accretion</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">496 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">582 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top"> Liabilities settled(2) </td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(65)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(4,866)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Changes due to scope and timing of reclamation</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">414 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Asset retirement obligations, end of period</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6,594 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td

colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6,163 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Less current portion</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,259 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">182 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Asset retirement obligations, long-term</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">5,335 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">5,981 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> (1) Represents the Corbin ARO and Mine 4 ARO in the amounts of $0.5 million and $1.0 million, respectively, assumed during the period ended December 31, 2023. (2) Included in liabilities settled during the period

ended December 31, 2023 is $4.7 million related to the removal of the ARO associated with Marshall Mine, LLC as a result of the sale of Marshall Mine, LLC in March 2023.
**
* 6163000853300001500000496000582000650004866000041400065940006163002000000-700000-200000-600000Stockholders' Equity Common Stock Transactions*
* In April 2024, the Company received $0.8 million in cash and issued 422,221 shares of its common stock pursuant to a subscription agreement between the Company and its CEO executed in July 2023. *
* In May 2024, the Company entered into a securities purchase agreement (the "SPA") with certain accredited investors for the sale of an aggregate of 2,142,858 shares of the Company's common stock, at a selling price of $7.00 per share (the "Private Placement"). After deducting offering costs, the Company raised net cash proceeds of $15.0 million from the Private Placement. *
* In September 2024, the Company entered into an underwriting agreement (the "Underwriting Agreement") with certain underwriters, relating to the issuance and sale of 4,770,000 shares of the Company's common stock at a price to the public of $5.25 per share, as well as an overallotment option to purchase an additional 715,500 shares within 30 days following the date of the Underwriting Agreement (the "Public Offering"). The Company issued a total of 5,485,500 shares, inclusive of 715,500 shares issued pursuant to the underwriters' fully exercised overallotment option, and received net proceeds, after deducting offering costs, of approximately $26.7 million from the Public Offering. *
* Stock Repurchase Program As of September 30, 2024, the Company had $7.0 million remaining under a stock repurchase program, which will remain in effect until all amounts are utilized or is otherwise modified by the Board. The Company did not repurchase any shares during the three and nine months ended September 30, 2024 or 2023. Tax Asset Protection Plan U.S. federal income tax rules, and Section 382 of the Internal Revenue Code in particular, could substantially limit the use of net operating losses and tax credits if the Company experiences an "ownership change" (as defined in the Internal Revenue Code). In general, an ownership change occurs if there is a cumulative change in the ownership of the Company by "5 percent stockholders" that exceeds 50 percentage points over a rolling three-year period. An entity that experiences an ownership change generally will be subject to an annual limitation on its pre-ownership change tax loss and credit carryforwards equal to the equity value of the entity immediately before the ownership change, multiplied by the long-term, tax-exempt rate posted monthly by the Internal Revenue Service (subject to certain adjustments). The annual limitation would be*

*increased each year to the extent that there is an unused limitation in a prior year. On May 5, 2017, the Board approved the declaration of a dividend of rights to purchase Series B Junior Participating Preferred Stock for each outstanding share of common stock as part of a tax asset protection plan (the "TAPP"), which is designed to protect the Company's ability to utilize its net operating losses and tax credits. The TAPP is intended to act as a deterrent to any person acquiring beneficial ownership of 4.99% or more of the Company's outstanding common stock. On April 12, 2024, the Board approved the Seventh Amendment to the TAPP (the "Seventh Amendment"), which amends the TAPP, as previously amended by the First, Second, Third, Fourth, Fifth and Sixth Amendments that were approved by the Board on April 6, 2018, April 5, 2019, April 9, 2020, April 9, 2021, March 15, 2022, and April 13, 2023, respectively. The Seventh Amendment amends the definition of "Final Expiration Date" under the TAPP to extend the duration of the TAPP and makes associated changes in connection therewith. Pursuant to the Seventh Amendment, the Final Expiration Date shall be the close of business on the earlier of (i) December 31, 2025 or (ii) December 31, 2024 if stockholder approval of the Seventh Amendment has not been obtained prior to such date. At the Company's 2024 Annual Meeting of Stockholders held on June 10, 2024, the Company's stockholders approved the Seventh Amendment, thus the final expiration date will be the close of business on December 31, 2025. *8000004222212142858 7.00150000004770000 5.25715500P30D548550071550026

Based Compensation The Company grants equity-based awards to employees, non-employee directors and consultants that may include, but are not limited to, RSAs, PSUs, restricted stock units and stock options. Stock-based compensation expense related to manufacturing employees and administrative employees is included in the "Cost of revenue" and "Selling, general and administrative" line items, respectively, in the Condensed Consolidated Statements of Operations. Stock-based compensation expense related to non-employee directors and consultants is included in the "Selling, general and administrative" line item in the Condensed Consolidated Statements of Operations. Total stock-based compensation expense for the three and nine months ended September 30, 2024 and 2023 was as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:38.227%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.543%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.935%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.496%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.379%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-

align:center;vertical-align:bottom">Three Months Ended September 30,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Nine Months Ended September 30,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">RSA expense</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">483 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">501 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,268 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New

Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,405 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">PSU expense</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">206 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">151 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">735 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">355 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Stock option expense</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">61 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">50 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">182 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-

height:100%">50 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total stock-based compensation expense</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">750 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">702 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">2,185 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,810 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> The amount of unrecognized compensation cost as of September 30, 2024, and the expected weighted-average period over which the cost will be recognized is as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:66.151%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.543%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%">

</td><td style="width:14.546%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of September 30, 2024</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands, expect years)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Unrecognized Compensation Cost</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Expected Weighted-
Average Period of
Recognition (in years)</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">RSA expense</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3,414 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom">1.82</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">PSU expense</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,400 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">1.09</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Stock option expense</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">435 </td><td style="background-color:#cceeff;padding:2px 1pt

2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">1.79</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total unrecognized stock-based compensation expense</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">5,249 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">1.62</td></tr></table> Restricted Stock Awards RSAs are typically granted with vesting terms of three years. The fair value of RSAs is determined based on the closing price of the Company's common stock on the authorization date of the grant multiplied by the number of shares subject to the stock award. Compensation expense for RSAs is generally recognized on a straight-line basis over the entire vesting period. A summary of RSA activity under the Company's various stock compensation plans for the nine months ended September 30, 2024 is presented below: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:66.151%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.543%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.546%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Restricted Stock</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted-Average Grant Date Fair Value</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td

colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Non-vested at January 1, 2024</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">790,005 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3.10 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Granted</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">577,159 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">5.79 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Vested</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(541,166)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New

Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">3.34 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Forfeited</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(55,197)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">2.82 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Non-vested at September 30, 2024</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">770,801 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">4.99 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table> Performance Share Units Compensation expense for PSUs is recognized on a straight-line basis over the applicable service period, which is generally three years, based on the estimated fair value at the date of grant. The estimated fair value at the date of grant is determined using a Monte Carlo simulation model for those PSUs with

*market-based performance conditions. A summary of PSU activity for the nine months ended September 30, 2024 is presented below: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:48.169%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.595%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.595%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.602%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Units</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted-Average
Grant Date
Fair Value</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Aggregate Intrinsic Value (in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted-Average
Remaining
Contractual
Term (in years)</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">PSUs outstanding, January 1, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">968,918 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">2.06 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Granted*

</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">115,877 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">10.94 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top"><div>Vested / Settled(1)</div></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(150,000)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">2.28 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Forfeited / Canceled</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(57,750)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">5.90 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt">

</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">PSUs outstanding, September 30, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">877,045 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">2.94 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">5,148 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">1.09</td></tr></table> (1) The number of units shown in the table above are based on target performance. The final number of shares of common stock issued may vary depending on the achievement of market or performance conditions established within the awards, which could result in the actual number of shares issued ranging from zero to a maximum of two times the number of units shown in the above table. For the three and nine months ended September 30, 2024, 150,000 shares of common stock were issued upon vesting of PSUs. Stock Options Stock options vest over three years and have a contractual limit of ten years from the date of grant to exercise. The fair value of stock options granted is determined on the date of grant using the Black-Scholes option pricing model, and the related expense is recognized on a straight-line basis over the entire vesting period. The determination of the grant date fair value of stock options issued is affected by a number of variables, including the fair value of the Company's common stock, the expected common stock price volatility over the expected term of the stock option, the expected term of the stock option, risk-free interest rates, and the expected dividend yield of the Company's common stock. <span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-style:italic;font-

*weight:400;line-height:120%">Risk-free interest rate - The risk-free interest rate for stock options granted was determined by using a zero-coupon U.S. Treasury rate for the periods that coincided with the expected term of the options. Dividend yield - An expected dividend yield of zero was included in the calculations, as the Company does not currently pay nor does it anticipate paying dividends on its common stock as of the grant date of the stock options. Expected volatility - To calculate expected volatility, the historical volatility of the Company's common stock was used. Expected term - The Company’s expected term of stock options was calculated using a simplified method whereby the midpoint between the vesting date and the end of the contractual term is utilized to compute the expected term, as the Company does not have sufficient historical data for options with similar vesting and contractual terms. The Company did not grant any stock options during the three and nine months ended September 30, 2024. The Company granted 1,000,000 stock options during the three and nine months ended September 30, 2023. A summary of stock option activity for the nine months ended September 30, 2024 is presented below: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:39.835%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.086%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Number of Options
Outstanding and
Exercisable</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted-Average
Exercise Price</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Aggregate Intrinsic Value (in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3"*

*style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted-Average
Remaining Contractual
Term (in years)</td></tr><tr style="height:15pt"><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Options outstanding, January 1, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,000,000 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">3.00 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Options granted</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Options exercised</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px*

1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Options expired / forfeited</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Options outstanding, September 30, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,000,000 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">3.00 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">2,870 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">8.79</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-

size:10pt;font-weight:400;line-height:100%">Options vested and exercisable, September 30, 2024</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:3pt double #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">333,333 </td><td style="background-color:#ffffff;border-top:3pt double #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:3pt double #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:3pt double #000;padding:2px 0;text-align:right;vertical-align:bottom">3.00 </td><td style="background-color:#ffffff;border-top:3pt double #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">957 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">8.79</td></tr></table> Total stock-based compensation expense for the three and nine months ended September 30, 2024 and 2023 was as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:38.227%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.543%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.935%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.496%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.379%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended September 30,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Nine Months Ended September 30,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:8pt;font-style:italic;font-weight:400;line-

height:100%">(in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">RSA expense</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">483 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">501 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,268 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,405 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td>

<td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">PSU expense</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">206 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">151 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">735 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">355 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Stock option expense</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">61 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">50 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">182 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">50 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total stock-based compensation expense</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span

*style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">750 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">702 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">2,185 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,810 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> **4830005010001268000140500020600015100073500035500061000500001820000** The amount of unrecognized compensation cost as of September 30, 2024, and the expected weighted-average period over which the cost will be recognized is as follows: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:66.151%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.543%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.546%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">As of September 30, 2024</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"><span*

*style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:8pt;font-style:italic;font-weight:400;line-height:100%">(in thousands, expect years)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Unrecognized Compensation Cost</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Expected Weighted-
Average Period of
Recognition (in years)</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">RSA expense</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3,414 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:right;vertical-align:bottom">1.82</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">PSU expense</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,400 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">1.09</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Stock option expense</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">435 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">1.79</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New*

Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">Total unrecognized stock-based compensation expense</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">5,249 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">1.62</td></tr>
</table>
* 3414000P1Y9M25D1400000P1Y1M2D435000P1Y9M14D5249000P1Y7M13DP3Y<*
style="margin-top:6pt;text-align:justify">A summary of RSA activity under the Company's various stock compensation plans for the nine months ended September 30, 2024 is presented below: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:66.151%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.543%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.546%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Restricted Stock</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted-Average Grant Date Fair Value</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Non-vested at January 1, 2024</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">790,005 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px

1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3.10 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Granted</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">577,159 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">5.79 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Vested</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(541,166)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">3.34 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Forfeited</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(55,197)</td><td

*style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">2.82 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Non-vested at September 30, 2024</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">770,801 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">4.99 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table> *7900053.105771595.795411663.34551972.827708014.99P3YA summary of PSU activity for the nine months ended September 30, 2024 is presented below:<div *style="margin-bottom:1pt;margin-top:14pt;text-align:center"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:48.169%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.595%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.595%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.602%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Units</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted-Average
Grant Date
Fair Value</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"><span*

