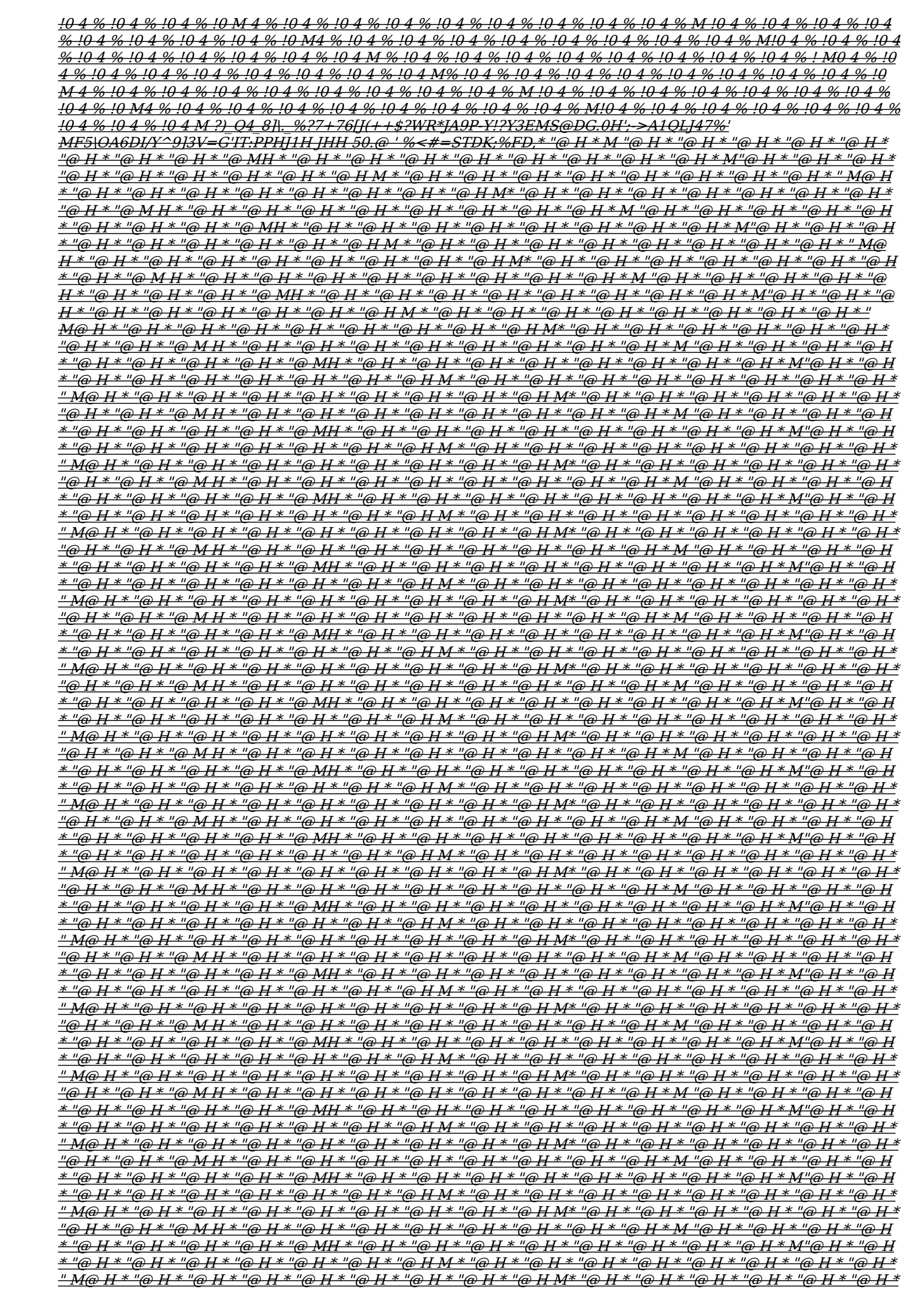

0001493152-24-03781810-K AMERICAN BATTERY TECHNOLOGY Co 20240923202409231630421630421630420 0 0001493152-24-037818 10-K 115 20240630 20240923 20240923 AMERICAN BATTERY TECHNOLOGY Co 0001576873 1400 331227980 NV 0630 10-K 34 001-41811 241316574 100 WASHINGTON STREET SUITE 100 RENO NV 89503 775-473-4744 100 WASHINGTON STREET SUITE 100 RENO NV 89503 AMERICAN BATTERY METALS CORP 20190515 Oroplata Resources, Inc. 20130514 10-K 1 form10-k.htm false FY 0001576873 http://fasb.org/us-gaap/2024#Liabilities http://fasb.org/us-gaap/2024#Liabilities P3Y 0001576873 2023-07-01 2024-06-30 0001576873 2023-12-31 0001576873 2024-09-18 0001576873 2022-07-01 2023-06-30 0001576873 2024-06-30 0001576873 2023-06-30 0001576873 us-gaap:SeriesAPreferredStockMember 2024-06-30 0001576873 us-gaap:SeriesAPreferredStockMember 2023-06-30 0001576873 us-gaap:SeriesBPreferredStockMember 2024-06-30 0001576873 us-gaap:SeriesBPreferredStockMember 2023-06-30 0001576873 us-gaap:SeriesCPreferredStockMember 2024-06-30 0001576873 us-gaap:SeriesCPreferredStockMember 2023-06-30 0001576873 us-gaap:PreferredStockMember us-gaap:SeriesAPreferredStockMember 2022-06-30 0001576873 us-gaap:PreferredStockMember us-gaap:SeriesCPreferredStockMember 2022-06-30 0001576873 us-gaap:CommonStockMember 2022-06-30 0001576873 us-gaap:AdditionalPaidInCapitalMember 2022-06-30 0001576873 ABAT:CommonStockIssuableMember 2022-06-30 0001576873 us-gaap:RetainedEarningsMember 2022-06-30 0001576873 2022-06-30 0001576873 us-gaap:PreferredStockMember us-gaap:SeriesAPreferredStockMember 2023-06-30 0001576873 us-gaap:PreferredStockMember us-gaap:SeriesCPreferredStockMember 2023-06-30 0001576873 us-gaap:CommonStockMember 2023-06-30 0001576873 us-gaap:AdditionalPaidInCapitalMember 2023-06-30 0001576873 ABAT:CommonStockIssuableMember 2023-06-30 0001576873 us-gaap:RetainedEarningsMember 2023-06-30 0001576873 us-gaap:PreferredStockMember us-gaap:SeriesAPreferredStockMember 2022-07-01 2023-06-30 0001576873 us-gaap:PreferredStockMember us-gaap:SeriesCPreferredStockMember 2022-07-01 2023-06-30 0001576873 us-gaap:CommonStockMember 2022-07-01 2023-06-30 0001576873 us-gaap:AdditionalPaidInCapitalMember 2022-07-01 2023-06-30 0001576873 ABAT:CommonStockIssuableMember 2022-07-01 2023-06-30 0001576873 us-gaap:RetainedEarningsMember 2022-07-01 2023-06-30 0001576873 us-gaap:PreferredStockMember us-gaap:SeriesAPreferredStockMember 2023-07-01 2024-06-30 0001576873 us-gaap:PreferredStockMember us-gaap:SeriesCPreferredStockMember 2023-07-01 2024-06-30 0001576873 us-gaap:CommonStockMember 2023-07-01 2024-06-30 0001576873 us-gaap:AdditionalPaidInCapitalMember 2023-07-01 2024-06-30 0001576873 ABAT:CommonStockIssuableMember 2023-07-01 2024-06-30 0001576873 us-gaap:RetainedEarningsMember 2023-07-01 2024-06-30 0001576873 us-gaap:PreferredStockMember us-gaap:SeriesAPreferredStockMember 2024-06-30 0001576873 us-gaap:PreferredStockMember us-gaap:SeriesCPreferredStockMember 2024-06-30 0001576873 us-gaap:CommonStockMember 2024-06-30 0001576873 us-gaap:AdditionalPaidInCapitalMember 2024-06-30 0001576873 ABAT:CommonStockIssuableMember 2024-06-30 0001576873 us-gaap:RetainedEarningsMember 2024-06-30 0001576873 2023-09-11 2023-09-11 0001576873 srt:RevisionOfPriorPeriodErrorCorrectionAdjustmentMember 2022-07-01 2023-06-30 0001576873 srt:RevisionOfPriorPeriodErrorCorrectionAdjustmentMember 2023-06-30 0001576873 srt:ScenarioPreviouslyReportedMember 2023-06-30 0001576873 ABAT:AsCorrectedMember 2023-06-30 0001576873 srt:ScenarioPreviouslyReportedMember 2022-07-01 2023-06-30 0001576873 ABAT:AsCorrectedMember 2022-07-01 2023-06-30 0001576873 us-gaap:AdditionalPaidInCapitalMember srt:ScenarioPreviouslyReportedMember 2022-06-30 0001576873 us-gaap:AdditionalPaidInCapitalMember srt:RevisionOfPriorPeriodErrorCorrectionAdjustmentMember 2022-06-30 0001576873 us-gaap:AdditionalPaidInCapitalMember ABAT:AsCorrectedMember 2022-06-30 0001576873 us-gaap:AdditionalPaidInCapitalMember srt:ScenarioPreviouslyReportedMember 2022-07-01 2023-06-30 0001576873 us-gaap:AdditionalPaidInCapitalMember srt:RevisionOfPriorPeriodErrorCorrectionAdjustmentMember 2022-07-01 2023-06-30 0001576873 us-gaap:AdditionalPaidInCapitalMember ABAT:AsCorrectedMember 2022-07-01 2023-06-30 0001576873 us-gaap:AdditionalPaidInCapitalMember srt:ScenarioPreviouslyReportedMember 2023-06-30 0001576873 us-gaap:AdditionalPaidInCapitalMember srt:RevisionOfPriorPeriodErrorCorrectionAdjustmentMember 2023-06-30 0001576873 us-gaap:AdditionalPaidInCapitalMember ABAT:AsCorrectedMember 2023-06-30 0001576873 us-gaap:RetainedEarningsMember srt:ScenarioPreviouslyReportedMember 2022-07-01 2023-06-30 0001576873 us-gaap:RetainedEarningsMember srt:RevisionOfPriorPeriodErrorCorrectionAdjustmentMember 2022-07-01 2023-06-30 0001576873 us-gaap:RetainedEarningsMember ABAT:AsCorrectedMember 2022-07-01 2023-06-30 0001576873 us-gaap:RetainedEarningsMember srt:ScenarioPreviouslyReportedMember 2023-06-30 0001576873 us-gaap:RetainedEarningsMember srt:RevisionOfPriorPeriodErrorCorrectionAdjustmentMember 2023-06-30 0001576873 us-gaap:RetainedEarningsMember ABAT:AsCorrectedMember 2023-06-30 0001576873 us-gaap:BuildingMember 2024-06-30 0001576873 us-gaap:BuildingImprovementsMember 2024-06-30 0001576873 ABAT:EquipmentAndVehiclesMember 2024-06-30 0001576873 srt:MinimumMember 2023-07-01 2024-06-30 0001576873 srt:MaximumMember 2023-07-01 2024-06-30 0001576873 ABAT:ConvertibleNotesMember 2023-07-01 2024-06-30 0001576873 ABAT:ConvertibleNotesMember 2022-07-01 2023-06-30 0001576873 us-gaap:WarrantMember 2023-07-01 2024-06-30 0001576873 us-gaap:WarrantMember 2022-07-01 2023-06-30 0001576873 us-gaap:RestrictedStockMember 2023-07-01 2024-06-30 0001576873 us-gaap:RestrictedStockMember 2022-07-01 2023-06-30 0001576873 ABAT:AMMTOGrantMember 2021-01-20 2021-01-20 0001576873 srt:MaximumMember ABAT:AMMTOGrantMember 2021-01-20 2021-01-20 0001576873 srt:MaximumMember ABAT:AMMTOGrantMember 2021-01-20 0001576873 ABAT:AMMTOGrantMember ABAT:OctoberOneTwoThousandTwentyOneMember 2024-06-30 0001576873 ABAT:USABCGrantMember 2021-08-16 2021-08-16 0001576873 srt:MaximumMember ABAT:USABCGrantMember 2021-08-16 0001576873 ABAT:USABCGrantMember 2024-06-30 0001576873 2022-10-21 2022-10-21 0001576873 srt:MaximumMember 2022-10-21 2022-10-21 0001576873 srt:MaximumMember 2022-10-21 0001576873 ABAT:SeptemberOneTwoThousandTwentyThreeMember 2024-06-30 0001576873 2022-11-17 2022-11-17 0001576873 srt:MaximumMember 2022-11-17 2022-11-17 0001576873 srt:MaximumMember 2022-11-17 0001576873 ABAT:OctoberOneTwoThousandTwentyThreeMember 2024-06-30 0001576873 2024-03-28 0001576873 2024-03-27 2024-03-28 0001576873 ABAT:LinicoCorporationMember ABAT:AssetPurchaseAgreementMember 2023-03-01 2023-03-01 0001576873 ABAT:AquaMetalsTransferLLCMember ABAT:MembershipInterestPurchaseAgreementMember 2023-03-01 0001576873 ABAT:AquaMetalsTransferLLCMember ABAT:AssetPurchaseAgreementMember 2023-03-01 2023-03-01 0001576873 ABAT:AmendedAgreementMember 2023-06-30 2023-06-30 0001576873 ABAT:AmendedAgreementMember 2023-06-30 0001576873 2023-08-11 0001576873 us-gaap:LandMember 2024-06-30 0001576873 us-gaap:LandMember 2023-06-30 0001576873 us-gaap:BuildingMember 2024-06-30 0001576873 us-gaap:BuildingMember 2023-06-30 0001576873 ABAT:EquipmentAndVehiclesMember 2024-06-30 0001576873

ABAT:EquipmentAndVehiclesMember 2023-06-30 0001576873 ABAT:AquaMetalsTransferLLCMember ABAT:AssetPurchaseAgreementMember 2023-08-11 0001576873 us-gaap:LandAndBuildingMember 2024-06-30 0001576873 ABAT:WaterRightsMember 2024-06-30 0001576873 ABAT:TonographFlatsLithiumProjectMember 2023-07-22 0001576873 2023-09-12 0001576873 2023-09-12 2023-09-12 0001576873 2023-08-11 2023-08-21 0001576873 ABAT:WaterRightsMember 2024-06-30 0001576873 ABAT:WaterRightsMember 2023-06-30 0001576873 us-gaap:SubsequentEventMember ABAT:SettlementAgreementMember 2024-07-03 0001576873 ABAT:CreditAgreementMember 2023-05-17 0001576873 ABAT:CreditAgreementMember 2023-05-17 2023-05-17 0001576873 ABAT:PurchaseAgreementMember srt:MaximumMember 2023-08-29 2023-08-29 0001576873 ABAT:PurchaseAgreementMember 2023-08-29 2023-08-29 0001576873 ABAT:PurchaseAgreementMember ABAT:SeniorSecuredConvertibleNotesMember 2023-08-29 2023-08-29 0001576873 ABAT:PurchaseAgreementMember ABAT:SeniorSecuredConvertibleNotesMember 2023-08-29 0001576873 ABAT:PurchaseAgreementMember 2023-08-29 0001576873 ABAT:PurchaseAgreementMember us-gaap:CommonStockMember 2023-08-29 0001576873 us-gaap:MeasurementInputPriceVolatilityMember us-gaap:FairValueInputsLevel3Member 2024-06-30 0001576873 us-gaap:MeasurementInputRiskFreeInterestRateMember us-gaap:FairValueInputsLevel3Member 2024-06-30 0001576873 ABAT:SeriesABAndCPreferredStockMember 2024-06-30 0001576873 ABAT:SeriesABAndCPreferredStockMember 2023-06-30 0001576873 us-gaap:SeriesBPreferredStockMember us-gaap:PreferredStockMember 2024-06-30 0001576873 us-gaap:SeriesBPreferredStockMember us-gaap:PreferredStockMember 2023-06-30 0001576873 ABAT:PriorReverseStockMember 2023-09-11 0001576873 ABAT:PostReverseStockMember 2023-09-11 0001576873 us-gaap:CommonStockMember 2023-09-11 2023-09-11 0001576873 ABAT:ProfessionalServiceProvidersMember 2022-07-01 2023-06-30 0001576873 us-gaap:CommonStockMember ABAT:ExecutivesDirectorsAndEmployeesMember 2023-07-01 2024-06-30 0001576873 ABAT:OfficersMember 2023-07-01 2024-06-30 0001576873 ABAT:BuildingPurchaseAgreementMember 2023-07-28 2023-07-28 0001576873 ABAT:TysadcoAgreementMember srt:MaximumMember 2023-07-01 2024-06-30 0001576873 ABAT:TysadcoAgreementMember 2023-07-01 2024-06-30 0001576873 ABAT:TysadcoAgreementMember 2024-06-30 0001576873 ABAT:VirtuAmericasLLCMember 2024-04-03 0001576873 ABAT:VirtuAmericasLLCMember 2024-04-03 2024-04-03 0001576873 ABAT:VirtuAmericasLLCMember 2023-07-01 2024-06-30 0001576873 ABAT:VirtuAmericasLLCMember 2024-06-30 0001576873 us-gaap:WarrantMember 2022-07-01 2023-06-30 0001576873 us-gaap:WarrantMember 2023-07-01 2024-06-30 0001576873 us-gaap:WarrantMember 2024-06-30 0001576873 ABAT:OfficerAndDirectorMember 2023-07-01 2024-06-30 0001576873 us-gaap:CommonStockMember ABAT:TwentyTwentyOneEquityRetentionPlanMember 2022-07-01 2023-06-30 0001576873 ABAT:NewRecyclingFacilityMember 2022-07-01 2023-06-30 0001576873 ABAT:NewRecyclingFacilityMember 2023-06-30 0001576873 ABAT:PurchaseAgreementMember ABAT:SaleOfSharesMember 2023-06-30 0001576873 ABAT:PurchaseAgreementMember 2023-06-30 0001576873 ABAT:PurchaseAgreementMember 2022-07-01 2023-06-30 0001576873 ABAT:SharePurchaseAgreementMember 2023-03-01 2023-03-31 0001576873 ABAT:SharePurchaseAgreementMember 2023-03-31 0001576873 ABAT:SharePurchaseAgreementMember ABAT:SeriesAWarrantsMember 2023-03-01 2023-03-31 0001576873 ABAT:SharePurchaseAgreementMember ABAT:SeriesAWarrantsMember 2023-03-31 0001576873 ABAT:SharePurchaseAgreementMember ABAT:SeriesBWarrantsMember 2023-03-01 2023-03-31 0001576873 ABAT:SharePurchaseAgreementMember ABAT:SeriesBWarrantsMember 2023-03-31 0001576873 2023-03-01 2023-03-31 0001576873 ABAT:PlacementAgentMember 2023-03-31 0001576873 ABAT:SharePurchaseAgreementEffectiveAprilTwoTwoThousandAndTwentyOneMember 2023-03-01 2023-03-31 0001576873 ABAT:SharePurchaseAgreementMember 2023-05-01 2023-05-31 0001576873 ABAT:SharePurchaseAgreementMember 2023-05-31 0001576873 ABAT:SharePurchaseAgreementMember ABAT:SeriesAWarrantsMember 2023-05-01 2023-05-31 0001576873 ABAT:SharePurchaseAgreementMember ABAT:SeriesAWarrantsMember 2023-05-31 0001576873 ABAT:SharePurchaseAgreementMember ABAT:SeriesBWarrantsMember 2022-07-01 2023-06-30 0001576873 ABAT:SharePurchaseAgreementEffectiveAprilTwoTwoThousandAndTwentyOneMember 2023-05-01 2023-05-31 0001576873 ABAT:NewRecyclingFacilityMember 2023-05-11 2023-05-12 0001576873 ABAT:NewRecyclingFacilityMember 2023-05-12 2023-05-12 0001576873 ABAT:PurchaseAgreementMember ABAT:TysadcoPartnersLLCMember 2021-04-01 2021-04-02 0001576873 ABAT:SharePurchaseAgreementEffectiveAprilTwoTwoThousandAndTwentyOneMember 2021-07-01 2022-06-30 0001576873 2021-04-01 2021-04-02 0001576873 ABAT:SharePurchaseAgreementEffectiveAprilTwoTwoThousandAndTwentyOneMember 2022-07-01 2023-06-30 0001576873 ABAT:PurchaseAgreementMember ABAT:TysadcoPartnersLLCMember 2023-06-25 2023-06-26 0001576873 ABAT:FormerProfessionalServiceProviderMember 2023-05-17 2023-05-17 0001576873 us-gaap:WarrantMember 2023-07-01 2023-09-30 0001576873 2022-12-31 0001576873 ABAT:TwoThousandTwentyOneEquityRetentionPlanMember 2023-07-01 2024-06-30 0001576873 ABAT:TwoThousandTwentyOneEquityRetentionPlanMember 2022-07-01 2023-06-30 0001576873 srt:OfficerMember 2023-07-01 2024-06-30 0001576873 srt:OfficerMember 2022-07-01 2023-06-30 0001576873 srt:DirectorMember 2023-07-01 2024-06-30 0001576873 srt:DirectorMember 2022-07-01 2023-06-30 0001576873 srt:OfficerMember us-gaap:WarrantMember 2023-07-01 2024-06-30 0001576873 srt:OfficerMember us-gaap:WarrantMember 2022-07-01 2023-06-30 0001576873 srt:BoardOfDirectorsChairmanMember 2023-07-01 2024-06-30 0001576873 us-gaap:GeneralAndAdministrativeExpenseMember 2023-07-01 2024-06-30 0001576873 us-gaap:GeneralAndAdministrativeExpenseMember 2022-07-01 2023-06-30 0001576873 us-gaap:ResearchAndDevelopmentExpenseMember 2023-07-01 2024-06-30 0001576873 us-gaap:ResearchAndDevelopmentExpenseMember 2022-07-01 2023-06-30 0001576873 ABAT:ExplorationMember 2023-07-01 2024-06-30 0001576873 ABAT:ExplorationMember 2022-07-01 2023-06-30 0001576873 us-gaap:DomesticCountryMember 2024-06-30 0001576873 us-gaap:StateAndLocalJurisdictionMember 2024-06-30 0001576873 us-gaap:DomesticCountryMember ABAT:UnusedMember 2024-06-30 0001576873 us-gaap:DomesticCountryMember ABAT:UnusedMember 2023-07-01 2024-06-30 0001576873 us-gaap:DomesticCountryMember ABAT:IndefinitelyMember 2024-06-30 0001576873 us-gaap:StateAndLocalJurisdictionMember ABAT:UnusedMember 2024-06-30 0001576873 us-gaap:StateAndLocalJurisdictionMember ABAT:UnusedMember 2023-07-01 2024-06-30 0001576873 us-gaap:StateAndLocalJurisdictionMember ABAT:IndefinitelyMember 2024-06-30 0001576873 2021-07-01 2022-06-30 0001576873 srt:ExecutiveOfficerMember 2022-07-01 2023-06-30 0001576873 ABAT:SettlementAgreementMember us-gaap:SubsequentEventMember 2024-07-03 2024-07-03 0001576873 ABAT:SettlementAgreementMember 2024-06-30

2024-06-30 0001576873 ABAT:SubscriptionAgreementMember us-gaap:SubsequentEventMember 2024-08-01 2024-08-01 0001576873 ABAT:SubscriptionAgreementMember us-gaap:SubsequentEventMember ABAT:SeriesAWarrantsMember 2024-08-01 2024-08-01 0001576873 ABAT:SubscriptionAgreementMember us-gaap:SubsequentEventMember ABAT:SeriesBWarrantsMember 2024-08-01 2024-08-01 0001576873 us-gaap:SubsequentEventMember 2024-08-01 2024-08-01 0001576873 us-gaap:SubsequentEventMember ABAT:SeriesAWarrantsMember 2024-08-01 2024-08-01 iso4217:USD xbrli:shares iso4217:USD xbrli:shares utr:acre ABAT:Integer xbrli:pure utr:sqft Â Â Â UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 Â FORM 10-K Â â˜’ ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934 Â For the fiscal year ended June 30, 2024 Â â˜ TRANSITION REPORT PURSUANT TO SECTION 13 OR 15 (d) OF THE EXCHANGE ACT OF 1934 Â Commission File number: 000-55088 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY (Exact name of registrant as specified in its charter) Â Nevada Â 33-1227980 (State or other jurisdiction of incorporation or organization) Â (I.R.S. Employer Identification No.) Â 100 Washington Street, Suite 100, Reno, NV 89503 (Address of principal executive offices, including zip code) Â (775) 473-4744 (Registrantâ€™s telephone number, including area code) Â (Former name, former address and former fiscal year, if changed since last report) Â Securities registered pursuant to Section 12(b) of the Act: Â Title of Each Class Â Trading Symbol(s) Â Name of Each Exchange on Which Registered Common stock, $0.001 par value Â ABAT Â The Nasdaq Stock Market LLC Â Securities registered pursuant to Section 12(g) of the Act: None Â Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes â˜ No â˜’ Â Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes â˜ No â˜’ Â Indicate by check mark whether the registrant (1) filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the past 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes â˜’ No 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). Yes â˜’ No 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 â€œlarge accelerated filer,â€ â€œaccelerated filer,â€ â€œsmaller reporting company,â€ and â€œemerging growth companyâ€ in Rule 12b-2 of the Exchange Act. Â Â Large accelerated filer â˜ Accelerated filer â˜ Â Non-accelerated filer â˜’ Smaller reporting company â˜’ Â Emerging growth company â˜ Â Â Â 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 Indicate by check mark whether the registrant has filed a report on and attestation to its managementâ€™s assessment of the effectiveness of its internal control over financial reporting under Section 404(b) of the Sarbanes-Oxley Act by the registered public accounting firm that prepared or issued its audit report. â˜ Â If securities are registered pursuant to Section 12(b) of the Act, indicate by check mark whether the financial statements of the registrant included in the filing reflect the correction of an error to previously issued financial statements. â˜’ Â Indicate by check mark whether any of those error corrections are restatements that required a recovery analysis of incentive-based compensation received by any of the registrantâ€™s executive officers during the relevant recovery period pursuant to Â§240.10D-1(b). â˜ Â Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act) Yes â˜ No â˜’ Â The aggregate market value of the voting and non-voting common equity held by non-affiliates, based on the closing price per share of the registrantâ€™s common stock on The Nasdaq Capital Market was approximately $231 million as of December 31, 2023. Â Number of shares outstanding of the registrantâ€™s common stock, par value $0.001, as of September 18, 2024: 72,048,442 Â DOCUMENTS INCORPORATED BY REFERENCE Â Certain information in Part III of this Annual Report on Form 10-K is incorporated by reference to our definitive Proxy Statement for the 2024 Annual Meeting of Shareholders to be filed with the Securities and Exchange Commission within 120 days after the fiscal year ended June 30, 2024. Â Â Â Â Â Â CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS Â This annual report on Form 10-K (this â€œReportâ€) contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended (â€œSecurities Actâ€), and Section 21E of the Securities Exchange Act of 1934, as amended (â€œExchange Actâ€). All statements included in this Report, other than statements of historical facts, that address activities, conditions, events, or developments with respect to our financial condition, results of operations, business prospects or economic performance that we expect, believe, or anticipate will or may occur in the future, or that address plans and objectives of management for future operations, are forward-looking statements. The forward-looking statements are contained principally in the â€œBusinessâ€ and â€œManagementâ€™s Discussion and Analysis of Financial Condition and Results of Operationsâ€ sections of this Report. These statements involve known and unknown risks, uncertainties and other factors that may cause our actual results, performance or achievements to be materially different from any future results, performances or achievements expressed or implied by the forward-looking statements. In some cases, you can identify forward-looking statements by terms such as â€œanticipatesâ€, â€œbelievesâ€, â€œseeksâ€, â€œcouldâ€, â€œestimatesâ€, â€œexpectsâ€, â€œintendsâ€, â€œmayâ€, â€œplansâ€, â€œpotentialâ€, â€œpredictsâ€, â€œprojectsâ€, â€œshouldâ€, â€œwouldâ€ and similar expressions intended to identify forward-looking statements. Â Forward-looking statements appear throughout this report, and include statements about such matters as: anticipated operating results; relationships with our customers; consumer demand; financial resources and condition; changes in revenues; changes in profitability; changes in accounting treatment; cost of sales; selling, general and administrative expenses; interest expense; the ability to produce the liquidity or enter into agreements to acquire the capital necessary to continue our operations and take advantage of opportunities; legal proceedings and claims. Â Forward-looking statements reflect our current views with respect to future events and are based on assumptions and analyses made by us in light of our experience and our perception of historical trends, current conditions, expected future developments, and other factors that we believe are appropriate under the circumstances. We caution you that forward-looking statements are not guarantees of future performance and these statements are subject to known and unknown risks and uncertainties, which may cause our actual results or performance to be materially different from any future results or performance expressed or implied by the forward-looking statements. Factors that may cause our financial condition, results of operations, business prospects or economic performance to differ from expectations include the factors discussed in Part I, Item 1A, Risk Factors below and elsewhere in this Report. Â Also, forward-looking statements represent our estimates and assumptions only as of the date of this Report. You should read this Report and the documents that we reference and file as exhibits to this Report completely and with the understanding that our actual future results may be materially different from what we expect. The forward-looking statements in this report speak only as of the filing of this Report. Except as required by applicable securities laws, we assume no obligation to update any prior forward-looking statements. Â PRESENTATION OF INFORMATION Â Except as otherwise indicated by the context, references in this Report to â€œweâ€, â€œusâ€, â€œourâ€ and the â€œCompanyâ€ are to the combined business of American Battery Technology Company and its consolidated subsidiaries. Â This Report includes our audited consolidated financial statements as of and for the fiscal years ended June 30, 2024 and June 30, 2023. These financial statements have been prepared in accordance with generally accepted accounting principles in the United States (â€œUS GAAPâ€). All financial information in this Report is presented in US dollars, unless otherwise indicated, and should be read in conjunction with our audited consolidated financial statements and the notes thereto included in this Report. Â 2 Â Â TABLE OF CONTENTS Â PART I Â Â Â Â Item 1. Business 4 Item 1A. Risk Factors 9 Item 1B. Unresolved Staff Comments 18 Item 1C. Cybersecurity 18 Item 2. Properties 18 Item 3. Legal Proceedings 24 Item 4 Mine Safety Disclosures 24 Â Â Â PART II Â Â Â Â Item 5. Market for Registrantâ€™s Common Equity and Related Stockholder Matters and Issuer Purchases of Equity Securities 25 Item 6. [Reserved.] 