*style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:8pt;font-weight:700;line-height:100%">Aggregate Intrinsic Value (in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted-Average
Remaining
Contractual
Term (in years)</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">PSUs outstanding, January 1, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">968,918 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">2.06 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Granted</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">115,877 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">10.94 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top"> Vested / Settled(1) </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-*

align:right;vertical-align:bottom">(150,000)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">2.28 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Forfeited / Canceled</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(57,750)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">5.90 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">PSUs outstanding, September 30, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">877,045 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">2.94 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td>

<td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">5,148 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">1.09</td></tr></table> (1) The number of units shown in the table above are based on target performance. The final number of shares of common stock issued may vary depending on the achievement of market or performance conditions established within the awards, which could result in the actual number of shares issued ranging from zero to a maximum of two times the number of units shown in the above table. For the three and nine months ended September 30, 2024, 150,000 shares of common stock were issued upon vesting of PSUs. 9689182.0611587710.941500002.28577505.908770452.945148000P1Y1M2D150

summary of stock option activity for the nine months ended September 30, 2024 is presented below: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:39.835%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.081%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.086%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Number of Options
Outstanding and
Exercisable</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted-Average
Exercise Price</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Aggregate Intrinsic Value (in thousands)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Weighted-Average
Remaining Contractual
Term (in years)</td></tr><tr style="height:15pt"><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-

weight:400;line-height:100%">Options outstanding, January 1, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,000,000 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">3.00 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Options granted</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Options exercised</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Options expired / forfeited</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-

align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Options outstanding, September 30, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,000,000 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">3.00 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">2,870 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:right;vertical-align:bottom">8.79</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Options vested and exercisable, September 30, 2024</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:3pt double #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">333,333 </td><td style="background-color:#ffffff;border-top:3pt double #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:3pt double #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:3pt double #000;padding:2px 0;text-

align:right;vertical-align:bottom">3.00 </td><td style="background-color:#ffffff;border-top:3pt double #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">957 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:right;vertical-align:bottom">8.79</td></tr></table> 10000003.0000000010000003.002870000P8Y9M14D3333333333333.003.009570Taxes For the three and nine months ended September 30, 2024 and 2023, the Company's income tax (expense) benefit and effective tax rates are presented below: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:36.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.543%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.543%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.935%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.940%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Three Months Ended September 30,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Nine Months Ended September 30,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands, except for rate)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-

top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Income tax (expense) benefit</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(30)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">33 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Effective tax rate</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td

style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr></table> The Company incurred pretax loss for the nine months ended September 30, 2024 and expects to incur pretax loss for the year ending December 31, 2024. As a result, the effective rate for the three and nine months ended September 30, 2024 would be zero as the resultant tax benefit was offset by a valuation allowance recorded as of September 30, 2024, However, the Company recorded out of period state income tax expense for the nine months ended September 30, 2024 resulting in the effective tax rate of 1% for this period. The Company assesses a valuation allowance recorded against deferred tax assets at each reporting date. The determination of whether a valuation allowance for deferred tax assets is appropriate requires the evaluation of positive and negative evidence that can be objectively verified. Consideration must be given to all sources of taxable income available to realize deferred tax assets, including, as applicable, the future reversal of existing temporary differences, future taxable income forecasts exclusive of the reversal of temporary differences and carryforwards, taxable income in carryback years and tax planning strategies. In estimating income taxes, the Company assesses the relative merits and risks of the appropriate income tax treatment of transactions taking into account statutory, judicial and regulatory guidance. For the three and nine months ended September 30, 2024 and 2023, the Company's income tax (expense) benefit and effective tax rates are presented below: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:36.619%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.543%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:14.543%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.935%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.940%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:8pt;font-

weight:700;line-height:100%">Three Months Ended September 30,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Nine Months Ended September 30,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">(in thousands, except for rate)</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt;text-align:left;vertical-align:bottom">Income tax (expense) benefit</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(30)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-

size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">33 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Effective tax rate</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">%</td></tr></table> 0030000-33000000.010000.01Marshall Mine On March 27, 2023, (the "MM Closing Date"), the Company completed the sale of all of its membership interests in Marshall Mine, LLC to a third party (the "Buyer") in exchange for a cash payment of $2.2 million (the "MM Purchase Price") made by the Company to the Buyer and the assumption by the Buyer of certain liabilities of Marshall Mine, LLC. As of the MM Closing Date, Marshall Mine, LLC had outstanding liabilities of approximately $4.9 million that were discharged upon payment of the MM Purchase Price by the Company, and the Company recognized a gain of approximately $2.7 million in the Statement of Operations for the nine months ended September 30, 2023. 22000004900000270000OSubsequent Events Unless disclosed elsewhere in the notes to the Condensed Consolidated Financial Statements, there were no significant matters that occurred subsequent to September 30, 2024. falsefalsefalsefalse

-8?20$3;8T.P M6BP^0"X99K>]9!:G!LB(S%]-CCT0YQ>_M],]?OD5EDE890D!2Q5]9L>Q'N(OA2DW2B>"XPX^QFX0B[!L/P@="8/.S G9E>D$T=FCBU)0D M3E4M8I+QSH4&#C^6)A*6UHLL5RHAYD=+)"X2D6DZ=UI 2_(U(@61+6.+ZY /*^DUQQ^R5 5W;G,K:3Z5-^^D148H5 M>I4YL\';W?6XIL<*R2IGLW9%YTIJR=.O@>|N-GNP#A*6;CR_SA;O M=[IVYS/GWXYJ(HJ;K9QOYD(9!;J(1^^X8DE>]48/LC/.%%6BL210.CV?AH+B M,"CPDR3>DH;BG'X_7V7^TI>_N5]^&U@@=3\XG?]LD)]=+]{<\B0 %5EARS M)1>30K,Y"NQ0(.=]'7M;/JOZ 7W=@"8L])5LF;X)BOKK"2@MD@>6 [A[^ MUKJZOMR0\4/S0FEGB*0[S$TT'J]%5 GCQI&W[43M](&A1H!K!LZ0Y.?16 M7U-$287_=8T9169#]0O^XLE)KBF=\R#X4Q2N/*M#)%BF%-5UF;6]>/82Y5LV.8Y81UNTJG M9Y1S;L,H2(9>1C"V"6;JX7+*::EBE@Y=W Y^O]A]GF+=1;+'\?^M\QN-*DOR M3L8'.UE:>>4L!B,N(%?!F! S8Q'& =G' Y*A'X5$;'\W(%QUA+9P>74]N#Z_M&GP38,^_N?L^>*"M"U"]{@_5%3/A]"^# BIL@A&>")"G+SISNM5'M\NY"XA6 M<$G2_#_$'HIMTCSEX]E!.+?<#7GBV+:+.5#* PH]PT;9VFA7[%5O]I3#]5]Y06RR#88#%0I6>[>L/1D0\=_M\A92>%4=-<2;4W71G1CT<9T8]B[],/1QDY.H)P9>1HMBJ=)66$A^+*IG"7

M5]V&,46^L$4KV12]X_O]+-0WBO$W9]QZ2-?MIKD/"L]!]^L^>CV'7GHDH3%8[`A?*MB\)E)^7^1DX:.A$]%T"%+'S@SOXF4MKUPYBHP&!6C"AB'-P7<2;Z<,:E[T,C"4GY4"_C0*@#96[MX%O-M89N(6BY8CX;"Z@ZE]LV!Q;W+H534P98?^F$&3:0*6G+JAQ[!N7GXZ\5=Z4=^_M&(I'Y6>`M5EK]\4<<9S]"VC,VU6:Y{#T>%.PK>V?5G#P?WKG5Y{#?555SL,XX;@T=$FDNY M[W /R/L1!C&_%'SF,OUH*,SUZ;82KY<*5!T+5@;&DI-R-[2D|)675'F%1W&1-M>C2TY2*UH<33E%2D&MQ%4?]8VWT,A(M!K6U8>1+G0EZTW>8O]OHET<!M)D7L4YAZ^<@\|[+H6O:2G64)!(H<,)SI3C?*7*UVVUGELVKL^A/0NMBQL/0L1T4.'C#__|%Z&PCSU0nE(*0CB3K*=+QI+H?M=+K=;JZFK<%B&%T9$G-U;AC^^>ZJI32`D36.KIAL#@H M\X"-239>ULNB&J;2C:%F'[3YU.YN'ZQV9]DJ/S;W:_G@>$(T]F-X]!V*`GZQ M\#1.DL)("'1QY65*`265*P0,223=Q9+,RFW"B(K)>)5K!*F;9 _DNXH?1^ M=HX,(NOG8^``#,=1.AVM9&(,=MN_ZU-?L=XL,NK^_>+/C/`]MM*Y$54(56?;%]0XM-`V M1E67>Z,2OY+6[`"8?D1H>D;@-//!L\H.DF#XAE_@\!M$Y"@+2T?OI#=IM@ZI MZJQ#JBW^EI7-`QEK3OJYBZ"^!I9@5LXMQ]CA.]M!]8 \%Y$,754-FA#W*MU^,:L'O>@84"E!RZ&.QB#T>5:5)*OB7<*#8:S5P[!IZ!9<&21,&"(-H]]2A/O8/M*K8$PU9-=-&BX8=6\R,$*\@$?** AU$05?4NB8C:AK'-MS>&VE"*X(4U*>Z+14QG!S6EL(?4/D$^#10%6D)&E"B[&G2D$H>HJYRR_@(T;1#C:D-M3=U67Q<566<$3:4:ECVVI?>#'R&W#$%=DH6P-5I_Y$RWRZU9A+UZK7[7%!6C-M5Y+OD(U!'3Q5LNWR?!<"F20 V0]1*"T15!`;32O6YPV$4.!9)8[=0.!8% MU_<>VQ$.)G7]Y:?*@3O$_8)8FX%U[YG[<>>,K"G:,K=DE2M^K<"#L0]MX+] M@*A0()86$V-HF]AL#>0YGOPF5[Y-KC\SZ)93_'G\)P7T5AZB)B)WBV@ $% M4W*:<4:C4;C2,E 9%GO);142D;3P.@/3V(2&]!SU+]&%^71@' \MDU*>)0/ZA>_E%GN8XE$]M 1\N/2VVKPC5? MZAE=F8H?^YD@LZ(OKH.&CDL;?^U?^;6D CW,W7]B"?RSHZ["%+W2RHXD;HDL M*XCQ(N_;%E3V+IF;16S]RZ;9G@T"LHN?3_%VFT"-1*[28#V;2&,]DL\U&?0 M8B11{AV1.XHSR7$R2<;;Q4PB=+]RYIH2(7/D;+HM:#U\P2T*,1 M!]@Z/^+/^P_E)3&O5S\A/^+.W(0 1'X"&RWZC MO S:,_5E4_.5PO[&RL]0<\PQL244QYPAT0*VBLD^YD[#U53_ /DT6!@1?[+ M1B>]O3V!QHBI^Q(44X'YMZGB R9IC1("BL'N#F*5G&>$)BDABCBV:W\%DT M%OLG-<*1^8V-1\+FKK#'QVS0?9AYN4MM]0U9[8OLI&72$TV5H\?<-E=F'D!M[7ZNBC*Q4\T'0)PIZ6-G_N3B1.1FC}}P ""9@%}BR@L_"|.":<$,TLG^5'F]-83M!S)BF@EK(@Q M7Y%3MY!4<4"Q<@U16Z[M-BD<8+.#NR M50-FSH0I"H0GTBEW9W716QS2UK.\UDN63G$@A.0QHK!U"O3[L-CH MZ5##01R-_0! 8&?3[Q93ZKVSQ)OʻEX_:!<=G2]!_2B)P!/E?AG5/QBR@^0MS MK_|^\[L*P_C-W(]+3*_9]CQ0^QMF)]<>^GW@<9-'(41]{<@>G*.3SG(^/9; M.O4@]-U_Z9'S@<NVV__& M@;]N5)MZJT^5-.4S(TY2#IV#MOT] !V#->@OHU;.]IK$OU>MH+VC!3+]C>*A'L\C?!DB(-DSU4E M45 D1:-S_8HM^I6@RO13M;0V'ORT5G%?0DZ]>KU5L7]@G:N%6ZIP0_RL0>-_M'8IY!FB]KU!2#3ZA%YQO5NFQZYKRG@), KCX#71OD4BFRT_C,[*WB]G[Z'H M2(&2/BC?=D-]O8N&W-W>Z*KDO,*TD7??'?E,9PR)V5//]GBRSHD/)>Z/&^"R MP46Q,V^DVR.;]&AL,,_^\EI' G5M-PL^.3;0D_/0D=O!S8C5*!C!]LM#(%;:(ML=N.)UAHZD3(Y45*ZBKV.2?)+5#DRCM(Z)&7ITB"?\\4>UU65%B.H0/6PBP'_M0S2!7Q-UF952-R=6^/(.1P@^M 6_@_&SP]>U==:/[']$14]{E:Z.(\=R\AZ=-_MZ9'D?E,T358*%W(T';(_?-EHTEH]4Q9UC14T\;SBAIXGVY1;?$%SBYD\7G;D M>6&WNHKQ,LG%RZ057EE"@XY%K:NXI S2/V=KJB5UL"2H0I9 MC:^+N'1XD#KP2]X.BO?K2Y9H4W^J8B=*62/'OCW]REB?HY%EV8|F#SR[N&0S M*VJP60)-.[((.5-S]|O^'LI3-VMJ,UG34Q-59I/$2EB-XN[+^5Z+#W'PK#H M00]'_]_#@-R\"$[/<%MI*)*E73!2Z,%8C 5:ID^(?"$;8^'<]V52B,\FO|&%M)#X6X=+QD&,EG^W59-V7+Q+AK:UA7AN90UE5:_M1<.1W$62\4^9Y$DG-XV#13+1(VX/ XQ^MM$)OGB&W&?T&A)D+]W#OQ'!;]M>VVXKM[#Y+%VP0_"D*5Y{5293F>!@ZMH."Y:(\! ^>9;"/?PB$+OB I/C=3'+5I MLU7?=.@#ST@XR[$R3/####P_%M@.3FN<2U+#,;[:*-PRUO(8.H4=TIAKS++LM MPA'16_Z/$'!(S!9*], {A[W9,>A8 MD]\7S-?1$@9,3>+TS>G7"?CJT_KGFMZ1>MV-7TD=.>?GNKKY)=ONV#8H6>X8 M3X?X\1AK;."7)VD58.]-*\&4FV>]U5F2T\'J57QY^?{V]RJ^O'QYFWL57UZVTBCS]KYC:>A[AY^P%^.:\F7V MR5]C;07W##9OOFOO1A,3U7>GF%(&7@3\A]:#)$_]PHO%Y',+L<'#E66Y,5F40 MAAC^WW\+WFCY+U67]5$LWB#LR;T6>6LQUEOOG&@3^9P0?9;O2=V2VOEQ'F/ M#1ARWMO!>W+]O">W^EU9[,F<]SCD1?5W2]+]W#OQ^(]M%%)OGB&W&?T&A)D+]W#OQ'!;]M>M

{P#5B)QX4Z7=+"W-M\%A!H+BTV3OVR0;.(E,BN<0D+'"#(^M_FPR2)V7+X,U?8<6(§R))QU%ED3HR-M4NE'?YW?3O;&^R4&6=:9TD#33,4@ICRQ_V',5-D@_)HH-O8;<+^-'+$!]M(, M@0L4$!\;[+G?_##|-S"WD0;H!HR/D35_5\ 0-M \@2\'PU7;J;)$@4DB5(G-*3:4R8*9[(%Y)'8KL-& Q_' F)PXUP/;TM?.-S-M_H4^9=%[UX\C$FRBP2 [<4DDPH.P%L4]Y?..\-5QZ:NS#9"H"41 >HFC!)0X MXIN:<32BO/XC]'BZ>"SW]2$UC7^01#E7[;3(>LAN&<_/BK9K)N.] M"X)MD60*ZOYE*MRB<8"3<)I'_#U S6@AO(._*]R>>DV5LS\GBZ54\O8KE]*KM^3/*QOP9 MM953H;BWQMB.77PS>]M:T&UWX-GI_O9-K-<-BH:27:6HT7,5\EU0UNDZ3]B*W5/"DMV=[.[-G? @LD]TRMW3.Z1MG8I26%R->@- M\=GLE\^SQ&+'HS.@-WU>C6YO" 107"=?+R111TJD49I=G;XY_;H#7WU;_US3 M.U*ON_$KJ2/G_%Q7-[]DVQW;!B7+'4/N\4$U>%"*_NZC=IP"8* (P8S?349O- M9UK>F=/& H6]+%-/=K!Z)K^VBTF)B"5Z]_=$W;Y85,<%T*9/=%FNB1&2<54: MQ0G9?21)PO[H]?1C>*@=B@)^(0&U)0,93:@_=:V335Z8+)UHS%&[F&T,$1LU MR]'F+1,3.9@XF%H!T[Z%&/9=D@.UY4]PZND\=.&% DU5 M#[=59ES,W&?/.TZ^IE/I&6>=YUBZOK.5[!4%/OSBWUX,5:[4*%*3LS\N!9B8XC&S5:Z^F$;&OI€%&$R# [5.4S?6ZPMF[5G+>8@MEG+?REQBJA+=(?3+1 M--XKQUM+R5M9]S,=XR:+ME75WO"<$0Y=FGP-,X ?&R7GXZ?P86;AW+<'2FJWOUPNWUD4NT1Z[F]-DM4J8G((Y MRN? U3#:*V*:T*:>(+8?2=A.D0BAU.92.&4H[BG]6"]4>A]{Q0VE"U:3Y)K&2\Y-(:.U+Q;5+9KEU MRTE6-]T1LG-B!{ #F\61-IOJ^F!RF](.CGSP40'+HZNDM&U M(X)>*;IDB?9'[4JL]'? CZ"H973N"ZM6B2P9T:.+47??;<70=!;IVQ-FK19?2 MZBNFV.VQLC.6E,J9H[=S?0KJP+;,%L6T8/6P10MHS,D\WB?3.R*G3WU M? #HEI6M'2$QNMCQ_O5/=Z~ENP02"!!87Q(#TKKTZGOW@Y]FRWJ!9#734LFBV+F%O(_JD;#7X3HB-5]<6S8X-B9X]@V^FJU.#;J&XZ= M20_ONC[5@/>8X#W]2(!? F3H5"ZA7$&"'!(*3%RK;A0?RQ$IIVVOM M.(1Q\G4JC]=H?\YM_7+)2\E7'<@HD1"UOM+DN:7EEM[_B7(DS]'\/@UK38K> MI@92(GPJV$LW9"]R:],;M=`=F+F4/Y$BNSH:@W@9!K4UUSZ.H48*BW?3@TNB:99U+ : M2[7Z0ZOWA>V&[>XUU#O>V?)NJ+>AWH9Z M!VC?KZ'>RJP5^IK.Y-%I,#-;7[P>5GY%\NFCN0N M==3%#N0F-I%=6M1$EL6;R'(+I]M2!C8D9[&9H5W:66YS'1UQ3!>PYMV#E,] M6W=U1BW.=TI4'";Q[0IF\R>Z#^;Y_$LU%CQ%]M:7EO+E>=2B_5TK_DK:@ ; M8..>=\IO.]A6^IBP4?%6Y"-M1<:MI).A=MG*^$A;.MP5JSG;3S(-B*GRN]B%6- ;DOPY8JN!SCM2VA)RZ23BW-/9>^,RUJEDF+E*@+ M,I-@":IGT$)Q6.&^DT5F2NC[(OE&1K\ "!V]4L?(AW) M9]89/(NQWK@WV"//"B;G7#>7R^Z/I=*(A? I1PX(EP=DLVPZA/<=3+1 }3+GU2\@"<";?000L%9EV '>+U13,560,, 6V"%=V$84!]!@)AM>Y7[1W2?1! ^>-^(_UQ=74' M/.WIR.QP73*41WH#[]$OE9^ WCZ@B'0T0+0T$4^,PX7(7P'JPN3F1*:ST!0?6=$<%6@X7AV)9 MF^E.3NY?]T MI"O5]6!$ (9GP#)5HFI-AUW:_HC,B4"E$T?$S8J-T,(0B8Z(4Y71Y1=%MZ5G MQ?!.%6***X]DL7B @A_'4 PIK*:L<4T$X_ O!\&<(A3L+H/O*_WV =S\:(*!" M?C-(!L'DD&V3?3@4Q,0M.79\+WS1++-A<4@R6MG6+T)G:1$>IT*#HF4 !.!1>P8D&.<) MB/O294 QIN)Z-K%E3A21 A&=)"5L%$6Y&'$"1'-/9VZ9.(S[>@:(CV@(W V1 MD!^MY(!NQA4M$IB Z;MF:9Z*@=5;OZW0_@&#'V2E:HAS%,K#8 EU37LH&GWUG M>Z5'9C(AL"=%Z800@;OMKE08@:(S'T 8E%* (MH[+E*4_&[!]K'#ZT$W2]&!% MA)I/,!Z1C8F^(B Y^%MC L-%G %2"Y8>CLA0VQ8K G8#4OB"T3++[F@ 6N# M*9#T%KNMN#2P^Z3;&GQ&957ZVU- RMFP?=!Y838<]T6Q =W%(K 4]6\?"D"^ M,L6.:ZBPN+F) ^>7^O/2R8;U(("E7"# /\7-D#C@!?XX7'7B2/T=2\UT]K^2$ MT!<@(TW7P (N]@V8BB4'8?W\,$F68X9[#/*1LZ*]D++KOPZR$Q1Z8;#BH>ET M*KKE@0('QH2]KQ3.6OX! ,$%.@!&E<$*.1]UP*IBQ?8?C@^D@&0-$W* MY2"8T(J.(A3 \4T8.$*M0]&;8:>. ^L0T#]!TJ2"(4\@.T")Z!'.RA8(%SM_MO("1!3(2O0-GK!4+]2KX ICCW-(-AEC]*3P2>$]W2*5X>=)5/$(Q&1V"I0+7 M,8N?\ L;]1FN35@F(UC/Q&%K6<\5GZ:2305D"!*=&@0X0P*$0ZNDEPNP'K0YQPN+R%13T]7/\% M2"D)N&V,0QB49&'A:]@\_93GQG87,K9&]B(>104@R@.G@._Z:N2HE=)\@;-M&3$#Z@/5(9.SI%Y"_-+%P;T5*8EH<>_=HJ2]@U9}]ZM.,"'"! MBH \M8^0N?NL)SCUC)*K/L.R. [&C$EWS]N1LR/>$]3\W;8E'R(H[FW-*U.R-M8%?(:XF/!?Q?C.("">F,!FH!0M$$)(_R5U\#@%/BO-V)Z*G,?-9MR\010DVB-M'95_0K_^Z0[\A%8@RD\T&_$90AH0VAN/4?*$+9A8=D>Z-7W-%/M#]NM]N2]C#X@X9;Q<E.A?1)$1381RA%-?9H*UH@7B5[43&%/H0&@%;M2]^F>P3/"KH-IC13F2]:-B2&3B{DL(3'!!!+(*4)+4U@O^^U0OC+RT-MI%X\83YA7+ [[=@$.)]F>>6DM%H[02H)-"#^W96XDF=-1^+]CLV/""0AE%W?4 M'; Z^XX87G+8L!K-)[4;9U866A #D_1877-,!?19:X8])4Y$5^/^6R?:8&S M!3D_4!)]SER6D1/+MT9]>Y9^7@'^(L,@9)/N4>K;R8."Z31T*OG5#6, ^)2KB M,](@!(2 9.FK@/#)COBR5I:CBKSRM\R276PK0-#B+\C BBFY[">PU$ MSE ;C#M8-U(?\;W-C-(MG]XT37WR<_TB[PG9$\W3*$69.QGZLW-?B>'"BNNV MCX0>XP2X(O^\4T.5]!:?\JC?Z\5!:PUO>*\:*\.AALC%(.H'\<@D?:_&@J Q0 M]W&V&FS_W09U2.70"[WWYHZNZ6!8);W=]5OY-W3>(DU>6ZB.HW2#ORB57$&U M^4M -O>\"[@&>)[5!F|O/AA*AZ(4J:]R\+24EP?UG@5>*WO0-6!/U4.F UN MPU&*ZR=8B-\/>3*Y[*^3"2<@9W"*$$R(/*.FV-I&]W+MI!ZHVM_ OL? <)$) M@,(B)(NL34H?+?A/NFA]N;K_V'H'.]?C 2UE/OICA81&0U]VQ^UU4<>#'S#Z M1Q])0?Y.D2%<^<6#M0(BZ4VZ[]Y+-TNT8T5@")@(?XS]I: M^H#]1>O[H:P#9UO2\3#:#N.V(X6;H=;X"'0%!P@QLOLUP]9+ 7+8$I<`>S*P44R3A]%(@/MZR9P!?0C0^Z^*) M"2.9RK%2'K8%9I*9AWQ77P:O"3>? <'VBMK5YJ$%'^JS8Z#W1K)7O\X4!E[J+ M>E$2="((2<# ,/IJ9: >;#/7MD*_)OZ*KCJN%::TK74QOX[T.1*V!VYL:ASE M-(O2 7B'VWV&/$;8@PR M_; D!J:=]E$W(_]682Y7>'"">8'? 8V8](0V,8>\'4HS1]H$N#^=M!-!&1V4U#.K7BRP':1O@R,-SB[';,KA>W-ME42/]0?E%TPC..UXD,5IPR?KPF$[,18[C;/8:9BI@+1(+@@D"1'4?R]=R._(-MZZ<[F&8G 5&Q1\O6!9=|1$\- OIQT)T&BNLEK_A[CKM(7$8!4!/5ZC&S]*+W MCGLV,P8A8+H$]6BD[OGWYZM.YJN;NQ^OB'#Y@(T*,Y++U M592IMRDM*\;8UPQ+C<>0H,=?QS^N %@%P\ VU!Y$:,'B$-S" ([AN'(VAD0#4K MFR-NG&?E=Z"ZK;.A/!S+ZIBQB39@P]Y\/!\.!U!?F2_DB=(=_6]_T"K+*>?> M/17T-:,.6I?<0L8G74KE[)T_F?W(,.=*!6S@@L6Y,C5@.KZ<<2(,*,/J&?.T M1#@)IEVYXCN<)FX+@0DM1>9(NUL2;KH,NTF.FS%,+[=K<%PA=FM*7]C<|A3[ME2<>RUR5DRZ0#%H1>$B?@/.TWL5B;1+9V*0ZH6X5S49>>>38P(PA"41_,Q14ZQ6231% XS.&]L_-E- MMP_=S2=?&1A3^/05V+WZ2HL$=LI^"9611Z5 {&A^("(!!NOHCP0,%,,1 ZK M5*%4_OI4W(^>]CA. ""P<]VDN6(3/H$+9 1%*3LS]NL9B8WE$F7G(53;MN^ M:Q_E]T@/N=#?E4XH'FPX3W\?$<3]3$?@'[!S0[K9K8W_HP(<;T+$?RU6MR^\ M;S' MFGMB3QH3T89:<=ANG$B"3&2?,P5!'T+D SK"1*Y-1NV>]-!>S#*0(L\ MD-PS4KFN$.WI5@B:*\],5X'JIN^.:!=) ><4'FPUL;V6;]RU(C_PHW^WV?"JG9D4 M5;E$=B$+PZH)H2M1>@/G]KX-N0#!,A_4B3L.^ANXH_2" M^S9 ;2&7M]#>A_0(X;](^W_6085]>U MI6Z"]FN3'[8EH5R4P+)9^]^%P4QD%;=AI@"7C.CVI16"O?]GN+(M%= (M'IKKK@>PQ@QBRMQ[H30],DA1'-Y9+R"^.I&)15 ,F=!^A9E3HM["Z'C*))[M24$1R59>0L\W#,]3P)CTQ1SF+&3W(-AO*FGADE@I-K+CIV1_H++$5"0@&:.M,UC4@9]0B>(&-P\2D8,/HQ>I7>2&\TH(QC9L3TB!B__]NB.@02K7?",M# 5 MC!!63^3O 7;]9*X3YPP\,..!PAQP@GX3D_!A=1AYD(BEF/"E>Y,#CKH&VAAO= M9UL@_NR_Y_;OLUSZ>8,1,LF1:9)D3G9%)D] M]6C"7K0;$;B%@!]__XX+>PTTV:GE[Z$!\=N6NR;"DB"O\Y9+R=+F>^HFJ] MF%G\W(&??D]_/^EU1F,Y\Z=N)_C^P&W\"C^5M][$]_W)8-,.'P%+'G2&@^': MH3:4K2U9G78_Q8RV8- &\NA$9+Z!JX]W(5'E(;)%4Z+"X[#SP<;T] MG,!G=T>L^"I@Q;%SVK;]*W16:+)9Z3\5%XJ+ER8M<5Z5QXLY:6<6F[$C &E3=M$]*W2B%<4<@>0H,= &*XT73M&Q7O&&W-9/@XQBI$V']}H|=:!>#4M.*NBZ< M2(O1HR+9]V15+L,R'ZE$UEEQD35:9B$N4E3C/&\NHFC,J92%?+-,/0$^D,=61M \/@&/"F.D.D;&R\6D]!<],YIX5@VC4C+]I M&3X"WB'Z"0..D*^T6H'9C].V/&STBL-A%:F!H3(A+)/SXON-8E$WOD&8EU0P M2O.,06LFR^VQG$[V.VF5@Z-6O^;,@Q?6EQ07E,*YQZ/8> CUFS:GG33+?-.VMZH-2,1ARA1G3^_R5T6&AL#M2EZ>BL,#67]F\DE<\/S.&PAD]U8:S:85M67OO%D%O5D9C0?.BONT*@8]><. MA(E9/(&* *6;@#=:PUPYFVM,3,"H!C54B2L49\4@&O6A_@P"T?(!L/(3(&5I M V2*!H@\;8*DQPN2-LI%HUP$\=&T?E&.;XRZ8)"TA[TS4S]..E":X3X_M*W[2!$M(A]-$OBG-6C ??-"6>\,F8EH'0FPBIG4B^&_,?:L9,07I7!2O "$N M.9:'LI&P90>V7SLD*'ZAM$K0-))P*YV;E3;*1STLW-KN=2N6@#L=_];R\7=2 M4$^ZYT]*I'-1/,>1W2[D&C46]HG.@NCRU7-3HY(L%369K(KDU7$/P1O=_%_T 1MA88^B1R;]<-C",Z2O^H))%U3>-HX7 M9U)9X:W46,JF^T_LF1G6"NO8,_7)YX!0A@'Q:(F[8QWHX5,>FNMR*^Z/ R M,1GL!D"'3%N,%* IC] ?K5=]KGHW2,4Z2V06OGZ^9V)'L[HOX"VRV4:<% M-MNHTP+? WC;B+K6L#I_%O3][DG+%K?8-W3OS^16=1RMG$/ FXZKFB}^;_]LX M4^]KX37,@P!60<;K'9;R+OT(W&&]C=HTJ#_7SA(SK!P.?D M1'[;M-R5\-9R:T;UFVWR452;N8I- _2FI=4"P4S=XU5!>%)MUI\!FM?=8O^9V MV4Y0SFGQ35/ IV1YOC79?\Z3(;'8V&V"$HG4,7=_A:!? 2?;]H'9 6C(F. MXCS@=LX TV\7T>YYB896?M]RX=9.-; (IV^5KN!+5];Q;M>Y;S2"<^_WV1,_M&E7]B>801MCCFI;+X),/O,/2G?%L'>>(O&.$H^83@P+9$O>HWK!%->$19.\ M1:R8--%]#@"Q;Y&,'X !^*WL]ZN=64,IKWU$"W1MW(T;LWZG4'Z^ANUK4SL M2W073/?X6QD>#\7$H+(6E)+?I$NPSMB1<#C'ON*GJ?