25 Item 7. Managementâ€™s Discussion and Analysis of Financial Condition and Results of Operations 25 Item 7A. Quantitative and Qualitative Disclosures about Market Risk 32 Item 8. Financial Statements and Supplementary Data 33 Item 9. Changes in and Disagreements with Accountants on Accounting and Financial Disclosure 34 Item 9A Controls and Procedures 34 Item 9B. Other Information 35 Item 9C. Disclosure Regarding Foreign Jurisdictions that Prevent Inspections 35 Â Â Â PART III Â Â Â Â Item 10. Directors, Executive Officers and Corporate Governance 35 Item 11. Executive Compensation 35 Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters 35 Item 13. Certain Relationships and Related Transactions, and Director Independence 35 Item 14. Principal Accounting Fees and Services 35 Â Â Â PART IV Â Â Â Â Item 15. Exhibits and Financial Statement Schedules 36 Item 16. Form 10-K Summary 36 Â Signatures 37 Â 3 Â Â PART I Â Item 1. Business Â Introduction Â American Battery Technology Company (the â€œCompanyâ€, â€œweâ€ and â€œusâ€) is a technology development and commercialization company in the battery materials sector of the lithium-ion battery industry. The Company is working to increase the domestic US production of critical battery metals. To do so, we are engaged in (i) the exploration of new primary resources of battery metals, (ii) the development and commercialization of new technologies for the extraction and refining of these battery metals from primary resources, and (iii) the commercialization of an internally developed integrated process for the recycling of lithium-ion batteries for the recovery of battery materials. Through this three-pronged approach we are working to both increase the domestic production of these battery materials through the acquisition and exploration of mining claims and to ensure that these constituent elemental metals are returned to the domestic manufacturing supply chain in a closed-loop fashion. In addition, we are committed to operating our business in a safe and environmentally responsible manner by working with our employees, customers, vendors, and local communities to minimize our environmental impact and comply with local, state and federal environmental laws and regulations. Â The Companyâ€™s corporate headquarters are in Reno, Nevada, and its mineral exploration office is located in Tonopah, Nevada. The Company is commissioning its novel recycling plant for recycling lithium-ion batteries in McCarran, Nevada. Â Company History Â The Company was incorporated as Oroplata Resources, Inc. under the laws of the State of Nevada on October 6, 2011, for the purpose of acquiring rights to mineral properties with the eventual objective of being a producing mineral company. On August 8, 2016, the Company formed Lithortech Resources Inc. as a wholly owned subsidiary of the Company to serve as its operating subsidiary for lithium resource exploration and mine development. On June 29, 2018, the Company changed the name of Lithortech Resources to LithiumOre Corp. (â€œLithiumOreâ€). On May 3, 2019, the Company changed its name to American Battery Metals Corporation. On August 12, 2021, the Company further changed its name to American Battery Technology Company, which better aligns with the Companyâ€™s current business activities and future objectives. Â Industry Overview Â Lithium-ion batteries have become the rechargeable battery of choice in cell phones, computers, electric vehicles, and large scale electric stationary storage systems. Global production capacity of lithium-ion batteries was approximately 1,570 gigawatt hours per year (â€œGWh/yrâ€) at the end of 2023 and is forecasted to grow to approximately 6,790 GWh/yr by 2031, primarily driven by demand for electric vehicles. There continues to be long-term regulatory and social movement driving demand growth for electric vehicles and large-format energy storage systems. This, in turn, is driving significant demand for battery materials such as lithium, cobalt, nickel, and manganese. Â Lithium-ion batteries are designed in a variety of form-factors and chemistries. Current cell-level form-factors utilized are primarily cylindrical, prismatic, and pouch geometries. The most common battery cathode chemistries that have emerged are lithiated nickel cobalt aluminum oxide (â€œNCAâ€), lithiated nickel manganese cobalt oxide (â€œNMCâ€), lithiated cobalt oxide (â€œLCOâ€), and lithiated iron phosphate (â€œLFPâ€). The most common battery anode chemistries consist of graphite, silicon, and lithium metal. These chemistries are expected to evolve based on the development of new technologies and the availability, cost, and life-cycle environmental footprint of required minerals. Â 4 Â Â The current manufacturing supply chain for lithium-ion batteries is segmented and is organized into sub-industries that operate in a closed-loop fashion: Â Â â— battery material providers, Â â— chemical refiners, Â â— cell manufacturers, and Â â— end-use product (electric vehicle, stationary storage, consumer electronics, etc.) manufacturers. Â Battery material providers can be classified into two categories: primary producers who explore for and extract virgin resources, and secondary producers who extract minerals from scrap and end-of-life products for re-sale into the lithium-ion battery supply chain. The Company intends to operate in both categories of the battery material supply segment, which is discussed in greater detail below. Â Chemical refiners source battery-grade materials from suppliers to manufacture into cell components, including cathodes, anodes, electrolytes, and separators. Currently the vast majority of global refining capacity is located outside the United States, primarily in Asia. Â Cell manufacturers source cell components and assemble those components into modules and packs, which are then sold to Original Equipment Manufacturers (â€œOEMâ€ or â€œOEMsâ€). Cell manufacturing is also currently concentrated in Asia, with China accounting for over 75% of global cell manufacturing capacity. Â The OEM segment is the final step to manufacturing any end-use product containing lithium-ion batteries. OEM manufacturing capacity for electric vehicles, stationary storage, and consumer electronics is distributed globally and is expected to increase more than an order of magnitude over the next several years. Â Each segment of the lithium-ion battery supply chain has seen disparate quantities of investment, with those variations further pronounced with specific geographies. Investment in battery material suppliers, both primary and secondary, and chemical refining capacity, has been far outpaced by investments in cell manufacturing and end-use OEMs, with anticipated battery production capacity forecasted to be roughly ten times the forecasted capacity for precursor metal refining. This disconnect in available feedstock and refining capacity has caused significant imbalances in the global supply chain, with those imbalances even more pronounced within the United States and apparent by the volatility in price of these underlying materials. Further, while there is significant cell manufacturing and OEM manufacturing capacity in the United States, less than 1% of global battery materials needed to supply these facilities are sourced in the US, resulting in a severe domestic capacity imbalance and risk to the domestic economy. This risk in the security and cost of supply has resulted in numerous issues for industries reliant on lithium-ion batteries and has the potential to dramatically slow the adoption of electric vehicles, renewable energy storage and other uses for lithium-ion battery metals. Â Overview of Battery Materials Supply Â Supply of battery materials is currently dominated by primary production. Development of new sources of primary supply are typically subject to long development times and high capital costs, putting further constraints on the supply of these materials. In addition, the majority of primary production is concentrated in high geopolitical risk locations. Each of the primary minerals discussed are traded on a number of global commodity exchanges and market pricing for each is readily available. Additional details on the primary development of the main critical materials are discussed below: Â Lithium: Primary lithium is traditionally extracted from lithium brines or from hard rock deposits, and with recent innovations to also manufacture primary lithium from lithium-bearing claystone resources. Lithium brine deposits are accumulations of saline groundwater that are enriched in dissolved lithium. These deposits can be found in salt flats (such as those in South America), geothermal deposits (such as the Salton Sea in California), and oil fields. Extraction of lithium from brines typically involves large-scale evaporation techniques, thus consuming large amounts of water and energy. Hard rock sources of lithium are typically found in spodumene pegmatite deposits (such as those in Western Australia) and are mined using conventional mining and processing techniques. Extraction of lithium from claystone resources is a relatively new technique with various extraction technologies currently under development. Â 5 Â Â Nickel: Primary nickel is mined from both surface and underground operations. Traditional processing techniques for nickel involve crushing, leaching, and floatation techniques. The primary competing source of demand for nickel is the steel industry, for both steel alloy and in plating of stainless steel. Supply is currently dominated by production from Indonesia, Philippines, and Russia. Â Cobalt: Cobalt is typically mined from open pit and underground operations using traditional mining and processing techniques. The majority of cobalt production is a by-product of copper or nickel production. The competing source of demand for cobalt is steel production where cobalt is utilized as a high-strength steel alloy. Concentration of supply from the Democratic Republic of Congo has given rise to significant environmental, social, and governance (â€œESGâ€) concerns over the supply of primary cobalt resources. Â Manganese: Manganese is typically mined from open pit surface mines using traditional mining and processing techniques. As with the previously mentioned minerals, the primary competing source of demand is steel production, where manganese is used as an alloy and to deoxidize steel. South Africa is the worldâ€™s largest producer of manganese, followed by Australia and China. Â Secondary supply of feedstock, or recycling, is a relatively new market segment that has seen limited investment compared to the other segments of the battery supply chain. Current recycling techniques can be classified into two categories: High temperature thermal processes (pyrometallurgy) and mechanical crushing/simple hydrometallurgy processes. Both techniques process the feedstock batteries into an intermediate compound, a metal matte or black mass, which is then further processed through a refining process to extract the constituent metals. Both processes mainly focus on the recovery of nickel and cobalt. The majority of these operations are located in China and South Korea. Â High temperature thermal processes account for the majority of current recycling operations. Batteries are placed into high-temperature furnaces and melted. A number of the key battery materials are lost in the high temperature processing and smelting phase, including lithium, graphite, and aluminum. The remaining metal matte is then processed through a hydrometallurgical refining process. The high temperature processing can present challenges to refining the metal matte from this process into products that meet the high purity specifications required for battery cathode manufacturing. Further, the process is energy intensive and causes substantial air and water pollution. Â The mechanical crushing/simple hydrometallurgy approach involves placing batteries into large shredding/grinding machines. The resulting shredded material is then processed to produce a black mass. This resulting back mass is then processed through a bulk hydrometallurgical process designed to remove impurities and extract the high-value minerals. The high level of impurities in the black mass resulting from the shredding/grinding process makes the recovery of battery grade materials challenging. Additionally, the solvents used in the extraction process have adverse environmental impacts and significantly increase the costs associated with the recycling process. Â The black mass resulting from the recycling process has become a readily tradable commodity. However, the quality and value of the black mass is highly variable based on the chemistry of the battery that is being processed and the amount of remaining impurities in the material. Metal refiners are developing processes to extract battery-grade materials from the various forms of black mass. The market, and thus pricing, for black mass is still developing. Â The overall market and pricing for battery feedstock materials will be driven by the supply/demand balance of each commodity. Chemical refiners require specific purity and quality standards for the inputs for their manufacturing processes. Competition will be based on the ability of producers, both primary and secondary, to deliver reliable quantities of materials that meet the specifications required in the battery manufacturing process, while maintaining cash costs that are below the marginal cost of supply. Â 6 Â Â Our Business Â Lithium-Ion Battery Recycling Â The Company has developed a universal lithium-ion battery recycling system that is capable of recycling batteries with both a wide range of form factors (packs, modules, cylindrical cells, prismatic cells, pouch cells, defect and intermediate waste cells, metal scraps, slurries, and powders) and of a wide range of cathode chemistries (lithiated cobalt oxide, lithiated nickel-cobalt-aluminum oxide, lithiated nickel-cobalt-manganese oxide, lithiated nickel-cobalt-manganese-aluminum oxide, lithiated nickel-oxide, and lithiated manganese-oxide) of various relative weighting of transition metals. Â The Companyâ€™s recycling system is a two-phase process: an automated de-manufacturing process followed by a targeted chemical extraction train to separate the individual high-value metals. The Company intends to commission each phase in sequence. Phase 1, the automated de-manufacturing process, separates the components of battery feedstock material into its constituent components, including scrap metals and cathode and anode powders in the form of black mass filter cake. Scrap metals are then sold as byproducts under various offtake agreements or into the open scrap market. The black mass filter cake produced in this phase will also be sold under offtake contracts or into the open market. Upon commissioning of Phase 2, the black mass produced in Phase 1 will be fed into a proprietary chemical extraction train to extract lithium, nickel, cobalt, and manganese elemental metals and upgrade them to the battery cathode grade specifications demanded by high energy density cathode manufacturers. The commissioning of Phase 1 occurred in the fourth quarter of fiscal year 2024 and the commissioning of Phase 2 is expected to occur in fiscal year 2025. Â The Company has acquired and leveraged the experience of several members of its leadership and implementation teams who worked on the design, construction, commissioning, and optimization of one of the largest lithium-ion battery manufacturing giga factories in the world. This significant pool of experience has enabled the team to leverage their knowledge of the failure mechanisms that can cause battery components, cells, and modules to fail leading to the development an automated deconstruction process combined with a targeted hydrometallurgical, non-smelting process that deconstructs battery packs to modules, modules to cells, cells to subcell components, and then sorting and separating those subcell components in a strategic fashion. Because of our uniquely pioneered recycling process, we are able to realize greater net benefits than current conventional methods. These benefits include: Â Â â— Decreased air and liquid pollutant emissions through strategic design, and with no high-temperature operations, Â â— Separation of low value materials early in the processing train allows for high recovery and purity of high value products, Â â— Metal products manufactured to meet battery cathode specifications are able to re-enter supply chain in closed-loop fashion, Â â— Throughput of recycling facilities equal to that of manufacturing facilities, on a per region basis, Â â— Low capital costs, through avoidance of high-temperature operations and minimal generation of waste, and Â â— Short processing residence times through high-speed strategic disassembly and material handling. Â Additional details regarding the recycling plant are discussed in Item 2. Properties. Â Industry CollaborationsÂ Â In September 2019, the Company was selected as the sole winner of the battery recycling portion of the Circularity Challenge hosted by BASF, Stanley Black & Decker, and Greentown Labs. BASF is one of the largest high-energy density cathode manufacturing companies in the US and one of the largest global purchasers of lithium-ion battery metal materials. The challenge was developed to encourage new, innovative technologies for the recycling of large-format lithium-ion batteries, with a goal to establish and develop a circular economy in the battery supply chain. Participants were asked to demonstrate their ability to recycle an end-of-life lithium-ion battery into battery grade minerals that could then be used for the manufacture of new lithium-ion batteries. As the winner, the Company received seed funding, access to the Greentown Labs facilities (see Item 2. Properties), and the exploration of partnership agreements with the host companies. The Company and BASF continue to explore several avenues of collaboration to accelerate the commercialization of the Companyâ€™s lithium-ion battery recycling technology. Â In October 2021, the Company, as a co-grantee, received a competitively bid $2 million contract award from the US Advanced Battery Consortium (â€œUSABCâ€). USABC is a subsidiary of the United States Council for Automotive Research LLC and enabled by a cooperative agreement with the U.S. Department of Energy (DOE). The member companies include General Motors, Ford Motor Company, and Stellantis NV. USABCâ€™s mission is to develop electrochemical energy storage technologies that advance commercialization of next generation electrified vehicle applications. The objective of the contract award is for the commercial-scale development and demonstration of an integrated lithium-ion battery recycling system, the production of battery cathode grade metal products, the synthesis of high energy density active cathode material from these recycled battery metals by cathode producer and lithium-ion battery recycler BASF, and the fabrication of large format automotive battery cells from these recycled materials and the testing of these cells against otherwise identical cells made from virgin sourced metals by cell technology developer C4V. The demonstration of the entire closed-loop battery manufacturing supply chain within a single project is meant to foster the establishment of a domestic low-cost and low-environmental impact battery recycling infrastructure. Â Competition Â The Company expects to recover several types of byproducts as well as battery cathode grade lithium, nickel, cobalt, and manganese products through its recycling process and will compete with two categories of producers of these commodities: competing recycling processers and facilities and primary producers of the battery materials. Â Competing recycling processes and facilities are primarily located in the United States, Europe, and China and employ various techniques for extraction of the contained battery metals. In general, processers that employ high-temperature thermal processes or shredding/solvent extraction techniques focus on the recovery of nickel and cobalt, with limited ability to recover lithium, manganese, or other metals. The Companyâ€™s process to extract each of the battery components enables the Company to extract additional value from the same amount of feedstock to enable low-cost and low-environmental operations. Â Primary producers of lithium, nickel, cobalt, and manganese are distributed globally. Lithium production is largely located in the Americas, Australia, and Asia. Approximately two-thirds of cobalt production is sourced from the Democratic Republic of Congo. Nickel production is dominated by Indonesia, China, and Australia. Manganese production is concentrated in South Africa, Australia, and China. Â The commodities and specialty chemicals that are ultimately used by cathode manufacturers are required to meet stringent specifications, whether that mineral is sourced from a primary or a secondary resource. Thus, the competition in these markets will be based on product quality and reliability of supply. Â 7 Â Â Primary Resource Development & Refining Â The Company has been designing and optimizing our internally developed sustainable lithium extraction process for the manufacturing of battery cathode grade lithium hydroxide from Nevada-based sedimentary claystone primary resources. We are currently conducting exploratory drilling programs on over 10,000 acres as part of our Tonopah Flats Lithium Exploration Project. (See Item 2. Properties for additional information). Â The Company is currently conducting geological mapping, sampling, geochemical analysis, and proprietary extraction trials to characterize the resource and to quantify the performance of the lithium extraction and manufacturing operations. In parallel with the current exploration activities, the Company is designing and constructing a multi-ton per day pilot scale facility to process sedimentary resource from the project. This facility is intended to demonstrate the commercial viability of the Companyâ€™s extraction and refining processes. The Company will continue to analyze the economic competitiveness of the project throughout the demonstration phases. Â The Companyâ€™s in-house developed extraction technologies do not require the inefficient evaporation ponds associated with conventional lithium-from-brine mining. Our extraction process utilizes a selective leaching process for the low-cost extraction of lithium from claystone sedimentary resources that allows for significantly lower consumption of acid, lower levels of contaminants in the generated leach liquor, and lower overall costs of production. Â Industry Collaborations Â In October 2021, the Company, as the primary grantee, with DuPont Water Solutions as a sub-grantee, was awarded a $4.5 million competitive grant through the US Department of Energyâ€™s Advanced Manufacturing Office, Critical Materials Innovation program to advance the research, development, and commercialization of its technologies for the mining and manufacturing of battery grade lithium hydroxide from its lithium-bearing claystone deposits. The grant provided partial funding for the development of a multi-tons per day processing facility to implement its lithium refining technology at pilot facility scale which was commissioned in the fourth quarter of fiscal year 2024. Â Competition Â Primary lithium production is concentrated in the Americas, Australia, and Asia. The lithium that is ultimately used by cathode manufacturers is required to meet stringent specifications, whether that mineral is sourced from a primary or a secondary resource. Thus, the competition in these markets will be based on product quality and reliability of supply. Â Employees Â As of September 15, 2024, the Company had 96 full-time and 2 part-time employees. Additional workers may be hired on a contract basis as needed. Â Available Information Â We are subject to the information and periodic reporting requirements of the Securities Exchange Act of 1934, as amended, and, in accordance therewith, we file periodic reports, proxy statements and other information with the Securities and Exchange Commission (the â€œSECâ€). We make available, free of charge, our Annual Report on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K and amendments to these reports on our website at https://americanbatterytechnology.com/ as soon as reasonably practicable after those reports are electronically filed with, or furnished to, the SEC. Â 8 Â Â Item 1A. Risk Factors Â An investment in the Companyâ€™s securities is subject to a number of risks at any given time. Below is a description of the principal risk factors affecting the Company. The risk factors set out below are not exhaustive and unidentified risks may have potential to adversely affect the Companyâ€™s financial condition, operating results, business or future prospects. Investors should carefully consider these risk factors, many of which are beyond the Companyâ€™s control, together with other disclosures and market information before investing in the Companyâ€™s securities. Â Pre-Commercialization Company Risks Â Because we have not yet achieved full commercialization, a company like ours is inherently subject to many risks. These risks and difficulties include (a) significant capital requirements and challenges with respect to obtaining financing until we can achieve full commercialization; (b) accumulated and continuing losses; (c) challenges in accurate financial planning; (d) uncertainties resulting from a relatively limited time period in which to develop and evaluate business strategies as compared to companies with longer operating histories; (e) cost and complexity of compliance with significant regulations in connection with our operations and products; (f) reliance on third parties for consulting, laboratory work, regulatory, commercialization or other activities; (g) reliance on third parties to carry out contractual arrangements; and (h) meeting the challenges of the other risk factors described herein. We are subject to all risks incident to an emerging company. Â Working Capital Risks Â We will need additional financing to execute our business plan and fund operations, which additional financing may not be available on reasonable terms or at all. We will need to raise capital over the next 12 months to satisfy such requirements, the receipt of which cannot be assured. We will also require capital in order to fully develop our recycling, extraction and refining operations. We intend to seek additional funds through various financing sources, including the private sale of our equity and debt securities, potential joint ventures with capital partners, grants, government loans, and project financing of our recycling facilities. However, there can be no guarantees that such funds will be available on commercially reasonable terms, if at all. If such financing is not available on satisfactory terms, we may be unable to further pursue our business plan and we may be unable to continue operations, in which case you may lose your entire investment. Â Risks of Competitive Industry Â Inherent to competitive industries, there are risks the Company may be unable to maintain or acquire financing, seek available opportunities, retain existing personnel or hire new personnel, or maintain or acquire technical or other resources, supplies or equipment, all on terms it considers acceptable to complete the development of its projects. Battery recycling is a highly competitive and speculative business. Competing recycling processes and facilities are primarily located in the United States, Europe, and China and employ various techniques for extraction of the contained battery metals. In seeking available opportunities, we will compete with a number of other companies, including established, multi-national companies that have more experience and resources than we do. There also may be other small companies that are developing similar processes and are farther along than the Company. Because we may not have the financial and managerial resources to compete with other companies, we may not be successful in our efforts to develop technology which is commercially viable. Â Business Model Risks Â We intend to engage in the business of lithium recycling through proprietary recycling technology. While the production of lithium-ion recycling is an established business, to date most lithium-ion recycling has been produced by way of performing bulk high temperature calcinations or bulk acid dissolutions. We have developed a highly strategic recycling processing train that does not employ any high temperature operations or any bulk chemical treatments of the full battery. We have tested our recycling process on a small scale and to a limited degree; however, there can be no assurance that we will be able to produce battery metals in commercial quantities at a cost of production that will provide us with an adequate profit margin. The uniqueness of our process presents potential risks associated with the development of a business model that is untried and unproven as we undertake the build-out and operation of a large-scale facility capable of recycling commercial quantities. There can be no assurance that as we commence large scale manufacturing or operations that we will not incur unexpected costs or hurdles that might restrict the desired scale of our intended operations or negatively impact our projected gross profit margin. Â 9 Â Â Share Price Risks Â The market price of the stock of a publicly traded company is affected by a number of variables, many of which are outside the Companyâ€™s control. Such factors include: the general condition of markets for resource stocks, and particularly for stocks of lithium exploration and development companies and other battery-metals stocks; the general strength of the economy; the availability and attractiveness of alternative investments; analystsâ€™ recommendations and their estimates of financial performance; investor perception and reactions to disclosures made by the Company, and by the Companyâ€™s competitors; future securities sales; reputational risks of the Company; and the breadth of the public markets for the stock. Investors could suffer significant losses if the Companyâ€™s common stock is depressed or illiquid when an investor seeks liquidity. Â Market Risks Â The Company is exposed to commodity price movements for the inventory it holds and the products it plans to produce. Commodity price risk management activities are currently limited to monitoring market prices. The Companyâ€™s future revenues, if any, are sensitive to the market prices of the metals contained in its planned products. Â The Companyâ€™s projects are highly dependent on the demand for and uses of lithium-based end products. This includes lithium-ion batteries for electric vehicles and other large format batteries that currently have limited market share and whose projected adoption rates are not assured. To the extent that such markets do not develop in the manner contemplated by the Company, then the long-term growth in the market for lithium products will be adversely affected. This would inhibit the potential for development of the projects, their potential commercial viability and would otherwise have a negative effect on the business and financial condition of the Company. In addition, as a commodity, lithium market demand is subject to the substitution effect in which end-users adopt an alternate commodity as a response to supply constraints or increases in market pricing. These circumstances could limit the quantity of customers and prices paid for our products. To the extent that these factors arise in the market for lithium, it could have a negative impact on overall prospects for growth of the lithium market and pricing, which in turn could have a negative effect on the Company and its projects. Â Product Price and Quality Risks Â The ability to reach and sustain profitable operations on the recycling and extraction projects, if and to the extent the projects are developed and enter full commercial operation, will be significantly affected by changes in the market price of lithium-based end products. The market price of these products fluctuates widely and is affected by numerous factors beyond the Companyâ€™s control, including world supply and demand, pricing characteristics for alternate energy sources such as oil and gas, government policy and laws, interest rates, the rate of inflation and the stability of currency exchange rates, and other geopolitical and global economic factors. Such external economic factors are influenced by changes in international investment patterns, various political developments and macro-economic circumstances. Furthermore, the price of lithium products is significantly affected by their purity and performance, and by the specifications of end-user battery manufacturers. If the products produced from the Companyâ€™s projects do not meet battery-grade quality and/or do not meet customer specifications, pricing will be reduced from that expected for battery-grade product. In turn, the company may lose or fail to attract customers. The Company may not be able to effectively mitigate pricing risks for its products. Depressed pricing for the Companyâ€™s products will affect the level of revenues expected to be generated by the Company, which in turn could affect the value of the Company, its share price and the potential value of its properties. Â Project and Process Risks Â The processes contemplated by the Company for refining of extracted materials and refining of recycled materials have not previously been demonstrated at commercial scale. There are risks that efficiencies of recovery and throughput capacity will not be met, and risks that scaled production will not be cost effective or operate as expected. In addition, there is potential for unforeseen costs, additional changes to the process chemistry and engineering, and other unforeseen circumstances that could result in delays to the projects or increased capital or operating costs. Â 10 Â Â The Company is in the process of exploring and assessing a mineral resource in Tonopah, Nevada, with the intent of progressing the project to mining and processing activities. The Company has no prior history of completing the development of a mining project or conducting mining operations. If found to be economically feasible, the future development of mineral resources will require the construction and operation of a mine, processing plant and related infrastructure. While certain members of management have mining development and operational experience, the Company does not have any such experience as a collective organization. As a result of these factors, the Companyâ€™s future success is more uncertain than if it had a proven operating history. Â If the Tonopah project advances, the Company is and will continue to be subject to all risks inherent with establishing new mining operations including: the time and costs of construction of mining and processing facilities and related infrastructure; the availability and costs of skilled labor and mining equipment and supplies; the need to obtain necessary environmental and other governmental approvals, licenses and permits, and the timing of the receipt of those approvals, licenses and permits; the availability of funds to finance construction and development activities; potential opposition from non-governmental organizations, indigenous peoples, environmental groups or local groups which may delay or prevent development activities; and potential increases in construction and operating costs due to various factors, including changes in the costs of fuel, power, labor, contractors, materials, supplies and equipment. Â It is common in new mining operations to experience unexpected costs, problems and delays during construction, commissioning and mine start-up, as well as delays in the early stages of mineral production. Â The Company is concurrently overseeing the advancement of our major lithium projects. Work to advance these projects requires the dedication of considerable time and resources by the Company and its management team. The advancement of the projects concurrently brings with it the associated risk of strains on managerial, human and other resources. The Companyâ€™s ability to successfully manage each of these processes will depend on a number of factors, including its ability to manage competing demands on time and other resources, financial or otherwise, and successfully retain personnel and recruit new personnel to support its growth and the advancement of its projects. Â Risks Relating to the U.S. DOE Grant Programs Â The DOEâ€™s invitation to enter into confirmatory due diligence and term sheet negotiations is not an assurance that DOE will offer a term sheet to the applicant, or that the terms and conditions of any term sheet will be consistent with the terms proposed by the applicant. The outcome of the Companyâ€™s application to the DOE for funding is wholly dependent on the results of DOE advanced due diligence and DOEâ€™s determination whether to proceed, and there can be no assurances as to the outcome of such due diligence review, whether the DOE will determine to proceed and as to the terms and conditions of any term sheet that may be offered, if any. Â Permitting Risks Â Our operations in the United States are subject to the federal, state and local environmental, health and safety laws applicable to the reclamation of lithium-ion batteries and exploration for, and the development and operation of, mineral properties. Depending on how any particular operation is structured, our operations and related facilities will have to obtain environmental permits or approvals to operate, including those associated with, among other things, air emissions, water discharges, waste management and storage, and exploration and development of mineral properties on federal lands and related processing facilities. We may face opposition from local residents or public interest groups to the installation and operation of our facilities. Failure to secure (or significant delays in securing) the necessary approvals could prevent us from pursuing some of our planned operations and adversely affect our business, financial results and growth prospects. Additionally, there can be no certainty that current permits will be maintained, permitting changes will be approved, estimated permitting timelines will be met, estimated costs will be accurate, or additional or approvals required to carry out recycling, extraction and refining will be obtained. There is the risk that existing permits will be subject to challenges of regulatory administrative processes and similar litigation and appeal processes. Litigation and regulatory review processes can result in lengthy delays, with uncertain outcomes. Such issues could impact the expected timelines of the Companyâ€™s projects and consequently have a material adverse effect on the Companyâ€™s prospects and business. Â 11 Â Â Geopolitical Risks Â In recent years there has been a substantial increase in political tensions, which is particularly acute in respect to lithium. Lithium has been identified as a â€˜critical mineralâ€™ in multiple jurisdictions and is the subject of increasingly active industrial policy. The Company does not believe this will result in a substantive adverse change to its business or operations. However, the Company does expect that over time it may limit our ability to undertake business opportunities with actors from non-Western countries. Â Cost Estimate Risks Â Capital costs, operating costs, raw materials costs, production and other estimates may differ significantly from those anticipated by the Companyâ€™s current estimates, and there can be no assurance that the Companyâ€™s actual costs will not be higher than currently anticipated. The Companyâ€™s actual costs and production may vary from estimates for a variety of reasons, including, but not limited to: lack of or availability of raw materials, resources or necessary supplies or equipment; inflationary pressures flowing from global supply chain shortages and increased transportation costs, which in turn are causing increased costs for supplies and equipment; increasing labor and personnel costs; unexpected construction or operating problems; higher than expected cost of commodities or feedstock; lower than expected realized lithium prices; revisions to construction plans; risks and hazards associated with exploration or mineral production; natural phenomena; floods; unexpected labor shortages or strikes; and general inflationary pressures. Many of these factors are beyond the Companyâ€™s control and could have a material effect on the Companyâ€™s operating cash flow, including the Companyâ€™s ability to service its indebtedness. Â Operating Risks Â The Companyâ€™s operations are subject to all the hazards and risks normally incidental to the exploration for, and the development and operation of, mineral properties. The Company strives to implement comprehensive health and safety measures designed to comply with government regulations and protect the health and safety of the Companyâ€™s workforce in all areas of its business. The Company also strives to comply with environmental regulations in its operations. Nonetheless, risks associated with the Companyâ€™s planned operations include fires, power outages, shutdowns due to equipment breakdown or failure, aging of equipment or facilities, unexpected maintenance and replacement expenditures, human error, labor disruptions or disputes, inclement weather, higher than forecast precipitation, flooding, shortages of water, explosions, releases of hazardous materials, landslides, earthquakes, industrial accidents and explosions, protests and other security issues, and the inability to obtain adequate machinery, equipment or labor due to shortages, strikes or public health issues such as pandemics. Â Risk of Hazardous Substances Â We may be held responsible for the costs of remediating contamination at the site of current or former activities or at third party sites or be held liable to third parties for exposure to hazardous substances should those be identified in the future. Under the U.S. Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (â€œCERCLAâ€) and its state law equivalents, current or former owners of properties may be held jointly and severally liable for the costs of site cleanup or required to undertake, remedial actions in response to unpermitted releases of hazardous substances at such property, in addition to, among other potential consequences, liability to governmental entities for the cost of damages to natural resources, which may be significant. Â 12 Â Â Costs and Requirements of Being a Public Company Â As a public reporting company, we are subject to the information and reporting requirements of the Securities Exchange Act of 1934, as amended, and other federal securities laws, rules and regulations. Complying with these laws and regulations requires more time and attention of our Board of Directors and management and requires additional employees compared to a privately-held company. In addition, the costs of preparing and filing annual and quarterly reports, proxy statements and other information with the SEC, furnishing audited reports to stockholders, maintaining more comprehensive compliance functions, policies and procedures, and corporate governance, are greater than that of a privately-held company. Â Risk of Fraud, Misconduct, or Non-Compliance with Anti-Corruption Laws Â We may be exposed to fraud, non-compliance with anti-corruption laws, or other misconduct committed by our employees, potential joint venture partners, representatives, agents, vendors, customers or other third parties undertaking actions on our behalf that could subject us to litigation, financial losses and fines or penalties imposed by governmental authorities and affect our reputation. Â Such misconduct could include, but is not limited to, misappropriating funds, engaging in misrepresentation or fraudulent, deceptive or otherwise improper activities, including activities in exchange for personal benefit or gain or activities that otherwise do not comply with applicable laws or our internal policies and procedures. The risk of fraud or other misconduct could increase as we expand our business. Â Risk of Failure to Meet Development Timelines and Capital Estimates Â Our required capital expenditures can be complex and challenging to predict, may experience delays or other difficulties, and the costs may exceed our estimates. Â Our capital expenditures primarily consist of substantial investments in new or used equipment, facilities and properties, as well as expenditures to maintain and improve existing equipment, facilities and properties. Execution of these capital expenditures can be complex, and commencement of production requires start-up, commission and certification of product quality by our customers, which may impact the expected output and timing of sales of product from such facilities. Construction of large operations is subject to numerous risks and uncertainties, including, among others, the ability to complete a project on a timely basis and in accordance with the estimated budget for such project and our ability to estimate future demand for our products. In addition, our returns on these capital expenditures may not meet our expectations. Future capital expenditures may be significantly higher, depending on the investment requirements of each of our business lines, and may also vary substantially if we are required to undertake actions to compete with new technologies in our industry. We may not have the capital necessary to undertake these capital investments. If we are unable to do so, we may not be able to effectively compete in some of our markets. Â Risk of Failure to Comply with Covenants Â The Company has contractual arrangements that contain affirmative and negative covenants that must be adhered to. It is possible that the Company could fail to meet the requirements of one or more covenants, resulting in penalties or acceleration of amounts due. No assurance can be given that a breach will not occur. This could result in a default under our credit agreements that would permit the applicable lenders to declare all amounts outstanding thereunder to be due and payable, together with accrued and unpaid interest. If we are unable to repay our debt, creditors would have the right to proceed against the collateral securing the debt. This in turn could have a material adverse effect on the Companyâ€™s business and operations. Â Going Concern Risk Â The continuation of the Company as a going concern is dependent upon generating profit from its operations and its ability to obtain debt or equity financing to meet expected cash requirements. There is no assurance that the Company will be able to generate sufficient profits, obtain such financings, or obtain them on favorable terms, which could limit its operations. Any such financing activities are subject to market conditions. Â These uncertainties cause substantial doubt about the Companyâ€™s ability to continue as a going concern for 12 months from issuance of these financial statements. In their report on our financial statements included in this Form 10-K, our independent auditors have expressed substantial doubt about our ability to continue as a going concern. Â 13 Â Â Risks from Changing Regulations and Laws Â Changes to government laws and regulations may affect the development of the Companyâ€™s projects. Such changes could include laws relating to grant funds availability, taxation, royalties, restrictions on production, environmental, biodiversity and ecological compliance, mine development and operations, mine safety, permitting and numerous other aspects of the business. Â Environmental Risks and Regulations Â The Company must comply with stringent environmental regulations. These are evolving in a manner that is expected to require stricter standards and enforcement, increased fines and penalties for non-compliance, more stringent environmental assessments of proposed projects and a heightened degree of responsibility for companies and their officers, directors and employees. Applicable environmental laws and regulations may require enhanced public disclosure and consultation. It is possible that a legal protest could be triggered through one of these requirements or processes that could delay development activities. No assurance can be given that new environmental laws and regulations will not be enacted or that existing environmental laws and regulations will not be applied in a manner that could limit or curtail the Companyâ€™s development programs. Such changes in environmental laws and regulations and associated regulatory requirements could delay and/or increase project costs or increase the risk of environmental liability associated with project operations. This in turn could have a material adverse effect on the Companyâ€™s business and operations. Â Insurance Risks Â While the Company maintains insurance to protect against certain risks associated with its business, insurance may not be available to insure against all risks, or the costs of such insurance may be uneconomic. The Company may also elect not to obtain insurance for other reasons. Insurance policies maintained by the Company may not be adequate to cover the full costs of actual liabilities incurred by the Company or may not be continued by insurers for reasons not solely within the Companyâ€™s control. The Company maintains liability insurance in accordance with industry standards. However, losses from uninsured and underinsured liabilities have the potential to materially affect the Companyâ€™s financial position and prospects. Â Health and Safety Risks Â The Company carries a risk of liability related to workersâ€™ health and safety. Compliance with health and safety laws, and any changes to such laws, and the requirements of applicable permits and other regulatory requirements remains material to the Companyâ€™s business. The Company may become subject to government orders, investigations, inquiries or other proceedings (including civil claims) relating to health and safety matters. The occurrence of any of these events or any changes, additions to or more rigorous enforcement of health and safety laws, permits or other approvals could have a significant impact on operations and result in additional costs or penalties. In turn, these could have a material adverse effect on the Companyâ€™s reputation, operations and future prospects. Â Risk of Catastrophic Events, Terrorism and War Â The occurrence or threat of extraordinary events, including domestic and international terrorist attacks, may disrupt our operations and decrease demand for our products. Certain assets may be at greater risk of future terrorist attacks than other possible targets in the United States and around the world. Extraordinary events cannot be predicted, and their occurrence may negatively affect the economy in general, and the markets for our products in particular. The resulting damage from a direct attack on our assets, or assets used by us, could include loss of life and property damage. In addition, available insurance coverage may not be sufficient to cover all the damage incurred or, if available, may be prohibitively expensive. Â Risk of Accounting Estimates and Impairment Charges Â We make certain accounting estimates and projections in connection with our impairment analysis for long-lived assets in accordance with applicable accounting guidance. An impairment charge may be required if the impairment analysis indicates that the carrying value of an asset exceeds the sum of the expected undiscounted cash flows of the asset. The projection of future cash flows used in this analysis requires the use of judgment and a number of estimates and projections of future operating results. If actual results differ from Company estimates, additional charges for asset impairments may be required in the future. If impairment charges are significant, our financial results could be negatively affected. Â 14 Â Â Mineral Resource and Mineral Reserve Estimation Risks Â Mineral Resources and Mineral Reserves figures are estimates only. Estimated tonnages and grades may not be achieved if the projects are brought into production; differences in grades and tonnage could be material; and, estimated levels of recovery may not be realized. The estimation of Mineral Resources and Mineral Reserves carries with it many inherent uncertainties, of which many are outside the control of the Company. Estimation is by its very nature a subjective process, which is based on the quality and quantity of available data, engineering assumptions, geological interpretation and judgements used in the engineering and estimation processes. Estimates may also need to be revised based on changes to underlying assumptions, such as commodity prices, drilling results, metallurgical testing, production, and changes to mine plans of operation. Any material decreases in estimates of Mineral Resources or Mineral Reserves, or an inability to extract Mineral Reserves could have a material adverse effect on the Company, its business, results of operations and financial position. Â Any estimates of Inferred Mineral Resources are also subject to a high degree of uncertainty and may require a significant amount of exploration work to determine if they can be upgraded to a higher confidence category. Risks associated with upgrading the Tonopah project to a higher confidence category include the accuracy of fault modeling and offset of lithium-hosting lithologies on western-side of mineral resource, the lack of project-specific lithologic density data, the accuracy of processing cost used in the pit optimization to define the resource which can potentially affect resource cut-off grades, and the large fluctuations in commodity prices which can potentially affect resource cut-off grades. Â Exploration Stage Company Risks Â We cannot assure you about the existence of economically extractable mineralization at this time, nor about the quantity or grade of any mineralization we may have found. Because the probability of an individual prospect ever having reserves is uncertain, our properties may not contain any reserves and any funds spent on evaluation and exploration may be lost. Even if we confirm reserves on our properties, any quantity or grade of reserves we indicate must be considered as estimates only until such reserves are mined. We do not know with certainty that economically recoverable minerals exist on our properties. In addition, the quantity of any reserves may vary depending on commodity prices. Any material change in the quantity or grade of reserves may affect the economic viability of our properties. Further, our lack of established reserves means that we are uncertain about our ability to generate revenue from our operations. Â Even if we do eventually discover a mineral reserve on one or more of our properties, there can be no assurance that they can be developed into producing mines and that we can extract those minerals. Both mineral exploration and development involve a high degree of risk, and few mineral properties that are explored are ultimately developed into producing mines. Â Water Management Risks Â Water management regulations are in place in Nevada where the Companyâ€™s projects are located. As such, the Company must obtain sufficient water rights and transfer those rights such that they may be used for planned recycling and extraction projects. The Companyâ€™s flowsheets are designed and/or being designed to lower the use of water to the extent possible by incorporating recycling technologies. The availability of water and pricing of water rights are risks that may be heightened by the potential effects of climate change and could have a material adverse effect on the Companyâ€™s business. Â Climate Change Risks Â The introduction of climate change legislation is an increasing focus of various levels of government worldwide. The Company is committed to developing its business with a view to contributing to the low carbon economy. This includes incorporating sustainable energy sources and minimizing the use of non-renewable sources of energy to the extent that renewable sources are available with sufficient capacity, at cost effective pricing and that are complementary to the facilities and site design. However, the use of such low carbon technologies may be more costly in certain instances than non-renewable options in the near-term, or may result in higher design costs, long-term maintenance costs or replacement costs. Additionally, if the trend toward increasing regulations continues, the Company may face increasing operating costs at its projects to comply with these changing regulations. Until then, the Company views the risk of occurrence of such litigation as being low. Â Risk of Future Losses and Lack of Profitability Â The Company anticipates it will continue to have negative cash flow from operating activities in future periods until profitable commercial production is achieved. Although the Company has cash on hand and access to additional cash, the Companyâ€™s ability to continue as a going concern will be dependent upon its ability to generate profits from its proposed operations, or to raise capital through equity or debt financing to continue to meet its obligations and repay its liabilities arising from normal business operations when they come due. Â 15 Â Â Intellectual Property Risks Â The Company relies on the ability to protect its intellectual property rights and depends on patent, trademark and trade secret legislation to protect its proprietary know-how. There is no assurance that the Company has adequately protected or will be able to adequately protect its valuable intellectual property rights or will at all times have access to all intellectual property rights that are required to conduct its business or pursue its strategies, or that the Company will be able to adequately protect itself against any intellectual property infringement claims. There is also a risk that the Companyâ€™s competitors could independently develop similar technology, processes or know-how; that the Companyâ€™s trade secrets could be revealed to third parties; that any current or future patents, pending or granted, will be broad enough to protect the Companyâ€™s intellectual property rights; or, that foreign intellectual property laws will adequately protect such rights. The inability to protect the Companyâ€™s intellectual property could have a material adverse effect on the Companyâ€™s business, results of operations and financial condition. Additionally, the applied science industry is characterized by frequent allegations of intellectual property infringement. Though we do not expect to be subject to any of these allegations, any allegation of infringement could be time consuming and expensive to defend or resolve, result in substantial diversion of management resources, cause suspension