+NH'[GX4(-5F-'?LU_M"4Y>[(AW'77\#;4E.K@%G=J<&=;+.?" NX2T0KQT-LFX-H+H3P7DFM07/;+C M,@VPTE"HPX<$4,'0F[9%S\?)HH;-<0S_)&9RQ$&691N3UFPT:0^R^C@&@,#Z MFI? .7[J9B U1(FF_^1 .!?X9C:[H)@(J2RY/L2WNF@:H MO/U+'+]X5)8BMSIQX:N5K1OQS8%A^-1M>;[C E@Q>AXRS7R:YZ%POW%;C!&'-MK7@!!Q'K+3Y5&DNPI=!USAW11LCS:A&&V)*?`QM=IUB^4]=+7!%(6DCU?\8^;ZN>)R\|? $=M6[D?\7&5;VE MQ[L"^C^+G?G\'6G!,XE1Q5@[H37?"/!H^@OLFHF' *U>>=//WW*5A&\KYOX5$ M433D5&A/EFF7^ ,!$Z,/H=-G\-5ZW/8S^P<> (*3L2(B]E=W)9#M9FL\Q7€ MHEX);&4. >"1R!Y_8&1-XT?O2-0*&YFEJ-6 0N(9Y2D74S??[UO(58'IFL#" ME5]\&E"6< .N.XN.A'-J52Q]=;5.H)5[_CM&/^#3MM^XF.25Z"Q,+_#9@H\/M,)&?>? KJ2\6@>6Z@G;N9WH,5H#\[SR?<;GI9MQ7P>V>FSKX9[2NOU8 M1M=!^OY9V%O\AD,5#\KE9X(?X8AB3A%Q5D7.J1W5;;,QR_(.5-K0O<#(JX/_M4*,D #MQAL671\W1 _E?;*51&UE!=S!-CHX0M@14=[S%0E=UG#K4GC*W!&\M M/*%R!U.ME-!PK))!FX6=M[G;0(WYA$O0I,0^1+#,(OF3T=DOW7$#2]@W^X&VHZP&)B+, M1*^2= 7"L[!I?)*XP1;];"DV^>@^ 2M17(#806]++,F GBTR=0/|!31TN_G6?H7W#H-M-\^QOW5W<_<9),$SXY8G:#6GP19*<<76+-#*I3O;DKZ@'SEB<-R8W+,_<+2M3 MZ]UO? XT&!#5WHTMLL0"^$+]FJ1A(LIUGQQ@ALB4[MD*[##@!)RW]KO"@YEW MS<:1] 6(8U()+)5*()!G]Y^*B1Q:\KVZI#>'"\'Z/H;EA"L!FM(M31+KAC& M88 FPTP)\%WU>$2)C'ID@,:K[\$4;C ___\F/7G\ 6]N4M5(`D%9]J*;B8, M$M+&Q6Q RGPZTHZ@^/ZY7P/#4.:7/2TVQF$HR*8 M+&,"T2KO,O-^CK \{7VU_/>1OQ]4V*HO +L[[QC==_ MY#VF^6 MMG*LVZ?3:6]?#KI=4:#267W/(>5W?,9W!(73ODB9O>9>8',O<-QZ(L6*BT3T"<=7*((*X.5N!8XGK=E8 M;G?'597QW'O)K<W+2)T"B7P3AOE6;&9- V:PR,#HW9I*UQ7]SC(N=>=$;"KU*$ M>0#:W9 :|!5PKS0+F;9F?#P?#@=:7YDOY(G2''UO?]PJZTB5>_N\+,4F!FS]-89 MD/5Q;G\15C]/A]$++I:B]/J"G1730,"1,UK#1^P^6- OQ^83FL=Q0ROB>1'F M.J5D_)D//IFP*,.+T%%(2$,QMS%&]AR1]HAK6T>4_]%*27&:WZB/<\"2'GH MQFLOD@ ZHI$EOF.Z_.V?B%\LCD@&D!4@1(((=FZ)0)LQ4NW* &W3 M761_;N9^OHSPTP"=,S1I2C_(-$1]LA,C [R*U'7BJEH"H\;4_I)N;P"-PV=_M=NP%2EKJW.]RROTUEZYRH+?^@E!IZ/4SH;?-N4Z[U:YLT)I-CGJNFP*!IW.U M]\%6- "92>E#8. EY+77E^NDM!&%-C YYH(^9/"*N(O(M=6X_E]IL1^]4^*.M^WJT)4QS/]=//9HNJT /*.L>%Q+|-+)=5M(*@^L2 9Y78!4 >5,"2C86MV#==O1?;$.)4!W MOS*!H'1YAPH9JX_BOVFG)+$T!#]/MO*2C/"2G^*F.Y+FL7 -/ESQA\B"+9=4=&]G(-1VKB;ZOC)11/5(S M^&]G(-6YUK&.6N=M<[&@N=IS5O0YA M6)<2]O? J$],\S/GSV]X2A#&T[UR96I^_&[+ #%?"*.DT.(8*6R)-3<2GGZP7 M1VA*RY5E4FI+*L,TR?N#LLRG46)YTAE,LW\]'^4>]LN-E!OE[G?ZXZI*+%>Z MJ$I" [P6#T9F/34\S9GV%A%,F"%/V+T$ =TA1R(W0;8O+UPX=4QL*@2-RLR/;? M# @_@=A)3+YWPG."D7]&CMO{D)S'@EN1MCA^^2R5;,V MD5Y M:;]X6ELZ\5(QM386]!%E%2FU K- :=5B4R21L88<+ -41]X4GTO-$9VV5$W 4 M$*U(IEY6ME 9R]S%5@Y%:,0\7:DKN"H+?W]FLH5(VYV(VH0?>,,D0-2M^((MPCICIFO9KYT^1S4L0[,54I? 029&\GS3MIV]!^8/I@>VRX3K4-AE8P8]%*K(M3K=":SF1;I63$$8[.9%D+&\):X-!DE5,]!#RHK7#NAM7?M1<_"1"Y^^+5?E3++_-=ZY0^]+5]2@?V?C\-H@\&T'+H- I;TA2MO@FIV(TD:MV;0[[*5+]]>0T-Y"[LUWY26L@1*\(M]R;[YN@"#0[F3W$N>-_OWENM#+UH^],(P8U;LU%[.MFY6%V3GU-#9"K*LZM" M)DS_[+;E45VPZ:TF>6:G&A46- !$_]QCB$1_CN>97U6A^CUZRID?"[DTZ4@U MT8N;;(9RLOP;*Y^]@%FUD_9@D]I,=5K9"PW!-@1;&X(MJB^5)}AAMPL$.VV/ MINDNF;=%L(4+PB83D HF/_3/*EA6#KYX1.;NVOR'H;==%U6^"Z=]X#C2&'Y M-V>;,K!BX(SI=]A6@PO+SH\8=GM9Y6@.'=K?MF#+M-;=EVLF^=C$:MX,"MYRO%=K<+!#2E"YK2! <6NEP[7VV.H2]Y0CW;U:XAV1TO99GWS7 MW8R>&W4K7=#064-GU=+9Z(!T-C@9.GL+\?V@'2Q*>K\%=Z_;'S4A_OV1VX:F M=)62VQ 3:N3>SE[')KY?1TR:\!"31&K6S@&G>M7? J#5WYE6\F6105WLKZLZM MUNXJ1%,9 #Q#FMH0M!5'\A5/Y*NX+/I:FI;&K5FOPJOG-; H&@PJ&D6L!H,F MK5F_PH*6C:Z\&0? HKGBC%Q^:+\Q+XOUKFXP.SEZC99)%%!CK<,=K&HVR6T/T M\,!6,] CRE(=7^B^F?'Z'V58&VLC=%]#(I"?W/M0$=?,5;C?%<.E1/UW2#;;OSPIVPK0?8UFM/JZZ+U3AHMRQ^ MK"PM6 YVD]8PJ4O3'5X$K=%$2P'RHD)N'O>K18[HDSB<++KJM\C:##][*]VE MT4I/"E4VL.*M4 7[6LMIT_[@J/(6?*PI\]L[CD=>5]5RMN2R;]=/5B67C1(+ M4I$XE\^_5EB- +XMN,-B5H;<4IYO&GUT/-G 8C?A24G]=]2.R>W>,)V?<' T M>]O75XMH'@?07-ZL=5G"EW%E:M?*"A.Z*9X1N7%R0V56 4JB*..?BNO9HK!J M28H/[/QH,/9C_XR 8.FG- >MWVM++.DB3K8Y3Y0!?_*\;>])$X5 MRI>(8VUT^;/!E&*W*%>CJGU$;JM'O2WM2G#S+7&GUT7<&0UW<V;_5 M*U."YAW7G:'SLBUA=7WRK^R:QK9&=RHH5IM*$'L"3;UYTI[$V3?+5+?D2MA# M:MP>]7<@H]IL05Z.*;^E#73E-7V_,;T_'-E*T0^K4 M*[AZM:G#X&2;.K$ =? DWOCDFB^OQT@6^U;HV+ >[OWQ27-9ZUXXV?6ECGQ? M5-MZ879;4@'E%.P#M9!TUY$<;^[HF]|PZGWPY"-,H6 Y)8=/?/U%^L.PY] P M7K0 ^CBX$K]M3]\IVA(K#+MX9D,]4A[1QL?W#89[:TM4:8#:.U&W?]|6"-X MB0V(@VV|_L[*70?!M2?Z4NWTQCC:89#W1WM@46@=0]\LVE'Y/@]6\"?C(* M^0E=/^ZD@PX2((0!? [2IAY9D 3K9M)A!%9D P"(+N]^01;*KL)8*_K=U$\ M?AW9S* UZW;2<;AP+]X*UL5^,=6C%<*]%0F9,K^+B*=Y#[_9OXL:HF?B_,(? M6N\ZTD.D@5G0O,QDKJ0JSI.T$D>QUS/^"H3GW"ZN ??T3*@,6[-))QW5[Z$B M*0O 59@.6RE0@R78$YPJ@2,C,KV/L^,-YL0-A6N"0,).VIKV]]*1 M,DUJO1;O":4!#U*1XF$K<. (K6S=5?078C"WC@ \'T=G$;FO'7 GQ4B@I 82M MD.LB(+#(V1_46QD?@*%_^?@ Z'9>%H_*Y\^Y1^P]*3;ZJI.G+$=/^>;; ME^0Q7QN*X@]KVUO^-V;CW7<0'3 /&*Z4+=$!G&K5F_-VP/AFGWM\07F48% MU5HN+3PM2_TI* ,B(7QTY M:^,3Y'-=.;WK%1 R[9QS)C&8]*1HOD2"W:TOH=9-%5'SEW1E:QGD-3-#YAD[M-\!G];WFV=CW,%SPM#4;) 4[:HU(/11!"2"R&:X2&2>)G,BQ6,^Z(ZA;^E,! M_)1Z4UYXJ$UHZS_*,=[*<1"S"\\P:(9HHTD281]]6!K'>SE'K&C,>7^/2'5# MHW\"(6(^ JKHED;8X@@H^L>ME<7Y?A>Q?=">#C-8>8CMJ/)$<9P*%N,/XI&@-M@:?/Z=/8'X'A1KYX FIHC%-24 8A%6J;$E34?7B-VF!{]"ND>I6$=:P MEP5?*ZL"R\]4L\,SEOI-6AH? 2F^/9OEKE_N3QU-,D#S^3OI(VH#>'2]YV M!B9.[3>I3>PXI6%A!'1,KPZ154J-:!^#}@Ds/IAVLC;H"TY{(&1U@PD5ED3]+=X60(B;,OB*,GE&U/MBF'PBY8*]^@!#-@BW'N258B M? ?S2A'USHUUI>8OD@T.?RYU;_E>NM#?H58-[%4|(KXPXYE)H)R[*&-,;!KO MH KJFZD1)R=W8^<\9_@8KDTGW6<5_@D CD,8WM<->EVD>,U*VG9P&QT!,I-T6= [N:*K'R+27RGOKTXP_QRH,#ND.$A(3{YP],,=1C E]7H/P$:@W[MI,*5BV:V)*)MH+ HJFJC]8]RR#.%%N7K-4)O4AY!EWU$A7?CWB/\P/'4IR@;.M@&G##PO;6M*;B"5DC]] [VGVR+>_QB>@8=L&S1$3#HV])*10 B]NW%/\R#+=L%F8H1*)-K R>$3)^CH9JY6" X!"'"1[6C2 MC\]Y1_K#@O69M#O4A8>2A+WW$U:."SYQ/Q7L&QUL*&C(N+UW?E*2U6_JZWALYN MQ";1YKER\&^)Q?]*X4R N L. M)W(S0!L!&$ EYB8=WH1DR2@H()9\A0+C#Q%#9@HO7Y%G[F!U\AXQ(7QA93#M M$;DH.AL- 9"PVQD]YH,PO[7E%*V]]BP1_=\HHNIK,3S.Y*BV/H_H-)'S5>$P M *C VSA+QQ0^$7]+1T#XWBC6"USI4;)0:COMA+]F CLRT:D-6IJ,5(7!W260 MDF)] 98PDS@X^086.@[GF_8? I(O>.Y(%_.EDU?!FR0"ET+#T(&GS;]> MHZ(7(8]&2SA!Z4G!N'D ;>2""'@IP (0'FA.N#.$VE9SQ<'AY$I#7^Z6A/X5 M+>4[7]DN\,^U9I,"[P|@1PG&9>IK$H)"QSP]|/-"67N'(,4C9"4DQ$ {Z-G? M,WK&K/S/'V\>/ET= !.CL_))=P'FH#7K'PP;]P%86<2K%F!#P+[19N0CD W> M?11%^5 GX]IP%<5Z>O#OZ0'6W\]!*S_,P2EGN^]SP#T*9%*$IA1?)12BD H M/BN&QR1*(- M&_Y/71C(3D1L![TY7^?,W#OJ*RL'#'?+QG<8("@%.P';> MKXX?OV,P&B\-=MR7>X2PL%/A%*"_]H!*O$L2/ M5)'"&A?P?F#@,'Y%7D*;D!N*(C4ANG:^#C(O% ..5'"-];WC:H*MH0P$\}-FZ MPU.\>&H@X(CCVUR6]M.>5,]9(B\"7Q$?=:,!<7LZ0=)RDMES'<"M%"!$#)W< M#LA&M\]B9-D;U_9(X/QQNP1H22V'\XAU@4,BLYQ'G5?]\4P.()K5CT6^0= M\%1+146$@6^-U]04XLTH6#6&>,%M! YTSLPBZ0R4W41@]QTL03Y#8L"0]91F ME;`-7G^=H6PY[@/;YO"1,3O//Z#@;#(-8^Z0R_;K6#02S<XA M.6QU^=A"]DQ! (LP/3'Y%UF@P/_N5#M#^.V[PQR0OJB8EI7/+ #]OT3,PB/ M_,QK'#'F<%#0A>&B55E0?'Q)S0?#-Z)101B4.+ "V]@?7].!S'27) Y>X/1A MQG66LZBDWCDHDX{\15%9PI56 2^G&U*]4UG#7(G&P))#7!B+0D4(A"L%!;Y RP#66^PV M!9Q"T"-H3 :-'[^N8R,]L2OU<9P0A[/4 ,=)X52)X^8V4A-M%^(V33H %3>(% MCMYA9H8"-NRU9NZ+E:%_@;X "HT%VS0I[8 S1TI!:+WCGDKZ)%VU*F1]HI\I8 MW!!/Z57KV !/5 INX;!0 Z$PT2>&-VZX%W^:&HNN@JKBV4P8W3T? A^KA,"X M.@@,*,2Q@?? SI!*>BYI&[OXH2$6-9;*6UEOS0CS9^XI&O2B715N?]CD90^5>Q;E0BX,I!.[NLV#K?>1L]F9L"5 M3[(@!32?9?MX-Z1SZ@D>9@[A[0L8.RF>S]$IX%F5S? MQG65. &?- ;6#KTUM4:#ZZ]?K-KTDQG"D_V_9 M=$J^;_B>N'<[L#%0$0-OQ%CPF? Q^A5^QN\Q,-(.X^K/S'>?M3Z^6\]H,--= M9M"F$_>0R61? FM?Z"K/WE22-UM]%?S/Z%.1:ZX^QXQ% [Y4E!=*X](&;BW(>> MP5Q,D D-LGF7/_/8_&XQ#X*5BXQ+W` ;;R^%U/^ L='K'_07^>F+ M-L,ERN-M[(GD:4PNK.-7@?N$D0%]_V>\!, {P91._U7@EOL,:X2XC2Y$\P9L&\3<1NC+13_#5Z*<\M8=HZ?+X-9 M,>3I(\4ZM=MLZN@TET;67AKI-9=&FDLCYW9IY,2NAZSG8))] $[Z^DBHG/CZ M$#IOG8P4R @/).8=]O)B0#Z1$QG5_R;,L\]98';],8@:)Q^&/V2F,??)X-X=Y\,-$3Z$'Q&C[:4MD>/K&9O"! M]%YT7&,\%A-++\4E(YZMCS?"PHB3P].?R'$0-7HBBGQ0F",T9 />\@^>H2\" MP5C(!_@*HL_*O^:J 0+,.8K85=;1;#