of operations or force us to enter into royalty, license, or other agreement, rather than dispute the merits of such allegation. If patent holders or other holders of intellectual property initiate legal proceedings, we may be forced into protracted and costly litigation. We may not be successful in defending such litigation and may not be able to procure any required royalty or license agreements on acceptable terms or at all. Â Risk of Defects in Title Â We have investigated our rights to the assets we have purchased and developed, and, to the best of our knowledge, those rights are in good standing. However, no assurance can be given that such rights will not be revoked, or significantly altered, to our detriment. There can also be no assurance that our rights will not be challenged or impugned by third parties, including by governments and non-governmental organizations. Â Risks Related to Research, and Development, and Changing Technology Â Our research and development efforts may not succeed in addressing changes in our customersâ€™ needs, and our competitors may develop more effective or successful products. The development and adoption of new battery technologies could rely on inputs other than lithium compounds which could significantly impact our prospects and future revenues. Â Current and next generation high energy density batteries for use in electric vehicles rely on lithium compounds as a critical input. The pace of advances in current battery technologies, the development and adoption of new battery technologies that rely on inputs other than lithium compounds, or a delay in the development and adoption of next generation high nickel battery technologies that utilize lithium hydroxide could significantly impact our prospects and future revenues. Many materials and technologies are being researched and developed with the goal of making batteries lighter, more efficient, faster charging and less expensive. Some of these could be less reliant on lithium hydroxide or other lithium compounds, especially if the demand for batteries for use in electric vehicles outstrips the available supply of lithium hydroxide or other lithium compounds. We cannot predict which new technologies may ultimately prove to be commercially viable and their share in the overall mix over any time horizon. Commercialized battery technologies that use less lithium compounds could materially and adversely impact our prospects and future revenues. Â Joint Venture, Acquisition and Strategic Alliance Risks Â Our business strategy includes, in part, entering into potential joint ventures, acquisitions, and strategic alliances with parties involved in the manufacture and recycling of lithium-ion products. Failure to successfully identify or integrate such potential joint ventures, acquisitions or strategic alliances into our operations could adversely affect our business. Joint ventures, acquisitions and strategic alliances may involve significant other risks and uncertainties, including distraction of managementâ€™s attention away from normal business operations, insufficient revenue generation to offset liabilities assumed and expenses associated with the transaction, and unidentified issues not discovered in our due diligence process, such as product quality, technology issues and legal contingencies. In addition, we may be unable to effectively integrate any such initiatives into our operations. Our operating results could be adversely affected by any problems arising during or from such activity. Â Risks of Relying on Consultants Â The Company has relied on, and may continue to rely on, consultants and others for mineral exploration and exploitation expertise. The Company believes that those consultants are competent and that they have carried out their work in accordance with internationally recognized industry standards. However, if the work conducted by those consultants is ultimately found to be incorrect or inadequate in any material respect, the Company may experience delays or increased costs in developing its properties. Â 16 Â Â Risk of No Dividends Â The Company has not paid dividends on its Common Shares since incorporation, and currently has no ability to generate earnings as it is pre-revenue. The Company anticipates that it will retain its earnings and other cash resources for future operations and the ongoing development of its business. As such, the Company does not intend to declare or pay any cash dividends in the foreseeable future. Payment of any future dividends is solely at the discretion of the Board, which will take into account many factors including the Companyâ€™s operating results, financial condition and anticipated cash needs. Â Information Technology and Cybersecurity Risks Â Threats to information technology systems associated with cybersecurity risks and cyber incidents or attacks continue to grow and evolve in terms of severity and sophistication, particularly with the increase in remote work that began during the COVID-19 pandemic. A cybersecurity attack has the potential to compromise the business, financial and other systems of the Company, and could go unnoticed for some time. Risks associated with cybersecurity threats include, among other things, loss of intellectual property, disruption of business operations and safety procedures, loss or damage to worksite data delivery systems, privacy and confidentiality breaches, and increased costs and time to prevent, respond to or mitigate cybersecurity incidents. The Company has implemented a cybersecurity policy and provided training to its personnel as mitigation measures. System and network maintenance, upgrades and similar best practices are also followed. However, despite these measures, the occurrence of a significant cybersecurity incident could have a material adverse effect on the Companyâ€™s business and result in a prolonged disruption to it. Â Talent Risk Â The Company highly values the contributions of its key personnel. The success of the Company continues to depend largely upon the performance of key officers, employees and consultants who have advanced the Company to its current stage of development and contributed to its potential for future growth. The market for qualified talent has become increasingly competitive, with shortages of qualified talent relative to the number of available opportunities being experienced in all markets where the Company conducts its operations. The ability to remain competitive by offering higher compensation packages and programs for growth and development of personnel, with a view to retaining existing talent and attracting new talent, has become increasingly important to the Company and its operations in the current climate. Any prolonged inability to retain key individuals, or to attract and retain new talent as the Company grows, could have a material adverse effect upon the Companyâ€™s growth potential and prospects. Â Additionally, the Company has not purchased any â€œkey-manâ€ insurance for any of its directors, officers or key employees and currently has no plans to do so. Â Implementation of Business Plan Risks Â Our ability to successfully implement our business plan requires an effective planning and management process. If funding is available, we may elect to increase the scope of our operations and acquire complementary businesses. Implementing our business plan will require significant additional funding and resources. If we grow our operations, we will need to hire additional employees and make significant capital investments. If we grow our operations, it will place a significant strain on our existing management and resources. Additionally, we will need to improve our financial and managerial controls and reporting systems and procedures, and we will need to expand, train and manage our workforce. Any failure to manage any of the foregoing areas efficiently and effectively would cause our business to suffer. Â 17 Â Â Risk of Failure of Internal Control Over Financial Reporting Â Our reporting obligations as a public company place a significant strain on our management, operational and financial resources and systems. Because we failed to maintain an effective system of internal control over financial reporting, we could experience delays or inaccuracies in our reporting of financial information, or non-compliance with the SEC, reporting and other regulatory requirements. This could subject us to regulatory scrutiny and result in a loss of public confidence in our management, which could, among other things, cause our stock price to drop. Â Risks of Legal Proceedings Â The Company may be subject to a variety of regulatory requirements, and resulting investigations, claims, lawsuits and other proceedings in the ordinary course of its business, as a result of its status as a publicly traded company and because of its mining exploration and development business. Litigation related to environmental and climate change-related matters, ESG disclosure, and securities class actions arising from share price volatility is also on the rise. The occurrence and outcome of any legal proceedings cannot be predicted with any reasonable degree of certainty due to the inherently uncertain nature of litigation, including the effects of discovery of new evidence or advancement of new legal theories, the difficulty of predicting decisions of judges and juries and the possibility that decisions may be reversed on appeal. Defense and settlement costs of legal claims can be substantial, even with respect to claims that are determined to have little or no merit. Â Litigation may be costly and time-consuming and can divert the attention of management and key personnel away from day-to-day business operations. The Company and its projects are, from time to time, subject to legal proceedings or the threat of legal proceedings. If the Company were to be unsuccessful in defending any such claims against it, or unable to settle claims on a satisfactory basis, the Company may be faced with significant monetary damages, injunctive relief or other negative impacts that could have a material adverse effect on the Companyâ€™s business and financial condition. To the extent the Company is involved in any active litigation, the outcome of such matters may not be determinable, and it may not be possible to accurately predict the outcome or quantum of any such proceedings at a given time. Â Changes to Tax Laws and Other Tax Risks Â Changes to U.S. tax laws could adversely affect the Company or holders of the Common Shares. In recent years, many changes to U.S. federal income tax laws have been proposed and made, and additional changes to U.S. federal income tax laws are likely to continue to occur in the future. Â We are subject to review and audit by U.S. federal, state, local tax authorities. Tax authorities may disagree with or challenge tax positions we take, which if successful could harm our business. We may be subject to additional tax liabilities due to changes in non-income based taxes resulting from changes in federal, state or local tax laws, changes in taxing jurisdictionsâ€™ administrative interpretations, decisions, policies, and positions, results of tax examinations, settlements, or judicial decisions, changes in accounting principles, changes to our business operations, including acquisitions, as well as the evaluation of new information that results in a change to a tax position taken in a prior period. In the future, the company may also be subject to foreign jurisdictions where tax law changes may pose a similar risk. Â Item 1B. Unresolved Staff Comments Â Not required. Â Item 1C. Cybersecurity Â Risk Management and Strategy Â We have processes in place for assessing, identifying, and managing material risks from cybersecurity threats, including potential unauthorized occurrences on or through both, our physical systems and electronic information systems, that could adversely affect the confidentiality, integrity, or availability of our information systems or the information residing on those systems. These include a wide variety of mechanisms, controls, technologies, methods, systems, and other processes that are designed to prevent, detect, or mitigate data loss, theft, misuse, unauthorized access, or other security incidents or vulnerabilities affecting the data. The data include confidential, proprietary, and business and personal information that we collect, process and store as part of our business, including on behalf of third parties. Additionally, we use processes to oversee and identify material risks from cybersecurity threats associated with our use of third-party technology and systems, including: technology and systems we use for encryption and authentication; employee email; content delivery to customers; back-office support; and other functions. Â As part of our risk management process, we conduct application security assessments, vulnerability management, and ongoing risk assessments. We also maintain a variety of incident response plans that are utilized when incidents are detected. We are implementing a plan to require employees with access to information systems, including all corporate employees, to undertake data protection and cybersecurity training and compliance programs at least annually. Â Governance Â We have a unified and centrally-coordinated team, led by our Chief Financial Officer, that is responsible for implementing and maintaining centralized cybersecurity and data protection practices at the Company in close coordination with senior leadership and other teams across the Company. In addition, we also engage assessors, consultants, auditors, or other third parties to assist with assessing, identifying and managing cybersecurity risks. Â Our cybersecurity risks and associated mitigations are evaluated by senior leadership, including as part of our risk assessments that are reviewed by the board of directors. Â The board of directors oversees our policies and procedures for protecting our cybersecurity infrastructure and for compliance with applicable data protection and security regulations and related risks. They also oversee the response to any significant cybersecurity incidents. Our Chief Financial Officer, who has extensive cybersecurity knowledge and skills, heads the team responsible for implementing and maintaining cybersecurity and data protection practices at the Company and reports directly to the Chief Executive Officer. Â We describe cybersecurity risks have or that are reasonably likely to affect our Company under the heading â€œInformation Technology and Cybersecurity Risksâ€ included as part of our Item 1A. Risk Factors of this Annual Report on Form 10-K, which disclosures are incorporated by reference herein. Â Item 2. Properties Â The Company is engaged in the construction of a recycling plant to recycle end-of-life lithium-ion batteries and in the exploration of its lithium-bearing claystone unpatented mining claims. To do so, the Company owns or holds long-term leases on multiple properties, all located within the United States, along with leases on laboratory facilities that support our research and development functions. In addition, the Company holds rights to certain assets, which facilitate the effective use of our properties. We believe that all of our properties and facilities are well maintained, effectively used, and are adequate to operate our business. Information regarding significant properties operated by us is outlined below. Â 18 Â Â Corporate Headquarters Â The Company currently leases executive offices located at 100 Washington Street, Suite 100 in Reno, Nevada, USA. The office space consists of approximately 5,831 square feet and the lease expires November 30, 2024. The Company is currently in negotiations to an extension or renewal. Â Recycling Operations Â McCarran, Nevada Â The Company closed on the purchase of the recycling facility in August 2023, and in tandem, the Company has developed new facility and technology-specific environmental, safety, operational standards and procedures, and is in the process of recruiting, hiring, and training of new staff in preparation for operations. Â This facility is in the Tahoe-Reno Industrial Center, located at 2500 Peru Drive, McCarran, Nevada, and was previously utilized for the recycling of lead-acid batteries, and was already equipped with much of the infrastructure and utility equipment necessary to implement the Companyâ€™s recycling processes, including the electrical distribution, HVAC, compressed air, water treatment, material handling, analytical quality control, and operational control rooms. Â The facility houses the Companyâ€™s first-of-kind integrated battery recycling system which utilizes a strategic de-manufacturing and targeted chemical extraction train in order to recover battery materials with high yields, low cost, and with a low environmental footprint. These processes are fundamentally different than conventional methods of battery recycling, which utilize high temperature furnaces, such as smelting, or non-strategic shredding or grinding systems. The Companyâ€™s system results in battery metals separation, recovery and purification of high-value, battery-grade products with less environmental impact and greater potential cost efficiencies than conventional methods. Â As the Company ramps up operations of its integrated recycling processes, the facility will be commissioned in phases. In the first phase, which was commissioned in the fourth quarter of fiscal 2024, battery materials are recycled into products including copper, aluminum, steel, a lithium intermediate, and a black mass intermediate material. In the second phase, expected to be commissioned in fiscal year 2025, this lithium intermediate will be further refined into a battery grade lithium hydroxide product, and the black mass intermediate material will be further refined into battery grade nickel, cobalt, manganese, and lithium hydroxide products. Â Fernley, Nevada (held-for-sale) Â On August 14, 2020, the Company purchased approximately 12.44 acres of undeveloped industrial land in Fernley, Nevada in a Qualified Opportunity Zone (QOZ). The Company began construction before prioritizing the new location in McCarran, Nevada. During the quarter ended June 30, 2024, Management and the Board of Directors approved a plan to sell the Fernley facility and the Company has classified the facility and land as held for sale. See Note 7 of the consolidated financial statements for further details. Â Feedstock Storage â€“ Fernley, Nevada (held-for-sale) Â On July 23, 2021, the Company purchased 11.55 acres of industrial-zoned land in Fernley, Nevada. The Company intended to construct a supplemental storage facility for recycled battery feedstock on this site. The City of Fernley has approved the City Use Permit for the site. During the quarter ended June 30, 2024, Management and the Board of Directors approved a plan to sell the land and the Company has classified the facility as held for sale. See Note 7 of the consolidated financial statements for further details. Â Land for Supplemental Storage â€“ McCarran, Nevada Â On June 28, 2021, the Company purchased approximately 13.87 acres of industrial-zoned land in McCarran, Nevada. The Company intends to construct a supplemental storage facility to store feedstock on this site. Â 19 Â Â Water Rights Â To date, the Company has purchased water rights in the City of Fernley, Nevada for $3.8 million. The Company allocated approximately $0.1 million of water rights to the Companyâ€™s Fernley plant which is now classified as held-for-sale. The remaining water rights are intangible assets the Company can use in the future or make available for sale. These water rights have an indefinite life and are recorded within intangible assets on the consolidated balance sheet. See Note 9 of the consolidated financial statements for further details. Â Laboratory Facilities Â To support the development of both its lithium-ion battery recycling and battery metal extraction technologies, the Company operates out of two laboratory facilities: The Center for Applied Research at the University of Nevada, Reno in Reno, Nevada and Greentown Labs in Somerville, Massachusetts. The Company has developed long-standing partnerships with the operators of these facilities and all leases are in good standing. Â Nevada Center for Applied Research - Reno, Nevada Â The Company leases laboratory and office space from the University of Nevada, Reno. As of June 30, 2024, the Company