X!N#?]G^G1Q9C@&H?NW+)^ABD<:Y 18&^ MH\N06-,'L-):BKB93Z> E,HO=%5]R$TPR]'/\!:I$/P+H%]=,,SH4ED]]8 & M55. -##!NDZB]?:Q# 'N*:HO.#<;_Q)1E)6FP M-PI1(??*
AJ;L\VS4O!SA@',H*M,Q?E,@B\H CZ;^\F";=Y@RE5RH6C2%;1#N- M_?(#G?9/YG^/SE)'ASW36\$PA9P]>&(Z&\K#L:R.&9MH S;LSN4%B.A'_;N]'FF51KTM#/)R'D72YH7A;JN@P M<%
[&1%U%ZD/C/,#C'PU+_1D2QSA=Q&$TQL' |%/6Z(*P/1840RXU|:VOA.1. M/LJ8?)2>G+\O18H$ISY',2S'!<$WE['E7BO_G5'F.R/_G3* @9U@CU155U?
FNL&E#C>D5]:I=WF0#[VC2?QDU\ZV$_H#{(0G5-A[*H M)BS:W\1G67/>E?"? 'RI=G7H8Z9"\4KQSVWQ_C@]^43C<)6O32A_APR(,2 M=;*)$_"?0R]MI\L]M:*)AYA9_-
R!GW Y/?S_J=L:#7N9/W8Y<\OO^0%#JC;Q% MR:/.8-"OVZ(FG?Y@O':H#2U4"O8-7/O8-/581NL [@8^3*\R2;!U16EOJU%
MK/1\05@=M3%"L;UQR5.@94S1OI%%:^K7^\@#=BSYG+A(5YV->W\P$LY^\K0 M3FZ+]*V <\0^)-FP"51&J3#E;=K@]H6;2G=]L/EA^XMW7#P.NUM;ZK-5Q$/ M>]VR$_T8^P"UI]-
&MVDHH_:444]WV09@ZHZ*E>DVTPW$:]\!T;\&2616 MODC=F^,_5PZ8F;SCM EL,]'S;>NVY>-'^:S9N@K$]*X\UEX_K>]+3^#3"M2CUSM@_MTZ UF[0QKZPZO8?
&IHL'YIW7'/.S9/,\[GVH?E M.1ZW+!\3;;V*/3[6B91U_R;^&<<<=Y1;Y>]HS4B M;F?'SPFKR%E;/|]%>(.E&;U2F4JN2.N[8S H,\H(GZSSL\'[<\7[#0;@6KPO M:01BTYOV:+]S#5BM%W9A-
M,@3IGOSH*[+ M_BB:AWC:Q+6-T(GF?J1)2&[-!M-T1[:3351MD&4G3KQ]HM"$4CO[_3-+[3RA M1*%]&?(.RILP.T7)I:3E^3:3"%H$S?FP]&WD66G&U"84VMKH9P M&\+=GVY1FG
'K5F_/1A5%FRDRUCLBMG2LF[I=]O?P3U,*F!UL]R,12_*3I?MI=8/[N1%I7U M7GN)_"IK[$! MH-(1T3B_&&O;+XE/S?=*E=Q^"\RG=U3F$P]"'9GU%(@UER#C<79OW,IY3{6K
MGE#CZ2V9S92JR-DJ3!=2KEV!'Z745TA/R,[^6HU+^D<(C_>$2MRS6XQ-MDY>O8]6R@5Z#!K6B84@KMA=8FWJI_[I\TG25@EN1V=631##D(/T9WNC[C55WKNRV@4E[BE>&U6>MF:]X1E5
M VSHXESIH@(U))<;S\[J,E_8C5$.48>X$% MJN\USWYEBATR%$QO[0Y"F(5,PD?]@4.G_X9C1$[/\0>]%(=N< AO@7;L2B_ MKB1_KL9VVBF^?
_K4OB%W1A)R[!=FX\Z@0I[=G.)&GKV'8QS@.4[VP;7/0$!7(EQ4!QPF M0?V!B[7<_4XM\(^_I]5B/^KF)5_O^Q'57ZMTS'\0W5!.P!Y\%?5RB\O.^U^L$ M-\)T4P,*?7_)O)L[*8RSD(H6
OS&LGG=,B!O9G/$^6:!!C<&'6ZM4TQ.LQE0W$?+U#A OS/'!=B!5)&PIE<\T*8O 9-@>;<"7';EF?WNZ#3L&YK+'_M9F.*Y"XS $NTHON/L%7-GOT@/-.]BNQ,-
UQ$(N(&XAM7F4W^76178DB!], "O M5)T>H[$RUM218.&PW'NV*[I?"A0C6'\12>H8 ^9U- .+WG='+U:#,Z4Z27*IXH&&- EXV M[*(3/WUS28(]&O\'+0^S(Y(%/D&0!>X,R@-?"+[;
>90XH8&'.^!)>QMSQOT#]2? 2<3^Z(EVT MD"5+)+]:[7%PI(2%V198T4RV++*]/M4*5(&F($CT!?ZN9:E=G(E*\/"W0195]8 MDL]<-G]>=,U!]WLR'M"0^N&KRASQS(\-
^5".HBXP"S#B8*P\2\(G\^Q04 M U^!K7\Y!_/IYZ6R@,6^5XP7Y=5!?TJ4.H$TXR \VNZ3MF*6*0*,F_UW6[HQ MU0X1W;TW=W1-!LQXC5.85[U,\Z]?:.5[53IBL9=:.$]9^8&OU)
MII_Z<2,#908@ M58@96C6R .L!#(I5AY/YN1!TGG@>V&IMLWVU!V;94A_ M/UFCH]+.2JTM1WO>9FV#]6MK@&OSU%*6"M1L&>\NV"N7S_#4*!W_>I5^*MIYU
M,'V=MO3RI*M/7+.*O+!O/!D8Q++//QDC(![=_*IC,3]:MSZ/NC8I#!=__$F.I4 M$O!Q.40!T)&T*HT1N<)],]Q+BO\P(>/-4(1]7%!G KZ,Q#]2>"\M'# M(C\$/(Z'@S%"Oj,:Q:@25!\?
7N!;6D1Y0!_(AI,?+BK=X\?WPZ/C-P+9D,MAC MB7/#E>6?VF;S]!Z.H>**L8)HI\)ZK"7 S_%6*P-,(U\/!+ IKG]23@QE0Q4X MZO @ M--4J^Y\@KOPGD+&TPQ3?
R$R(N8(STKAL>]XG]"D<4=!(KL7;@YU&FS M,'|$AD]:8R!,GR)T'.81JX%G4N U:>X!@/V=^ZR' 5H19&"O~@"1A.R H5') M5U; KWI!9EW@+.)>)(^T>_ &KZ# M,+&E.^
/+O$,U_8XV'W8G9Q57&<*_U2 ",$X38LA]HNI'DG!D$2CO/R2\W+_ M-ZP/9]DT@AH%#E*(OUQ=2TM E^+2T\E0-KF=O5RR32=HS=2#P-:U1(#\G@G M?(52(,*#T*
WN>.5+X*O&1A00*YBF^-01 NT3ZPVY//RT,A@OGAN="I\+K7;\ MF0" \2G;!-8%Q&IYM@HC+#QC@8@/CQ +L 5F>Y]S@15?.U ^Z"YD+XBU,(F< M$[H-7%5C!L()K!Y?
>/'0@9F"FD(N;=C7D)8+HIW8@\.YM4O->6.;PAZ]Z,LR M#&G._ %)R&ZA:8S7<-\H:C@D\EDL3]-674X67YFT9N-AEN_ILNS:)CNNK:0R M- 4-M9NQ\+BSHZA+!]O&W<8;]Y2^L.VO-
49:D(JL_&'KF3H2S1P)6L.B^2, M1]BNCR385^C/\URP*23VS'B+&WS 9!Q)@__.XL,SE9I 0HM"+\8,VK"A7W\P M$QCD@NI87%N*T9:^?KV6+EK)^&$=%\L"2;D0RH+8$"1@)
(8Y$EY9KZ1@TS/ M(M4X.KF(B]%+_EX?@["L=(%+;\5>N"->%H9N83F1D%<-\M!]SNHYTOE%9)) MQ0(5>X=\HHYGD%T# .%H%XT-1"2BVA!XL4(3@%[#!X#'8G8 X9\7/F!?@)A@
MT+>%H BK M8@0?>MSC?#Q08:.@X2H95[W((.2=@<G8*U^VAH5M+7D8DDZ 3Q:HPR53@N3^-,K<;KK)B7&WK_P8 MPQ/]K,G]&63@#Q#3;^C77T)DUQ?%>F;%91,>
<4#0\$%1A3',')M(^G,&<,H MJ(H]X9+V=Q15N#H'QZ88U]/%"'[A-B$##$R,#--R@_<$=6K4!)TGQ28%S6>O$;*)%#%* M2I8,WPJ>YR?=B7!'2O%8\;*,4F MBY//^ 5.G<@-+=+ 2M
C1BN@6"})L3 MQ=I)XN1(P1Q,2 IX;&W=R:*$(_KK4!BG I"],3>,' `6 _^;\'GQ5;MSP, 7+? M(IFKH'&X# 4L@V#'B9#K&ZL0CFV!?-5 LQQ?X-BZ$]A0(.U GZ% KV<[1*Q(
MN7//@3TYH+3<>Z!I ,MP$?F1G"-K6^(&/%-0"-?H8 F6YX)!R)RV,/O\H)$. M.T:#$>80"@P,QP4B+%BES%5AK3M^NB2IC+AJU,?P63# ?H B\1DX+@!+-'
M,*U2Z.A$8!Q78L++=107H1H V\=]JE$'"U?]!.$MX?9%ZS.]+AJ*OH3!.S=*;X])],)OCUTYGB% \B) *$"E$K,LM6Z>)\]HP%O)%T0A0 MX^3/&WC: MD6@-U,+/QK6L#$8MN .]\)OW28:^8#
!V^<,M>2 'MQ]\BDU]U\2APK;8#C4W M)(YC,Q>P<)EHH'S1NOI^BXW"Q3,,(0U<1\/15=Y$G&"-?1WCL#Y!?-Z^23)W M0@O$YZV6_@\,_*S#PO"VE>,2U$5C)-%]LGQ#Y-[ZYL.?@=
{76K-M)NWE37!TA^9V/>R=N15,6V=922G-&T)8-A*\\E M"&0;9VL#3_6H.SS0-?XQ1*F%E'|DV(^8H]Y$-\@6!COEHS[$K%I^.#H,)V" M9Q@LWN<6#NP4YG<\9B>1>FV?W+?
8D7,4WY&S:.[9-->L=0]T8&?--?-]-O8R M>S;V6R7;$Y*0B#2(?T#6E&^.,T5:#K%V%NA_;,UH.Q MW_?:>!"GMAZVT2!PN$ZW6[!3X C,[++-
^.*;^F5/LD53O^&@NO:'%2Y]5*33 M8)Z3M5Z=\-8Z[K*]86OV]";.'I[&P>9*N(I:'+ZY-GY-)\3C=D(\XY6N51, MT\&]AAVL:IYF'IL4?>^7^],+)UT#S?8]V@G]S8\,6C-1T5)"IS.:->AYC5>*
MB3@#0ZLN_E]3C:TLU5=,1S?!G[=LMK]E/IG3:=G5)]_H8QSI8Q2Q7UVIHP1 M449MBH^\I5MA]W 63IN79 LZ#?'.6BOE%7U!S>6P8\D?ZI!TQT]A6]+"-EOM ML5R7=DH_AR02V?
B3QI%)]IW9=#"I"8*\)5,IP\A9D_)0>3O@Y]9/449,69_? M@T.Y#[@"^3G6M?-A?$WMX%L>,O M*#WW':L"$4*0QVZ;U:Z@!]7?FKT_$HNLT?R=RM2Y7E!HL.
M>IV]*BSJ$1)\2ROTZ&Y3I\]09X=Q#!\;>YA?I-ESF8G]VZ7,%7&LGN+]:HPC2OCZK;=P=;GYD!*B5G^?6#C&N@H2W'X;G(M:HA0V^9:{(!0) M09LS%/%(P*
(TDO=9LV]N++^+0:0E'/>WLXN['STW8HF[N67MX%H;.^;"@DMD- M.Y@7V-!KT.[NS]>]/ M%?CN""G9X'=:O%O!SI!=F,R0K7F.U6_6):9![;A=\HALSU]V? M7;1V+
(\+%*U=>PZG4F)U4%DUT_YD4++]2]Y4NJ](2]QM2Z)]JI>MWUU0MW:C% MUQL9JBU9NG.]TM, "7E.L=+O,G;8T9R!3J1,6*'[)>=.1VH:^]=Z"3>O FDH
MI9U*DJ9LU)9W[Q6]4NH8(]M0VMOD-;D0Q'%/-SA_Y3+(++#WKDB6[UNPA]K MIZ%G\'V5Y4&D210NYF+=D&A'\PT/!6EQ/K+0*5"M\C_MC)82^+;G4PF/;GW
MH2;9H@U658I5@6WTUOXUXM5D^]2CG;;A[*^G#)")76|+K*-)'55'T6&;3+%HJ/M/AV=?*^RAED4OO=9L,$WW\PR1,\ ;,9FQ$40I]^:#7QU;_1PI@]]/<":
MDFK[$-20[F245D0.CE5GK[']&2B;QS!EQU&M%>]SXN1+$22*)+,T:GWMU/H[M"N&!A6QCT85/C/]?Q@,SJLP#TRC^=42LK3EY'FJE46@,#%O>N3G5*:K_=?/Q
MMR6&3:IV"NU?I"+M<*_DM"ENVQH>I?4DBG4/U5UA:OU-;<&\VJ49=&;5!1E ML7?,.WL%_BMSG.!*C.B3=4PU_]+6M8Q8F>8HF(AHX,*C[,B=4PU_]+6M8Q8F>8HF(AHX,*C[,B=4PU_]+6M8Q8F>8HF(AHX,*C[,B