occupies five laboratories totaling over 3,000 square feet. All laboratories and offices are housed within the Nevada Center for Applied Research (NCAR). The laboratory space is used to advance the Companyâ€™s in-house, first-of-kind developed battery metals extraction technologies for both the recycling of spent batteries and for the manufacturing of primary battery metals from domestic-based resources. Â Greentown Labs - Somerville, Massachusetts Â The Company occupies office and wet chemistry laboratory space in Greentown Labs, which is the largest clean technology incubator in North America. The Company has access to both desk and lab space at the facility. The Company was afforded this opportunity by winning the Greentown Labs Circularity Challenge, an accelerator program for start-ups developed in partnership with BASF, one of the worldâ€™s leading chemical companies. Â Tonopah Flats Lithium Exploration Project Â The Company currently holds the rights to 517 Unpatented Lode Claims near Tonopah, Nevada. In addition, the Company maintains an office to oversee these claims and the associated activity in Tonopah, Nevada. Â On September 1, 2021, the Company signed an exploration agreement with 1317038 Nevada Ltd., which gave the Company exclusive access to explore 305 Unpatented Lode Claims in the Tonopah Mining District (â€œTonopah Flatsâ€) in Nye and Esmeralda Counties, Nevada. The agreement gave the Company the right to explore the claims for critical battery materials. The agreement also gave the Company the option to purchase the Claims upon expiration of the exploration agreement. The Company completed its preliminary surface sampling of the property in February 2022 and proceeded with an exploration drilling program. In July 2022, the Company exercised the option to acquire the rights to those claims. Â In addition to signing the exploration agreement mentioned above, the Company also staked additional claims in the region surrounding the claims included in the agreement. In total, the Company holds approximately 10,340 acres in the region that it intends to explore for economic lithium deposits. Â The Company began surface sampling of these claims in the Summer of 2021, and subsequently performed additional subsurface drilling programs at depths of up to 1,430 feet totaling over 12,000 feet of exploration covering approximately 65% of its claims. The results of these initial successful exploration programs led to the development and publication of a third-party Qualified Person (QP) audited SK-1300 compliant Inferred Resource Report in February 2023. Based on the results, the Company disclosed its intention to continue the exploration of the deposit. Â On July 22, 2023, the Company began a third exploration program to advance its Tonopah Flats Lithium Project. This drill program includes core infill and step out drilling to support the evolution of its domestic resource with the goal of upgrading to a â€˜measured and indicatedâ€™ resource classification. The Company selected and engaged KB Drilling for the collection of infill and step out samples for this latest drill program, which consists of sample collections from 8 additional drill holes and includes 6,500 feet of total drilling. Â On April 24, 2024, the Company announced the completion of the â€œAmended Resource Estimate and Initial Assessment with Project Economics for the Tonopah Flats Lithium Project, Esmeralda and Nye Counties, Nevada, USAâ€ (â€œAmended IAâ€) and the publication of the S-K 1300 Technical Report Summary (â€œTRSâ€) disclosing mineral resources, including an initial economic assessment, for the Tonopah Flats Lithium Project. The TRS was completed by RESPEC Company LLC (â€œRESPECâ€), a qualified person, in compliance with Item 1300 of Regulation S-K and with an effective date of April 5, 2024. Â 20 Â Â Geology, Infrastructure, and Permitting Â Property Area and Claim Type Â The area where Tonopah Flats Lithium Exploration Project is located is known for its unique sedimentary claystone resources. The Tonopah Flats property consists of 517 unpatented Federal lode mining claims covering approximately 10,680 acres and is centered at 38.1099Â° North Latitude and 117.3479Â° West Longitude. The Company owns 100% of the claims comprising the Tonopah Flats property. Ownership of the unpatented mining lode claims is in the name of the holder (locator), subject to the paramount title of the United States of America. Under the Mining Law of 1872, the locator has the right to explore, develop, and mine minerals on unpatented mining lode claims without payments of production royalties to the U.S. government. The 517 unpatented lode claims include rights to all locatable subsurface minerals. Â The project is located approximately seven miles northwest of Tonopah in Esmeralda and Nye Counties, Nevada and is intersected by Highway 6. The project has other necessary infrastructure nearby including access to power, additional road access, and water. In addition, there is an available workforce in Tonopah and the surrounding area. Â The Company has been conducting geological mapping, sampling, geochemical analysis, and proprietary extraction trials to characterize these resources and to quantify the performance of the lithium extraction and manufacturing operations. Â Mineral Resource Estimate Â The mineral resources for Tonopah Flats described and tabulated in our Amended IA report (full copy provided here: https://americanbatterytechnology.com/projects/tonopah-flats) are classified as Measured, Indicated, and Inferred in accordance with the SEC SK1300 New Mining Disclosure Rule and were estimated to reflect potential open-pit extraction. These resources were constrained with an optimization and cutoff grade satisfactory to meet the requirement of reasonable prospects for economic extraction. The pit shells created using these optimization parameters were further constrained to limit the project resources to a grade of 300ppm within claystone only, which was done as a conservative measure to avoid extremely low cutoff grades despite economics. It should be noted that without the grade constraint, the resulting pit shell using these parameters would be larger than has been used for the resources reported herein. Â The table below summarizes the Tonopah Flats lithium resources: Â Tonopah Flats Mineral Resources ClassificationÂ Total kTonsÂ Â Average ppm LIÂ Â LI kTonsÂ Â LHM kTonsÂ Measured mineral resourcesÂ Â 721,000Â Â Â 702Â Â Â 510Â Â Â 3,060Â Indicated mineral resourcesÂ Â 2,439,000Â Â Â 565Â Â Â 1,380Â Â Â 8,340Â Measured and Indicated mineral resourcesÂ Â 3,160,000Â Â Â 596Â Â Â 1,890Â Â Â 11,400Â Inferred mineral resourcesÂ Â 2,931,000Â Â Â 550Â Â Â 1,610Â Â Â 9,750Â Â a) The estimate of mineral resources was performed by RESPEC. b) Tonopah Flats resources are classified as Measured, Indicated, and Inferred. c) Mineral resources comprised all model blocks at a 300ppm ton Li cutoff that lie within an optimized pit. d) The estimated mineral resources include data from the 29 sampled holes. e) Lithium Hydroxide Monohydrate (LHM) tons were calculated using a factor of 6.0459 relative to Li. f) Mineral resources that are not mineral reserves do not have demonstrated economic viability. g) The effective date of the estimate is December 21, 2023. h) Rounding may result in apparent discrepancies between tons, grade, and contained metal content. Â 21 Â Â Price trends throughout 2022 and early 2023 reflected an average market price that was much higher than averages over previous years. The second half of 2023 and early 2024 saw the stabilization of market prices. There is some risk that a significant commodity price drop would change the economic inputs to the pit constraints used to report this resource. As a result, a conservative cutoff concentration of 300 ppm Li within the optimized pit is used in this analysis. It should be noted that without this grade constraint, the resulting pit shell using these parameters would be larger than has been used for the resources reported herein. Â Capital and Operating Costs Â Mining capital and mine operating costs were estimated by RESPEC. Process capital and process operating costs were estimated by the Company and Woods Process Services, LLC. The project capital estimate includes a total of $785.4 million in initial (years 1 through 3) capital, and $258.8 million in sustaining capital throughout the mine life, based on an owner mining fleet of equipment. This totals $1.04 billion for the 50-year mine life. Capital and operating costs have an accuracy of plus or minus 50%. Â Net operating costs are estimated to be $15.45/ton processed or $5,720 per ton of LHM. The life of mine operating cost summary is presented in the table below. Â Overview of Mine Operating Costs Â Â K USD LOM CostÂ Â $/ton ProcessedÂ Â $/ton LHMÂ Mining CostÂ $1,996,257Â Â $Â Â Â Â Â Â Â Â 3Â Â $1,238Â Process CostÂ $6,937,244Â Â $12Â Â $4,302Â Site G&A CostÂ $190,039Â Â $0Â Â $118Â ReclamationÂ $100,000Â Â $0Â Â $62Â Net Operating CostÂ $9,223,540Â Â $15Â Â $5,720Â Â Initial Economic Assessment (â€œIAâ€) Â RESPEC completed an IA by creating a cash-flow model based on the production schedule and resulting revenue stream in accordance with the costs presented. Only measured and indicated mineral resources were used to create the revenue stream and inferred resources were assumed to be waste. The IA limits the project to a mine life of 50 years for approximately 597 million tons with an average of 4,111 ppm LHM grade processed and a recovery of 65.7%. With $785.4 million in initial capital costs, processing costs of $4,302/ton of LHM, overall operating costs of $5,720/ton of LHM produced, and average annual production of 33,000 tons of LHM, RESPEC estimates a $10.05 billion after-tax net present value (NPV) at a 5% discount rate. At a discount rate of 10%, the after-tax net NPV is $4.67 billion. The project has a 69.8% Internal Rate of Return (IRR) and 2.3-year payback of initial capital. The IA is preliminary in nature and includes only measured and indicated material. There is no certainty that the conclusions reached in the IA will be realized. Mineral resources that are not categorized as reserves do not have demonstrated economic viability. Â 22 Â Â Mineral Rights and Annual Property Holding Costs Â Ownership of the unpatented mining lode claims is in the name of the holder (locator), subject to the paramount title of the United States of America, under the administration of the U.S. Bureau of Land Management (â€œBLMâ€). Under the Mining Law of 1872, which governs the location of unpatented mining lode claims on federal lands, the locator has the right to explore, develop, and mine minerals on unpatented mining lode claims without payments of production royalties to the U.S. government, and subject to the surface management regulation of the BLM. The 517 unpatented lode claims include rights to all locatable subsurface minerals. Currently, annual claim-maintenance fees of $165 per claim are the only Federal payments related to unpatented mining lode claims. The annual property holding costs, including claim fees and county recording fees total $91,569 which include Annual Federal Claim Fees of $85,305 and Annual County Recording Fees of $6,264. Surface rights sufficient to explore, develop, and mine minerals on the unpatented mining lode claims are inherent to the claims as long as the claims are maintained in good standing. The surface rights are subject to all applicable state and federal environmental regulations. Â Significant Encumbrances and Permitting Â The Tonopah Flats property is owned 100% by the Company with no significant encumbrances or agreements such as leases, options, or purchase payments known and there are no royalties associated with the property. Tonopah Flats is currently operated as a mid-stage project with studies advancing for mineral resources, metallurgy and processing, engineering and economics, and environmental permitting. Key BLM permits and bonding for these activities are in place and include: Â â—BLM Notice of Operations NVN-100850 â—The reclamation bonds associated with the above activities are: â—‹Exploration Bond #4969389 current obligation - $59,646 Â The BLM Nevada State Office currently holds BLM cash bond number 4969389 with the Company as principal, in the amount of $59,646. The bond provides surface reclamation coverage for operations conducted by the Company at the Tonopah Flats property. The total projected surface disturbance for the exploration permits as of November 2023 is approximately 4.47 acres. The Company is currently in compliance with all issued permits. Â Internal Controls Â We have internal controls for reviewing and documenting the information supporting the exploration, describing the methods used, and ensuring the validity of the results. These internal control processes were not materially impacted by the adoption of S-K 1300. Information that is utilized to conduct exploration is prepared and certified by appropriate QPs and is subject to our internal review process, which includes review by a QP. The QP and management agree on the reasonableness of the criteria for the purposes of the exploration. Calculations using these criteria are reviewed and validated by the QP. We recognize the risks inherent in exploration, such as the geological complexity, interpretation and extrapolation of data, changes in operating approach, macroeconomic conditions and new data, among others. Overestimated resources resulting from these risks could have a material effect on future profitability. Â A map of the project is included in Figure 1 below. Â Â Figure 1: Tonopah Flats Lithium Exploration Project Â 23 Â Â Item 3. Legal Proceedings Â On August 22, 2022, John Lukrich, former Chief of Staff at the Company, filed a complaint against the Company in California state court. The Company removed the action to federal court on diversity grounds, and the case is now pending in the United States District Court for the Northern District of California, Case No. 3:22-cv-06690. Lukrich asserts claims for: (1) Breach of ContractÍ¾ (2) Failure to Timely Pay WagesÍ¾ and (3) Violation of Labor Code Section 925, all related to his previous employment and associated compensation. Lukrich seeks general damages to recover the compensation he alleges is owed to him, declaratory relief related to the terms of his Offer Letter, attorneysâ€™ fees, and costs. On September 1, 2024, the parties entered into a settlement agreement, agreeing to dismiss the case, wherein the Company agreed to monetary payments totaling $300,000, with each party bearing their own attorneysâ€™ fees and costs. All settlement terms should then be completed, and the case dismissed with prejudice, in or around January 2025. Â On July 27, 2023, the U.S. Department of Labor Occupational Safety and Health Administration (â€œOSHAâ€) notified the Company that Kimberly Eckert, former Chief Financial Officer, filed a complaint with case number 201018556 against the Company, alleging unlawful retaliation. Ms. Eckert alleges that she was unlawfully terminated by the Company. Specifically, Ms. Eckert alleges that the Companyâ€™s board of directors terminated her in retaliation for complaining about other officers of the Company allegedly withholding financial information from her. The Company served its response to the complaint on August 16, 2023, in order to provide OSHA with a written account of the facts and a statement of the Companyâ€™s position. The Company believes the claims are without merit and intends to vigorously contest the allegations in the complaint. Additionally, in a related complaint, on January 21, 2024, Ms. Eckert filed a Charge of Discrimination with the U.S. Equal Employment Opportunity Commission, Denver Field Office, case number 541-2023-03183, alleging that the Company discriminated against her due to her sex (female) and retaliation in violation of Title VII of the Civil Rights Act of 1964, as amended. The Company served its response to the complaint on August 16, 2023, in order to provide the agency with a written account of the facts and a statement of the Companyâ€™s position. The Company believes the claims are without merit and intends to vigorously contest the allegations in the complaint. With respect to the foregoing Eckert matters, no further agency or party action has been taken that is known to the Company as of June 30, 2024, and, as of the filing of this Form 10-K. Â Other than these proceedings, to the best of our knowledge, we are not currently a party to any legal proceedings that, individually or in aggregate, are deemed to be material to our financial condition or results of operations. Â Item 4. Mine Safety Disclosures Â Our company is engaged in exploration activities that currently do not require a Mine Safety and Health Administration ID. We employ Best Management Practices in regard to our employee and contractorâ€™s safety. Â 24 Â Â PART II Â Item 5. Market for Common Equity and Related Stockholder Matters Â Market Information Â Our common stock is listed on The Nasdaq Capital Market under the trading symbol â€œABATâ€. Â Holders Â As of September 13, 2024, we had approximately 132 shareholders Â of record, including our directors and officers. Â Dividends Â We have never declared or paid any cash dividends on our common stock. We currently intend to retain all available funds and any future earnings to support our operations and finance the growth and development of our business. We do not intend to pay cash dividends on our common stock for the foreseeable future. Any future determination related to the Companyâ€™s dividend policy will be made at the discretion of our Board of Directors. Â ITEM 6. Reserved. Â ITEM 7. MANAGEMENTâ€™S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITIONS AND RESULTS OF OPERATIONS. Â Forward-Looking Statements Â You should read the following discussion of our financial condition and results of operations in conjunction with the consolidated financial statements and the notes thereto included elsewhere in this Form 10-K. The information in this discussion contains forward-looking statements and information within the meaning of Section 27A of the Securities Act and Section 21E of the Exchange Act. These forward-looking statements include, but are not limited to, statements concerning our strategy, future operations, future financial position, future revenues, projected costs, prospects and plans and objectives of management. The words â€œanticipates,â€ â€œbelieves,â€ â€œestimates,â€ â€œexpects,â€ â€œintends,â€ â€œmay,â€ â€œplans,â€ â€œprojects,â€ â€œwill,â€ â€œwouldâ€ and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. We may not actually achieve the plans, intentions, or expectations disclosed in our forward-looking statements and you should not place undue reliance on our forward-looking statements. Actual results or events could differ materially from the plans, intentions and expectations disclosed in the forward-looking statements that we make. These forward-looking statements involve risks and uncertainties that could cause our actual results to differ materially from those in the forward-looking statements, including, without limitation, the risks set forth in our filings with the SEC. The forward-looking statements are applicable only as of the date on which they are made, and we do not assume any obligation to update any forward-looking statements except as required by applicable securities laws. Â 25 Â Â Overview Â American Battery Technology Company (the â€œCompanyâ€) is a relatively new entrant in the lithiumâ€“ion battery industry that is working to increase the domestic U.S. production of battery materials, such as lithium, nickel, cobalt, and manganese through its exploration of new domestic-United States primary resources of battery metals, development and commercialization of new technologies for the extraction of these battery metals from primary resources, and commercialization of an internally developed integrated process for the recycling of lithiumâ€“ion batteries. Through this threeâ€“pronged approach the Company is working to both increase the domestic production of these battery materials, and to ensure spent batteries have their elemental battery metals returned to the domestic manufacturing supply chain in an economical, environmentally-conscious, closedâ€“loop fashion. Â To implement this business strategy, the Company has constructed its first integrated lithiumâ€“ion battery recycling facility, which takes in waste and endâ€“ofâ€“life battery materials from the electric vehicle, stationary storage, and consumer electronics industries. The ramp-up and operations of this facility are of the highest priority to the Company, and as such it has significantly increased the resources devoted to its execution including the further internal hiring of technical staff, expansion of laboratory facilities, and purchasing of equipment which led to the Companyâ€™s first revenue generation in the fourth quarter of fiscal 2024. The Company has been awarded a competitively bid grant from the U.S. Advanced Battery Consortium to support a $2 million project to accelerate the development and demonstration of the technologies within this integrated lithiumâ€“ion battery recycling facility. The Company has also been awarded an additional grant from the U.S. Department of Energy (â€œDOEâ€) to support a $20 million project under the Bipartisan Infrastructure Law to validate, test, and deploy three next-generation disruptive advanced separation and processing recycling technologies. Â Additionally, the Company is accelerating the demonstration and commercialization of its internally developed lowâ€“cost and lowâ€“environmental impact processing train for the manufacturing of battery grade lithium hydroxide from Nevadaâ€“based sedimentary claystone resources. The Company has been awarded a grant cooperative agreement from the DOEâ€™s Advanced Manufacturing and Materials Technologies Office through the Critical Materials Innovation program to support a $4.5 million project for the construction and operation of a multiâ€“ton per day integrated continuous demonstration system to support the scaleâ€“up and commercialization of these technologies. The Company has also been awarded an additional grant award under the Bipartisan Infrastructure Law to support a $115 million project to design, construct, and commission a first-of-kind commercial-scale refinery to produce 30,000 MT of battery-grade lithium hydroxide per year from this resource. Â The Company has completed the construction and commissioning of its lithium hydroxide (LiOH) pilot plant, marking a significant milestone in the commercialization of its internally-developed processes to access an unrealized domestic primary lithium resource. The construction and commissioning of this pilot plant enables the Company to demonstrate its technologies for accessing the lithium housed in its unconventional resource, Tonopah Lithium Flats Project (â€œTLFPâ€), in an integrated and continuous system, and to generate large amounts of battery grade lithium hydroxide for delivery to customers for qualifications and evaluation. The construction and operation of this pilot demonstration plant are supported by a competitively awarded grant from the DOE for this $4.5 million effort. Product from the pilot plant is being sent for analysis to confirm and validate the resource. Â The Company has filed an Amended IA for its TFLP. The TFLP is one of the largest identified lithium resources in the United States, and while initial pit designs and economic analyses in previous assessments evaluated the full resource, this updated Initial Assessment utilizes a commercialization pathway with a more rigorous mine plan that contemplates utilization of only Measured and Indicated Mineral Resources, and excludes Inferred Mineral Resources, to supply the planned commercial-scale lithium hydroxide monohydrate (â€œLHMâ€) refinery. This commercialization pathway allows for an engineered phased development, with improved access to the higher quality portions of the resource, and improved project economics. Â On March 28, 2024, the Company was selected for an approximately $19.5 million tax credit through the Qualifying Advanced Energy Project Credits program (the â€œ48C programâ€). This tax credit was granted by the U.S. Department of Treasury Internal Revenue Service following a highly competitive technical and economic review process performed by the DOE, which evaluated the feasibility of applicant facilities to advance Americaâ€™s buildout of globally competitive critical material recycling, processing, and refining infrastructure. This $19.5 million tax credit can be utilized both for the reimbursement of capital expenditures spent to date, and also for equipment and infrastructure for additional value-add operations at the Companyâ€™s battery recycling facility in the Tahoe-Reno Industrial Center (TRIC) near Reno, Nevada. As of June 30, 2024, the Company has incurred qualifying expenditures for this tax credit but will not recognize any amounts until it has reasonable assurance of compliance with the relevant standards. Â 26 Â Â Also on March 28, 2024, the Company has been selected for an additional $40.5 million tax credit through the 48C program to support the design and construction of a new, next-generation, commercial battery recycling facility to be located in the United States. As with the Companyâ€™s initial $19.5 million tax credit under the 48C program supporting the construction and buildout of its battery recycling facility in Nevada, this additional award was granted by the U.S. Department of Treasury Internal Revenue Service following a highly competitive technical and economic review process performed by the DOE, which evaluated the feasibility of applicant facilities to advance Americaâ€™s buildout of globally competitive critical material recycling, processing, and refining infrastructure. As of June 30, 2024, the Company has not incurred any qualifying expenditures towards this tax credit. Â 2024 Financial Highlights: Â Â â— In the 4th quarter, the Company generated its first revenue from the sale of Black Mass produced by its first integrated lithium-ion battery recycling facility. Once fully ramped, this facility has the capacity to process approximately 20,000 MT/year of battery materials and to produce multiple streams of battery grade metals and other byproducts. Â â— The prime agreement contract with the DOE for the Companyâ€™s grant to support its $115 million project for its commercial-scale lithium hydroxide refinery was issued with a project start date of September 1, 2023. The Company began receiving funds related to this award during the period ended December 31, 2023. Â â— The prime agreement contract with the DOE for the Companyâ€™s grant to support its $20 million project for its next-generation advanced battery recycling technologies was issued with a project start date of October 1, 2023. The Company began receiving funds related to this award during the period ended December 31, 2023. Â â— Government grant funding increased to $3.3 million for the fiscal year ended June 30, 2024, compared to $0.9 million during the prior year. Out of the current periodâ€™s $3.3 million in grant funding, $1.0 million was recorded as an offset to fixed assets, as reimbursements related to equipment purchases, and $2.3 million was recorded as an offset to research and development costs within the consolidated statement of operations. Â â— As of June 30, 2024, the Company had total cash on hand of $7.0 million. Â â— Cash used in investing activities was $12.9 million for the acquisition of property, construction, equipment, mineral rights and water rights for the fiscal year ended June 30, 2024. Cash used in the same period of the prior year totaled $36.7 million primarily for acquisition of the Peru facility, water rights and equipment. Â â— Cash used in operations for the fiscal year ended June 30, 2024 was $16.9 million, compared to $13.4 million use of cash during the fiscal year ended June 30, 2023. Â â— On August 29, 2023, the Company entered into a Securities Purchase Agreement for up to $51.0 million of a new series of senior secured convertible notes. To date, $25.0 million of these notes have been issued and the Company has no plans to use the remaining facility. Â â— On April 3, 2024, the Company entered into an At-the-Market Sales Agreement (â€œATMâ€) with Virtu Americas LLC having an aggregate offering price of up to $50.0 million which may be used to fund operations. During the fiscal year ended June 30, 2024, the Company sold 9,109,573 common shares and received proceeds of $12.1 million under the ATM. Â Components of Statements of Operations Â Revenue Â During the year ended June 30, 2024, our net sales were $0.3 million. These sales related to our Black Mass product resulting from recycling operations and were the initial revenue generated by the Company. The materials were sold to a customer who took delivery at our plant and the materials will remain at our plant to be further processed when phase two of the plant is complete. Â Cost of Goods Sold Â Cost of goods sold during the year ended June 30, 2024 was $3.3 million, well above the value of the related revenue. The high cost of goods sold is related to the in-service date and depreciation of the recycling facility fixed assets, which is time based, and the finalization of the production process. We expect these costs to continue to rise but will be reduced as a percentage of revenue as we scale our production and gain efficiencies in the process. Â 27 Â Â Operating Expenses Â During the fiscal year ended June 30, 2024, the Company incurred $44.8 million of operating expenses compared to $22.4 million of operating expenses during the fiscal year ended June 30, 2023. The increase is primarily due to the items described below: Â General and administrative expenses consist of personnel, legal, finance, recruiting, business development, public relations, and general facility expenses. For the fiscal year ended June 30, 2024 and 2023, general and administrative expenses were $16.1 million and $12.8 million, respectively. The increase of $3.3 million is primarily related to increases in employee stock-based compensation, compliance and insurance costs. Â Research and development expenses consist primarily of personnel, laboratory leases, and supplies. Research and development expenses for the fiscal year ended June 30, 2024, and 2023, were $14.3 million and $7.6 million, respectively. The increase of $6.8 million is primarily due to increased employee headcount, stock-based compensation, insurance and facility costs. These costs are partially offset by federal grant funds for awards that the Company has contracted with various United States federal agencies. The Company recognized an offset to its research and development costs of $3.3 million and $0.9 million related to these awards for the fiscal year ended June 30, 2024, and 2023, respectively. Â Exploration costs consist primarily of personnel, drilling, assay, claim fees, office and warehouse costs, travel, and other costs related to exploration of claims in central Nevada. Exploration expenses totaled $4.1 million for the fiscal year ended June 30, 2024, compared to $2.0 million during the prior year. The increase year-over-year resulted principally from increased drilling, assaying and engineering costs to further define and potentially upgrade the geological classification of the mineral rights. Â An impairment loss on assets held-for-sale was recorded in the year ended June 30, 2024 and is related to certain assets, primarily to land and a building, at the Fernley, Nevada location the Company has decided to sell. Upon this decision, the Company performed a valuation analysis to determine the potential realizable value of these and that estimated amount was $10.2 million less than the carrying value of the assets. These assets have a carrying value of $8.4 million at June 30, 2024 and are subject to further impairment, if warranted, until the assets are sold. Â Other (Expense) Income Â Other expense was $4.7 million in the year ended June 30, 2024 versus other income of $0.2 million in the prior year. The increase of $4.9 million is primarily due to the accretion of financing costs of $4.2 million and the change in fair value of derivative liability of $0.3 million. During the fiscal year ended June 30, 2024, the Company reported a correction of prior periods related to the derivative liability (see Note 3 of the consolidated financial statements for further detail). Â Net Loss Â During the fiscal year ended June 30, 2024, the Company incurred a net loss of $52.5 million or $1.02 loss per share compared to a net loss of $22.2 million or $0.51 loss per share during the fiscal year ended June 30, 2023. Â Liquidity and Capital Resources Â At June 30, 2024, the Company had cash of $7.0 million and total assets of $77.7 million compared to cash of $2.3 million and total assets of $74.7 million at June 30, 2023. The increase in cash is primarily due to utilization of the common stock purchase agreement with Tysadco and ATM agreement with Virtu offset by many uses of cash for the continued build out of our production process during the year. Â The Company had total current liabilities of $15.8 million at June 30, 2024, compared to $13.7 million at June 30, 2023. The increase is primarily related to an increase in accounts payable and accrued liabilities which include the full amount of $1.8 million related to the settlement of Mercuria Marketing Agreement. Â As of June 30, 2024 the Company had positive working capital of $2.2 million compared to a working capital deficiency of $9.0 million at June 30, 2023. The positive working capital is related to the current classification of $8.4 million of held-for-sale assets at June 30, 2024. Absent this classification, we would have a working capital deficiency of $5.8 million compared to a deficiency of $9.0 million in the prior year. The working capital deficiency is largely attributed to the current classification of all of the convertible notes, as well as acquisitions of property and equipment and cash used in operating activities. Â 28 Â Â Going Concern Â The continuation of the Company as a going concern is dependent upon generating profit from its operations and its ability to obtain debt or equity financing. There is no assurance that the Company will be able to generate sufficient profits, obtain such financings, or obtain them on favorable terms, which could limit its operations. Any such financing activities are subject to market conditions. These uncertainties cause substantial doubt about the Companyâ€™s ability to continue as a going concern for 12 months from issuance of these financial statements. These consolidated financial statements do not include any adjustments to the recoverability and classification of recorded asset amounts and classification of liabilities that might be necessary should the Company be unable to continue as a going concern. These adjustments could be material. Â The going concern assessment excludes the Companyâ€™s at-the-market (â€œATMâ€) offering, which could provide a source of liquidity. Â On April 3, 2024, the Company entered into an ATM sales agreement with Virtu Americas LLC, pursuant to which the Company may offer and sell, from time to time through the sales agent, shares (the â€œSharesâ€) of the Companyâ€™s common stock, par value $0.001 per share, having an aggregate offering price of up to $50,000,000, subject to the terms and conditions of the Sales Agreement. During the period, the Company sold 9,109,573 common shares for total proceeds of $12.1 million. Â Based on our current operating plan, unless we generate income from the operations of our facilities and receipt of cash from United States Government grant awards, raise additional capital (debt or equity), it is possible that we will be unable to maintain our financial covenants under our existing Note agreement, which, if such violation is not waived, could result in an event of default, causing an acceleration of the outstanding balances. If we do raise additional capital through public or private equity offerings, as opposed to debt or additional Note issuances, the ownership interest of our existing stockholders may be diluted. Â Grant Awards Â On January 20, 2021, the US DOE announced that the Company had been selected for award negotiation for a three-year project with a total budget of $4.5 million for the field demonstration of its selective leaching, targeted purification, and electro-chemical production of battery grade lithium hydroxide from domestic claystone resources technology. Through this grant award the Company is eligible to receive reimbursement of up to 50% of eligible expenditures, or up to $2.3 million. The prime agreement contract for this grant (â€œAMO grantâ€) was issued with a project start date of October 1, 2021. The Company began receiving funds related to this award during the fiscal year ended June 30, 2022. As of June 30, 2024, the cumulative funds invoiced for this grant totaled $1.7 million, which represents 73% of the total eligible reimbursements. Â On August 16, 2021, the Company received a contract award for a 30-month project with a total budget of $2.0 million from the US Advanced Battery Consortium (the â€œUSABC grantâ€) as part of a competitively bid project, through which the Company will receive reimbursement for up to $500,000 of eligible expenditures. The objective of the contract award is for the commercial-scale development and demonstration of an integrated lithium-ion battery recycling system, the production of battery cathode grade metal products, the synthesis of high energy density active cathode material from these recycled battery metals, and the fabrication of large format automotive battery cells from these recycled materials and the testing of these cells against otherwise identical cells made from virgin sourced metals. The Company began receiving funds related to this award during the fiscal year ended June 30, 2022. As of June 30, 2024, the cumulative funds invoiced for this grant totaled $0.5 million, which represents 97% of the total eligible reimbursements. Â On October 21, 2022, the US DOE announced that the Company has been selected for award negotiation for a five-year project with a total budget of $115.5 million to expand domestic manufacturing of battery grade lithium hydroxide for lithium-ion batteries for electric vehicles, a focus on domestic processing of materials and components that are currently imported from foreign countries. Through this grant award the Company is eligible to receive reimbursement of up to 50% of eligible expenditures, or up to $57.7 million. The prime agreement contract for this grant was issued with a project start date of September 1, 2023. The Company began receiving funds related to this award in fiscal 2024. As of June 30, 2024, the cumulative funds invoiced for this grant totaled $1.7 million, which represents 3% of the total eligible reimbursements. Â On November 17, 2022, the US DOE announced that the Company has been selected for award negotiation for a three-year project with a total budget of $20.0 million to demonstrate and commercialize next generation techniques for its lithium-ion battery recycling processes to produce low-cost and low-environmental impact domestic battery materials. Through this grant award the Company is eligible to receive reimbursement of up to 50% of eligible expenditures, or up to $10.0 million. The Company is expected to begin receiving funds associated with this during the fiscal year ended June 30, 2024. As of June 30, 2024, the cumulative funds invoiced for this grant totaled $0.6 million, which represents 6% of the total eligible reimbursements. Â 29 Â Â Cash Flows Â For the fiscal years ended June 30: Â Â Â 2024 Â Â 2023 Â Cash Flows used in Operating Activities Â $ (16,736,231) Â $ (13,367,982) Cash Flows used in Investing Activities Â $ (12,969,219) Â $ (36,716,761) Cash Flows provided by Financing Activities Â $ 34,387,087 Â Â $ 23,415,724 Â Net Increase (Decrease) in Cash During the Period Â $ 4,681,637 Â Â $ (26,669,019) Â Cash from Operating Activities. Â During the fiscal year ended June 30, 2024, the Company used $16.7 million of cash for operating activities as compared to $13.4 million used during the fiscal year ended June 30, 2023. The increase is mainly due to non-cash items related to the write down loss on held-for-sale assets of $10.3 million, stock-based compensation expense of $14.6 million, and accretion of financing costs of $4.2 million. The change in operating assets was mainly driven by costs for engineering and research and development as well as increased exploration expenses. Increased engineering and research and development costs were to support the development of the Companyâ€™s process for the recycling of lithium-ion batteries and for