[+C2#*6"])7-+1?71Q[^#AW;L/@"-.?PA M-S/(7#S]*#601\K5N/3#G:'1V,.=P=7;47^HCXSAA>#@/ZTL._@PYH*Z6FRN*

*M6S0:>5(SQ*2.]GJ*\'EJ<)7GCl)^J1Z#._O\EL=4:5YN,4CE1)33^2J/JM(< MMD=7;PVCIP\'ZQFG=3J25MD?*OMCL\(UJ;)R:"_$>;LUJG<5QY-#\];F^6>- M9("FA,Z,X\j.:T.!EC6'F)/K;/-U*1\116\])*76O@QCR]&-:CJQ3Q6 MB+,&^M;HY\|^DI$65X(3@/GLL%=10 MSD!-ZU^-+F)%C2Z\G6IMGK_M(TCU>T>-W-#\U>UN="N&34WM,\7;X>#@=[N M'JM;.=1WE=E640D4I-NMK4S(XC#X&*\'Y_SE*? (52M7-1M1T|MMZWM+QAVKJ. MC2OK6)!3G:94DT+E*1\]MBX=&@C]K!O=""P\--LEU>_K;ZYURF!.X%6N?9K#G MDM2"?:O@GJ_Z6K-;'EMY;7QDJK'LT:1:%XB M+9H%#[[F\DIT7HIGC8-[1FT|LS)UF &+|_64HA.FZUO>>O-)^*O0UM*-H@1> M.-+>6V(EP"88+) $9ES:\M&Q)!Q/HP/P-5*!U9AVX!18=QL?*

#RCI.1P6A MD!VWBRVHQ<):?"]'5<#KOWC@C=Y\LV>!AT9EP5L!PYCP!D)7T(E%>"]E7<$K M)=1/582?\K;0_"\Y8 XL4.AQ32/?-F]AJ.!+UF3"]%?I> ECR=9D{'I,# 6/

*MP/5M+W'D!(NOS;5*_O=_\$=O"EVY=;Y+&#Vl)&"">-5-O>\]#SOS)0AF[3 M'VM@7:#QIZ*&_(-"< EO@1"';ZAC!D M;ZDM86_I@[S33^!"@.K 8K9 -8"?4%TDL2-'RQG+G*

*BA!#884EM[#*_7V%L2A<"4CW6?$-#?6I.5;B M6*PM),4%#5F1]KP MS1X%C]L7K&[E8%2OMG/I7;WUUY?>M0NQ6/Z0ET7EA;VMW#X=$,-LY>U%ZME6*

*MI.Z3H;FM@=' +?", 7QY*53&:/1GC&G\=CG23G-*(XF M#$"W S..:PW5@1G.X Y@Q/_&W7XFW{(Q=@5 MX%X&N"?(PK0O&$R^4,HHI,9'(#5]!Z TR@G(S_2X' _,)NX8<%#J4T\'6=6T M\|@ZQ]M06F/,"""C2&3QWXR/D4AQ5BF*-MF]G&YIFJ#.]SR?#>#(?9>YIBBIUI MM-(O);>T1*4ZU%W\G+2IT<<?/:##YV)>A,)R>-J:R^<]R_@U#**HPH%&Q[AZ*

M2^>,YHLS+",_;'<6DOXR.4OJB2&VY?`_:?3/&<?I;.+S%l,+ER+EHG#AZV/:LM[MO/41CP0_4I+R.5H+Y1;&-K0O!P<(U/E!+,.3.9JI]:'[?6$2=LKE3PK?T5? M#CUB<:!.?OYC|(?*

NY<$,"_9M(3#BU5VSV7Os]LI0G@Q^0_-;IG;,W?F$B>-K% M6W^.>R>DV^HDFYU.T9U/;$=`O6$MM&Z>0$;>"9ZMD,_-F#='4?!BIAV58'L M.J.KMZ8^%QX2D23W+%[" #J/

*)BI#E=G[H:KZ[:OW@Y;@SW@ZIX^\'=2;LK- M#$=_15HSEE4;'&U?;N_4=B0+P M/\I[33NE/$9;.V%(*HAZ*\C4V_%]A."TAU1$_#U#N$IT,C?BE@H]:DG3UBC:/ 2^+- MCZP5AI|*

*(9\MLKV!\YY_Z+PT6&N*QG] :&/6[L7 19SQP/QKO>U^2E8XXDQH<3^_GCWI8_-$N+P!<@ S?CD%@_;PP5"/UY3U8RP@-3!Y'QO5OBG0 &QM9 RO<'G:*7]EC0Y PLAT4I M8%S< 1*

*MZ[?ZQNA(0%2]3OE'"@-1=5N];D<:.H]!F:W1T6#@CCFH[O97/0..V*B9Z$;? MR1+.^Q@W@~W6 Q.>"/C64++_CLK G5?84KI,&"8<[W<3R.$! 4S7V$\)R$#@ MFKB.'1$2;.\$IWK+S;*

*[']VSMG>S'DZCR###61+H\2HV-(4A.)UGE<|LVN9,1= M)*G=F<_'+5N38Q<7'(VHYW:<5GG^C3@9V.NTJK?]K&HU_/ +E\R=M5O9"5/O M>% T!^A^'7.ME9I=GIKUGUS-*

CH>IH!1,J5F-)GY=?GB0#U;U?Z.U=O.>F;5 MVG9:9'2HB9H414E&]PJ403#A\|>H4V8jB>0%W#A>D2RD'>KYUV*028RXA3 M>1_2';#;*3=2=<)#W3M^C R$^;Q@*

*E5CISMX8V8:5R[4E]/PZ6]*K]J2KONG MD.MZ0<$HN3Y#N3:.)M0^B>0.3F&1A\HBK\CUA@3N?-I@ S+Q M\CUI79^:R3N8$8>;!B^(HFH-/'G1.58.4.8NO;#T;9@_CZ\!"=#>,3N?YV?(*

M=KFWD69I(8L2+.^:Y?ED"'VYGTG<=DD3X$"0>YOMM[K^[8=48[FI8^T3Z-Z]^_MP UW-0M^F]'VVU=O\;<]VN6*1N.5$IFOBJ_1@,HE8K(V?(GWEB<2

M;BW/"QXLW8G;8P3.!K=NXG;NO;/X(&!)2FDC&8//!TF,3R\(61 4$(4KETT] M3F5WT805*>,30QEW_14)EIMR_'"-/!8E(.WNVU]K.65'$ M\/ M%]IY?*

I1#-2>,.++R#1\&*R;%6O,LF=P\R((B<58EGX@)=PE$6+)N?!TD[@ M)#BG21(G(6E[R02VE88+N$M6#@&7UEY/>@RW8"N#>\N20_A1!>>Y5,W MRBA&Y9ZZ+&II'WV-P2S ?')+(*

T+3B N$TL^4%[%I:$K$?,OA&[T(Y(SR8M&.MSEC%P(8;V'HOA TANLPO-7ZP;^/#+5M<,EBLG5)'(1+7?M?8 Q5T|"7V#2! M[\,/VC1Q'133%94OKTS;L_Z]>[79P],WU"I;?

*0!)GJ*I_P=L/*F&AM^(/E%H9^_^^(#0 BVP.=%$?S1S%V@[H"9 M0_,"H^O]>O_+;!!USY]NB,3BLMG'"$ZU%+9+,.;)?DB6LJB Q96"H9EC'2HN! M#?

*8EFL&M2ZG(+RH=CPZ'A;,=M2):$##98,2SO5]B7+3Y*FXPB**4L=1(*"\-^ ML#K]3'.[5V_-EKEAPP@RX.%44BY]@05F9LDFT$*7N>4P]/WR[ )2XC^)=-SL MHBV,HF1.!;*

[R=OXI4,Z&_2.LXIKG6F/7@U62+V'K3+]AK"M*R*CE]RNS2PG MCQN\^@$RSS_1Z.-*>US^?.?>1PC$; P'.* MN10LX)>< NJ%EF\PEL]Y6?>0Y_Z8 3 %]/0&7LT94?;*?LK?,.3[%_.^]^M%I\GG]%MNR7OI3+Q>BC\ZZ +1>*)?4%.P'J;V_QV+CDI6Z7[)2]]=7ZNQ-&G_58:MUO[FK]1^.:!PX060PP MM"#/S(L8;)-")E7"E^7?W"#L70}.JSN\ABR2'U!;.^QR; PO@/K"*

*AYQDQ78 M(MH59=R SVW8R^.^C7?9R4;ZG]_,&-B6B-AC'0&V_5?*7]ST-T1^]CR9"HK M5VL4K]Y^]-'F#.(*O@XP90'A:[<>$8&+!$H%$,'0_WD)V$3V%9{'1=7/>5)GR'*^%-T48#*

MW<-5:XM"H1GXBP^P.=$^PO/\$CQ!KAO,_+\3^ D6T"7P&P>].ET]'+L=G[$ M&96BXHC3\ 8KCCX,GE@"LMK^6Q_LK">_#>3^ +Z89K1O_FOM1 $>:+SU0Z(B-

*M!OV9/GL]ULIFAS+RH96(FY%92$/AVE2GYWX^GWE>$FQ#/8.4N2AX^@7OF@B!$ M.= 9'<}R/1F!U L"JE]I5P\,_PO:0^(+KE?K:IT_^ZT7(V.'$WLBII9;YL_W M++QWV<,N:6R ;_*Y*

Z1(L#@HP-8V P-$1B MW+,23S>6>$8XPY7MW>@~MIG./:+4"]+,1A|>X? =(\PV0^?1'4!HA.GB-& MN.$W&H3.1.W#WK5'@TGH06QCY!POA;@SB@K,)\Q=$.W+P)O.?&2{ PL|\?*

2 M(R6)+8I 7U]|^7#[#8POWA?0.@%9WJ3X6V$(,^8M:(G)!C:W8$N,@??TB DC MC-S>!IH[AREA%)RK,(P(;G-MEP'5N9<[9RPF>ML8YP >+<+.")BGH MP6!@KY3>'[(YCCQ/6;+Y-

*A#N9D)=#A;:,]@]%*P2?'"'MP?R?-)RI[$S|*$DI*T$6<=4G%WBV>V7[Q2RPC>W M]H*0]972%T(*)ETQFD MH ^'.2<;U\%R2LYWL=6ZUEX[=)S!-*

R"3N@>&56WP1W\?"@H\\16^4MG#TEOQ3 MA3=:=(HSQ9)1:\(^L:EL+ $9D ^X%C&;K(=ENPI2 M>1_2';#*3=2=<)#W3M^C R$^;Q@

*NP0)!0RTQ6$QGA?/F>5S>YDW:ZFL:;_F)1LE@Y8O.G.C:7WY M+DQ$SOX):P364OK3JQ1"TOO! QG!,/"TL1LG(*RH7&@&,56"#HB!U??B"!/% M?=-*

,=:YK7F"3ZL!T[X)Pf,)W_@LFG=@_Y $%OZQ|$,_AT0GMAR15^)H@WWF M"S+91Q|371WB!$^\,HK_TZ2D)O_P,T/BL'SO4!A^'/5N8F M1J1S8XYOC/.TX:>>PH S1P==M\, !R4M!*

[<\V@-^?!<1#_@UI;'U<(^A2%V M]6%)? @-Q4VG50(;AJ:.CW!^_TU!DD'O:3IH_ZE}(>*%3Y0 @"*>%(8/#,R=MEA!CL]NX=[5:NJIA,WC|C7 Y-N18JF%KJ]4Y7$@HR\-*

*-HQC=%]S/HH$"X]9K MGGD&FHZ!V^R>Y:DX0S)FUF@1H!63BU3";2&WBCY[2*E#.LV3,3*_+>.8,*?2 MUTQ/09'D*QSTQ=?OA<85N_"^8@*>@Q613Q'X3+IR5K0 IS.FY)F(9;P%9]YS*

*M_[4]**$<&U\ 9A;FO8 Q0Q]0Z/(D"&+<4L1\HR&6B@C6$W0:2MY/%L,75,OY M*GQ >=IPGRAU#X $Z/:@F0/W73C-\ %<_FG/0CA-,>-.=$#)D)Z+?BPL]RE% MQ>__D*

(5)Z%+>3UXQ$T'=3FAX&X)1B'LKO] _^TP_"FEW85TPH"24.(?(4) MQ2 =6Z24NA'$ O]SR!1[,_0NN9S&_5)6>.E MDI2;]9/-5"B:]@-*

*F/!$SMM(0"P<[FS4I)ZX&:0PVOU2L^6!\+Y+MB650S:*X M*.S.N7"-EZ^U:.^.ED%O*_@<!->W?JF:7IXXW6W\#Y!5[YY3G?3 M?(.-CA)XGW#7ZEY9.(V8R=8XH7H$S"Q9*EQG0I=+(@86)*

*T"5B*W0,K_-XUMA MN8DXB(%92">_=O%(&-A*GG]+_*1#?UBB8"N.N=)95,M)R*;R)=&W0$*!O5-^ M"Z5-%O*2(TR)A!O(6/,U,5[FAA$L> 9F@.&9PNM08:5_3_Z;W!]S(23]K,=F*

MY!$!>SAK0YE,,)4;5HU0 P<2LW$!Q+,,=\TY;P_D>W -6]#5"#@"R_+*G/C4 MQZ[")6^N/>DB*3;A33^?$L#)+IC&=_"S9$ M2;CP@$SY%Z9;-9?6,NP_((KJ=S9LX&,

*(HY|\50RPC9/GS^#PPF\\#0CU5*4BC|\BA/0P1C"A.:#$K_]OHS; MY5M@OPU;VZOW7V[Q,"R*$L:/*_B>@&=BBA@T"(W-*/B+P5CM=_$;)BZ1B,-Z MY5,^[9]D+I^F*44\\X?*

*#AA7.*E&9AHACGP7RA2A@FYS%ZV-/\@?4SW M"]=Z,1-V3FSM\TE70*U[=D/:*XH!"]H#NNS1B5,Z(@JB^GZ0D"7-SXHDW DI*

*M=SVCE>MGEA9W>T*1Q1:/KU"'%6*Q8SU7212[IPMR<=-&(_(GZ>.'GD>+P6&@Q+S:#W_LM(;R1UJD%]GA;WX-+CQCMLS""U\8 MO58OO7)XW5^'V\!Y -8^GQ?*

&MQ9B>^.K'Q:'QEZQ.2H;/9J7XE\J5?D.J.QLLLEQ=.N£%478<}6]?5#G\^Z,+ M=.]3W8.$ZZ@ .2B0#!;A"%6^5VA&\6ZGUY!&HNG5#E'=^]WI])%6NB5#%*.M\VODGK=XH,*

*]7,>E_!N>""DV%*MYC@VP;\74K8C9,@4@P/IW?#C4]7D*-U(_M6^:>%CB!WQ 03R>&36ZP6GA*FU_FN")P.\ 1DX5;V5:H"CS344/@&%!>]{HY M.E+Y8NZSZ29CWMGP"6SYC*TKA*;*

[:X@LJ 2LY](W\/_@@+&_F\7=Q;X2NS M9"XY]FU).D9HI(fY(CQ,KOU6RGJKUGV#,/5-%91MY=2^N 6?K L2519?PGQ%K_=M=_3LO8U&H]:PUZG:Y/@[:(VZPZ/U MQC&/TQL'?.3.0*

VJH8,:M@;&]AY0YK.1ZFO4B2OW%'U[C@9&Y1;|<_PU[C- MC< Y1[AH?]J:TS5H49U]%'MCHY/E^L7^W024]94H-G?7E8QXM(W]L'}WTP>*

*M==>FNQ1Y%?F;>Y<^_3>+7E8CMJ3LB7G3KFR;UO>ET]<&@ M>^1&,XUNW*1$MR&B:K[TH3E2HJM$MW&BV]5'W=X92FIZ_+9N$T?IG%<_GA]# MNK5KJTVK!*

[7Q]^T1FMN1KG/)/=V4HZ\.D!IYER+OTY.WV//Q:[+|\$YDS>N->R94[^B \OFBB M/D5@'ZH40NAI_416BDEEBK(0Q2"29 P@;516](8$'B&ITVL^T"4CV60+AS8 MD!>#8O6B

(9F:YFQ?Q=L&K/Z<A'J-#?@J97Y_X(5KV(7Q6Y:/2T3FZ:R4 M,REDGH.[9]38C>|%\D7CR[US+1HD[>]\EZ_K]H\U:!4E7=]RN!4E;>]\E95*

*MWJK*NUY$4U7>JLK[%%7>YU^K]7EMF_+ZH#$%??*PCT770U^N!M>,P1TICYC2 M5@:M0:_F*OB-H\;]{B;'H< M9^[Z;A2'%#Y3]<.7G& WU-N]86-3{)2L-4O6 MS)%*'*X//\Y9UJ|-*

*SFAM"|, *3OSI.'KSO,R124,G_U=AVZS&^K1?V41LT+1 M)O|3]AV*.TYFC94EOR!^O'D"\\+|)R M'X?TB9(1!%*:]"|@%PX08(54P1@>YFXQL<<@3TTS9)12*

*M7+A2]+M**912**7(ZEUVV4SHA]L#6<>"+PV+S2]34+>'74XIV57Y7@<)_]"T M+|Q 5+.IDA:19K!R-"%\!!RRY@5]LOJW@ M%6Q6]QF^Y^HW\!Q)91+OK4QZ+<;$"*

*[+4*8.7"6^RQ\OSK':LQ]6'WP,] I^O7>)QC;R7"ER'" M'7TX.'8/627"2H2?,-(;W]P>4$2B>43FS3 MB8/QQI5.*)TX2YTX"!>]P=IP[I'&2\53EP5G;_4X&_L.ES4QKD?[XOWSOLWV*

MW_C('&8'O.7V;^_P" &N[8F#=1C[U=O-3;Y/WSZZ?,1E--6UAYEKS[20B;(Q MJBHK=$??J[!MP<(H\'WF(;2H'}(K8D[%(C>LIK-"_DE>71?"B!.:!CRJN_958 M80RWNS[O]KP(72

STASL9'"6IN^39+A\XG$DRT%T:KK0$]/<([C:(05'A MA@'3A+B.';-A_MH86(=74#;2XI$ ME@>#9KQA_,6-FA4^O"S36"V0'TYSVQ^DS"8;QYUH\]&16WI_4B@N7(6/F G

M>IA|E'A4%ICR1!23PK?F'X_>6V@(.1>5:.-M2+()#;+2;Y.M7?+7)Y=YA, M1@:R;!M69VJ/R9'].4F>G;P9P???AG]HM_9?B1NYI&PYI0)I=0-GESK!:&/?_M\CRLP9U$+-

-&2_R8F#S618/PXRN1+.HP@R:NDYLIFQ5P9T+WE!H' MTFTM0-U_@N+%#*0>ES*N$V(]T]=70B"8'!V^B)85G$I@VPE0TUZFL]!A"&[H MW*!6+65%#>]A]8-%)*:AW07A&)[_8-*

*FNY\9+OI9-<(V=N?#JV/H)*E9G[1;C M$.SL.E._B92+Z::)2/8^CXR6"'"'882>QR0R#[.*?^)#G@B/%?:R81?0K.6"+ M((9!@U&'!<5R;BPG@ &%A%B 3)"$6N!/ WSFU]L[_H9/H%Q.?*

*@TIG-.M.-Q$G(5P@eFNA4*L55Z'P/]7[\YE@OVYCENFF(]\B&;6 _^)Or.YY2]/LG M.3O0B.LWC0V+<^DT*K(Z,UG<08UHW=2FXMWX(OE^'MXJ68[-'?CZXY.F.FU/*

M"+AS^Y!>#4Z#P#+A|9_\L<91X"7QYD?6"F%/Q(5F9=FH.H7(E__RB%6K7 M[!FY>]E!],'J.%WS82O3:/2C@$^,R8FYN8D=!G;T ;5(1"=$ZR.&10"(%(M1_] Z.@3WS|(10"(% #128BF

(@4 %%C 8AJG2WUN70S\GH?P7]J9B5'D5@U MN&8/[L)@!=Y;(6)31_RX& -I\5;,_"S,%) SZ(8XVT'AQAX=&Y<[0A9.?NS M05F*N6H MK%H:'T6V/F+L QQWF7"A*

$]6:!AN]_HMJQGRI;!L#'H"HF+++D[/%]+!>*ZX\ M%XZ.@@.HRO2[+L4>15YFWN7(E^]=EG-/CBA\TN%O@%-+>D?B!FDXFY/S9]! M61444[']FN;98W52%G:]BRI-*

*%]B\5#.7OH=1:K^P<U:8O2'"4YZP1UX/^1:T/1WQ(MZ^(?U2 ''S:4N/5OK@,#0!XJHH^O3=\Y#,*H%DA#[QBG7B*6(C 7U8TTQR$;7+'*

M"=)1?.N[ZR?)?/L5='C1TIYB')V]Q@'Z/RL,AJK15;P#06[@WQR; MXL%%&)O@@; IW###:G)]^'!7IT=+ ^9' :09N+.U8FR0A;30W$^9;"OD4K5V: MP36L\?<8P04"77 0-SB(6H*?'$WO-

*N4XU6'<38136Z7GA8/T'$U.BZ=$-9KA M5FGX#DR3<)7)QUZK5Q$B)*|(HX?0!#F8LM'|9SZ!ZQ6&XDI!%?$XA(YMM[HI M=*R -^-8K!;"S8)O,K8\1)U-0:5SO<&#^\N\17PRB!\86$BSR@->KB*^KLX(MQ@M$63(KE+?44IRWPMUP>!N$"EQ+&*W?%,KE]<-!X#6Z]L!@!46L5H:SSTF4 MT>IG8,1^>H<7\ZPMCA4@[RZBU;6J6QT!!"M!SXNQ_(,>28@8KT MP*2[$*

<,;]<[9N?!60U=.'!5AM?9-CP!3IU^/#\@H81XF3^-.M(T(<,'!W/$^[M[R$0\59B!M$@-!C0@1$;,>$+ T#$>0(R5LF"D_(>6IBBITR MM$O7^3]7+NL9O8%A#Q@;,EW6,\>#

*<:_7=3K6>&(,K7;_?T:#[^TR;Y@GPZ0B MBQ6Z$0>_1AK\#O=L@4LIBOH^&CTZV>3X@.M J$. ^5PXKK@M)B@NH+M(UYL,N0+Q.B=H*C6H?0>E*

*M0+P.1SG9L2@1#"^%X:4PO!2&U_,236%X*0RO4V!XG3XEO[W*?(]\C;W+D5> M1=[FWJ7(6Z]:N7-#_UP-[#YO-OUN^IUW2N0>\Z]WNMS0T$?&Z%')P'OI4(TS M?I4,-*

*UR&!X,>'B@95C+<8!DVVOJP^[BBC-K*CSC-#?BMXFWW88BITF]Y MR,V^2Y'WZ).UCYI_[[<*G_$]7E1G,/ 217# MLO# "BEW?P$CH(]7BU05EP78(67Q M]NMYXL/(%I8'MU*)'G*

*UF+.0UUE8F@?]9QKHRH,Y:

WXI7YSVM*^>ONS6=GBQ"%F$S-M04>S-)_%;7ML+9CPD,4+LY^UO.:7:$AT-B/:USUZ?!ULI/W"-%J&_!)OGUT8-MT8,5:8O0Q?[9WE*SXCATQPGO6AT', 'R'B1OE^5"^9[UEVT&"?\-%>@2G#Q?# M!,;#?BZ8'S%JY_UBE$U7SWW/2>@SZ3OGED-?DJ/_Q*:6O=1NP[\T*XJ2.;S6-M+[Q@R=A-R#R+SK#@+A@*T%)P2-X9AR!-2%RX-M;@<1#$_^-H-"*N.';^V_$C=RZ28QM#D'$IVH8K:&+-@7_# MFZ8#N_+$)PFPM*F%O$?.M0:I7(7,#]8^R+KHL(Z#BRP/)4K[S0]CF>5YVF\@-M${KVZ=-=)2EIU5B/|!)-[K::L_K-:8=MBE+]+YM7]KA.-4M%.F"%F63O93^R-MCXV7((_=3+#S-B,"H06#EW@Q::&?&1<7[T.S%B]\ZSW+CTD?&"C4-A5>PX@J-M*A;7'+/7,M,/<'L(\5APC4T1X45-053-Z3'>^U01)]7^&WK^X]S.4+?O4-_M*E/V:KB)'W6C9H>J=5N-)[31M^3:]-MI9.K9-2.8-.,?FZ17?=+PL!FS.'BV37S/@PJ(1J;R821D2-QUD'',H'-&2D7-MG!>8+'>0I)RBH8(IP("!(X']R5\';0SFLN79.RYMO99OA\?I.NA>P]O1;MF-M,Q1R'6?D)7@RA7HASL1R?D.J/;