the extraction of lithium from the Companyâ€™s lithium claystone mining claims. The Company has also incurred a steady increase in exploration activity expenses as it continues to evaluate its claims in the Tonopah, Nevada region. General and administrative expenses have increased to further support the Companyâ€™s business objectives. Â Cash from Investing Activities Â During the fiscal year ended June 30, 2024, the Company used cash for investing activities of $12.9 million, consisting primarily of $11.4 million related to property and equipment for its recycling facilities. This is in comparison to cash used for investing activities of $36.7 million for the fiscal year ended June 30, 2023, including $28.6 million of acquisition costs associated with property and equipment for its recycling facilities and $8.1 million for mineral rights acquired in Tonopah, Nevada. Â As of June 30, 2024, the Company had total non-current assets of $59.3 million compared to $69.9 million at June 30, 2023. The Company will continue to see an increase in investing activities as it continues to invest heavily in its recycling and primary resource extraction activities. Â Cash from Financing Activities Â During the year ended June 30, 2024, the Company had net cash provided by financing activities of $34.4 million compared to $23.4 million for the fiscal year ended June 30, 2023. The increase is due to the use of share purchase agreements. Â During the period, the Company issued 17.3 million shares of common stock pursuant to purchase agreements for net proceeds of $38.1 million and the Company issued convertible notes for net proceeds of $20.3 million. These were partially offset by repayment of notes payable during the period totaling $24 million. Â 30 Â Â Off-Balance Sheet Arrangements Â As of June 30, 2024 and 2023, we had no off-balance sheet arrangements. Â Working CapitalÂ Â Â Â June 30, 2024 Â Â June 30, 2023 Â Current Assets Â $ 18,406,048 Â Â $ 4,753,588 Â Current Liabilities Â $ 15,798,298 Â Â $ 13,389,864 Â Working Capital (Deficiency) Â $ 2,231,922 Â Â $ (8,636,276) Â Future Financings Â We will continue to rely on sales of our common shares, debt, or other financing to fund our business operations. Issuance of additional shares will result in dilution to existing stockholders. There is no assurance that we will achieve any additional sales of the securities or arrange for debt or other financing to fund planned operating activities, acquisitions and exploration activities. Â Critical Accounting Estimates and Judgments Â Our consolidated financial statements and accompanying notes are prepared in accordance with accounting principles generally accepted in the United States of America. These accounting principles require us to make estimates, judgments and assumptions that affect the reported amounts of revenues, expenses, assets, liabilities, and contingencies. All significant estimates, judgments and assumptions are developed based on the best information available to us at the time made and are regularly reviewed and updated when necessary. Actual results could differ from these estimates. Changes in estimates are reflected in our financial statements in the period of change based upon on-going actual experience, trends, or subsequent realization depending on the nature and predictability of the estimates and contingencies. Â Certain accounting estimates, including those concerning revenue recognition, share based compensation, impairments of long-lived assets, assets held-for-sale, and accounting for income taxes, are considered to be critical in evaluating and understanding our financial results because they involve inherently uncertain matters and their application requires the most difficult and complex judgments and estimates. These are described below. For further information on our accounting policies, see Note 3 to our consolidated financial statements. Â Fair Value Measurements Â Recurring Valuations. The Companyâ€™s recurring fair value measurements include the valuation of the derivative liability for the bifurcated notes payable freestanding call option. In making these fair value determinations, we were required to make assumptions that affected the recorded amounts, including volatility, risk free rates, and duration of time. Our estimates of fair value are based upon assumptions we believe to be reasonable, but which are inherently uncertain. Â Nonrecurring Valuations. The Companyâ€™s nonrecurring fair value measurements include the valuation of assets held-for-sale. In making these fair value determinations, we were required to make assumptions that affected the recorded amounts, including estimates related to construction work, comparable market listings for similar assets and current market conditions. Our estimates of fair value are based upon assumptions we believe to be reasonable, but which are inherently uncertain. Â 31 Â Â Revenue Recognition Â Revenue recognition requires judgment and the use of estimates, especially in identifying and evaluating the various non-standard terms and conditions in our contracts with customers as to their effect on reported revenue. Â We account for revenue in accordance withÂ Accounting Standards Codification 606, Revenue from Contracts with Customers (â€œASC 606â€). The core principle of ASC 606Â is to recognize revenue upon the transfer of services or products to customers in an amount that reflects the consideration we expect to be entitled to in exchange for those services or products. We apply a five-step framework to recognize revenue as described in our Revenue Recognition policy included in Note 3 of our consolidated financial statements included in this Annual Report on Form 10-K. Â Generally, we recognize revenue related to sales of our products upon shipment, when persuasive evidence of an arrangement exists, delivery has occurred or services have been rendered, the fee is fixed or determinable, and collectability is reasonably assured. The Company has limited revenue recognition history. There are no provisions for payment discounts, product return allowances and uncollectable accounts at this time. Â Bill and Hold Transactions Â The majority of revenue is derived from a bill and hold arrangement. In this case, at the customerâ€™s request, we enter into bill-and-hold transaction whereby title transfers to the customer, but the product does not ship until a specified later date. We recognize revenue associated with bill-and-hold arrangements when the product is complete and ready to ship, hold criteria have been met, the amount due from the customer is fixed, and collectability of the related receivable is reasonably assured. All of the foregoing requires us to apply our judgment. Bill-and-hold arrangements most often occur when the customer requests us to hold the product for potential future processing or until they provide us further instructions at a later date to ship the product to a different location. Â Assets Held-for-Sale Â Management considers whether events and circumstances such as a change in strategic direction and changes in business climate would impact the fair value of long-lived assets. The Company used critical judgements in analyzing certain market data and estimates to calculate the value of the assets held-for-sale. Significant assumptions that form the basis of fair value include market comparison of similar properties, construction cost estimates and using certain dollar per square foot amounts to derive fair value. Our estimates of fair value are based upon assumptions we believe to be reasonable, but which are inherently uncertain. Â Stock-Based Compensation Â The fair value of share-based payments are subject to the limitations of the Black-Scholes option pricing model that incorporates market data and involves uncertainty in estimates used by management in the assumptions. Because the Black-Scholes option pricing model requires the inputs of highly subjective assumptions, including the volatility of share prices, changes in subjective input assumptions can materially affect the estimate. Â Accounting for Income Taxes Â Tax interpretations, regulations and legislation in the various jurisdictions in which the Company operates are subject to change and interpretation. As such, income taxes are subject to measurement uncertainty. Assessing the recoverability of deferred tax assets requires the Company to make estimates related to the expectations of future taxable income and the application of existing tax laws. To the extent that future taxable income differs significantly from estimates, the ability of the Company to realize deferred tax assets could be impacted. Â New Accounting Pronouncements Â New accounting pronouncements are issued by the Financial Accounting Standards Board or other standard setting bodies that are adopted by us as of the specified effective date. Unless otherwise discussed, we believe that the impact of recently issued standards that are not yet effective will not have a material impact on our financial position or results of operations upon adoption. For further discussion on recent accounting pronouncements, please see Note 3, â€œAccounting Pronouncements,â€ to our consolidated financial statements included in this Annual Report on Form 10-K for additional information. Â Item 7a. Quantitative and Qualitative Disclosures About Market Risk Â Not Applicable. Â 32 Â Â Item 8. Financial Statements and Supplementary Data. Â AMERICAN BATTERY TECHNOLOGY COMPANY Â Consolidated Financial Statements Â For the fiscal years ended June 30, 2024, and June 30, 2023 Â Report of Independent Registered Public Accounting Firm (KPMG LLP, PCAOB ID Number 185) F-1Â Report of Independent Registered Public Accounting Firm (Marcum LLP, PCAOB ID Number 688) F-3 Consolidated Balance Sheets F-4 Consolidated Statements of Operations F-5 Consolidated Statement of Stockholdersâ€™ Equity F-6 Consolidated Statements of Cash Flows F-8 Notes to the Consolidated Financial Statements F-9 Â 33 Â Â Report of Independent Registered Public Accounting Firm Â To the Shareholders and Board of Directors American Battery Technology Company: Â Opinion on the Consolidated Financial Statements Â We have audited the accompanying consolidated balance sheet of American Battery Technology Company and subsidiaries (the Company) as of June 30, 2024, the related consolidated statement of operations, stockholdersâ€™ equity, and cash flows for the year ended June 30, 2024, and the related notes (collectively, the consolidated financial statements). In our opinion, the consolidated financial statements present fairly, in all material respects, the financial position of the Company as of June 30, 2024, and the results of its operations and its cash flows for the year ended June 30, 2024, in conformity with U.S. generally accepted accounting principles. Â Going Concern Â The accompanying consolidated financial statements have been prepared assuming that the Company will continue as a going concern. As discussed in Note 2 to the consolidated financial statements, the Company has recurring net losses from operations, is generating negative cash flows from operating activities, and has an accumulated deficit that raise substantial doubt about its ability to continue as a going concern. Managementâ€™s plans in regard to these matters are also described in Note 2. The consolidated financial statements do not include any adjustments that might result from the outcome of this uncertainty. Â Basis for Opinion Â These consolidated financial statements are the responsibility of the Companyâ€™s management. Our responsibility is to express an opinion on these consolidated financial statements based on our audit. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB. Â We conducted our audit in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement, whether due to error or fraud. The Company is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. As part of our audit, we are required to obtain an understanding of internal control over financial reporting but not for the purpose of expressing an opinion on the effectiveness of the Companyâ€™s internal control over financial reporting. Accordingly, we express no such opinion. Â Our audit included performing procedures to assess the risks of material misstatement of the consolidated financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements. Our audit also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. We believe that our audit provides a reasonable basis for our opinion. Â F-1 Â Â Critical Audit Matter Â The critical audit matter communicated below is a matter arising from the current period audit of the consolidated financial statements that was communicated or required to be communicated to the audit committee and that: (1) relates to accounts or disclosures that are material to the consolidated financial statements and (2) involved our especially challenging, subjective, or complex judgments. The communication of a critical audit matter does not alter in any way our opinion on the consolidated financial statements, taken as a whole, and we are not, by communicating the critical audit matter below, providing a separate opinion on the critical audit matter or on the accounts or disclosures to which it relates. Â Valuation of held for sale assets Â As discussed in Note 7 to the financial statements, the Company has classified certain assets as held for sale given the intent to sell as of June 30, 2024. These assets held for sale (disposal group) are comprised of land and building long-lived assets with a carrying amount of $18.6 million. The Company recorded a write down loss on the assets held for sale of $10.3 million for the fiscal year ended June 30, 2024. The fair value of assets held for sale is classified as Level 3 of the fair value hierarchy and was determined based on indicative listing prices of the assets. Â We identified the evaluation of the fair value of the disposal group as a critical audit matter. Subjective auditor judgment was required to evaluate the valuation technique and certain key assumptions used to develop the fair value less cost to sell of the disposal group as changes to the valuation technique and key assumptions used may have a significant effect on the Companyâ€™s determination of the fair value measurement. Key assumptions included the improved building value per square foot and excess land per square foot. Additionally, the evaluation of the valuation technique and key assumptions required specialized knowledge. Â The following are the primary procedures we performed to address this critical audit matter. We compared managementâ€™s estimate of fair value for the disposal group to a brokerâ€™s opinion of value obtained from the Companyâ€™s broker. We involved valuation professionals with specialized skills and knowledge, who assisted in evaluating the methodology and key assumptions used in the determination of the fair value less cost to sell of the building and land classified as held for sale, including Â â—evaluating whether the valuation technique used was appropriate in the context of the Companyâ€™s financial reporting framework and business environment in which they operate. Â â—assessing the reasonableness of the assumptions for improved building value per square foot and excess land value per square foot by comparing to market comparable building and land transactions with similar attributes. Â Â We have served as the Companyâ€™s auditor since 2024. Â Portland, Oregon September 23, 2024 Â F-2 Â Â REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM Â To the Shareholders and Board of Directors of American Battery Technology Company Â Opinion on the Financial Statements Â We have audited, before the effects of the adjustments for the correction of the error described in Note 3, the consolidated balance sheet of American Battery Technology Company (the â€œCompanyâ€) as of June 30, 2023, the related consolidated statements of operations, stockholdersâ€™ equity and cash flows for the year then ended, and the related notes (the 2023 financial statements before the effects of the adjustments discussed in Note 3 are not presented herein). In our opinion, except for the effects of the adjustments for the correction of the error described in Note 3, the 2023 financial statements present fairly, in all material respects, the financial position of the Company as of June 30, 2023, and the results of its operations and its cash flows for the year then ended, in conformity with accounting principles generally accepted in the United States of America. Â We were not engaged to audit, review, or apply any procedures to the adjustments for the correction of the error described in Note 3 and, accordingly, we do not express an opinion or any other form of assurance about whether such adjustments are appropriate and have been properly applied. Those adjustments have been audited by other auditors.Â Â Basis for Opinion Â These financial statements are the responsibility of the Companyâ€™s management. Our responsibility is to express an opinion on the Companyâ€™s financial statements based on our audit. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (â€œPCAOBâ€) and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB. Â We conducted our audit in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud. The Company is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. As part of our audit we are required to obtain an understanding of internal control over financial reporting but not for the purpose of expressing an opinion on the effectiveness of the Companyâ€™s internal control over financial reporting. Accordingly, we express no such opinion. Â Our audit included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audit also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that our audit provides a reasonable basis for our opinion. Â Critical Audit Matters Â Critical audit matters are matters arising from the current period audit of the financial statements that were communicated or required to be communicated to the audit committee and that: (1) relate to accounts or disclosures that are material to the financial statements and (2) involved our especially challenging, subjective, or complex judgments. We determined that there are no critical audit matters. Â /s/ Marcum LLP Â We served as the Companyâ€™s auditor from 2021 to January 4, 2024. Â Costa Mesa, California September 27, 2023 Â F-3 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Consolidated Balance Sheets Â Â Â June 30, 2024 Â Â June 30, 2023 Â ASSETS Â Â Â Â Â Â Â Â Â Â Â Â Â Current assets Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Cash Â $ 7,001,786 Â Â $ 2,320,149 Â Accounts receivable Â Â 228,499 Â Â Â - Â Inventory (Note 4) Â Â 154,320 Â Â Â 125,204 Â Grants receivable (Note 5) Â Â 191,522 Â Â Â 320,457 Â Prepaid expenses and deposits Â Â 1,813,050 Â Â Â 1,637,230 Â Subscription receivable Â Â 608,333 Â Â Â 350,550 Â Assets held-for-sale (Note 7) Â Â 8,408,538 Â Â Â - Â Â Â Â Â Â Â Â Â Â Total current assets Â Â 18,406,048 Â Â Â 4,753,590 Â Â Â Â Â Â Â Â Â Â Other deposits (Note 6) Â Â - Â Â Â 27,740,587 Â Property and equipment, net (Note 7) Â Â 46,314,966 Â Â Â 29,946,099 Â Mining properties (Note 8) Â Â 8,392,977 Â Â Â 8,223,323 Â Intangible assets (Note 9) Â Â 4,519,038 Â Â Â 3,851,899 Â Right-of-use asset (Note 12) Â Â 42,103 Â Â Â 143,154 Â Â Â Â Â Â Â Â Â Â Total assets Â $ 77,675,132 Â Â $ 74,658,652 Â Â Â Â Â Â Â Â Â Â LIABILITIES & STOCKHOLDERSâ€™ EQUITY Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Current liabilities Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Accounts payable and accrued liabilities (Note 10) Â $ 9,350,937 Â Â $ 7,734,864 Â Notes payable (Note 11) Â Â 6,447,361 Â Â Â 6,000,000 Â Â Â Â Â Â Â Â Â Â Total current liabilities Â Â 15,798,298 Â Â Â 13,734,864 Â Â Â Â Â Â Â Â Â Â Equity compensation liability (Note 15) Â Â 409,194 Â Â Â - Â Long-term liabilities (Note 12) Â Â - Â Â Â 54,304 Â Â Â Â Â Â Â Â Â Â Total liabilities Â Â 16,207,492 Â Â Â 13,789,168 Â Â Â Â Â Â Â Â Â Â Commitments and contingencies (Note 18) Â Â - Â Â Â - Â Â Â Â Â Â Â Â Â Â STOCKHOLDERSâ€™ EQUITY Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Series A Preferred Stock Authorized: 33,334 preferred shares, par value of $0.001 per share; Issued and outstanding: nil preferred shares Â Â â€“ Â Â Â â€“ Â Â Â Â Â Â Â Â Â Â Series B Preferred Stock Authorized: 133,334 preferred shares, par value of $10.00 per share; Issued and outstanding: nil preferred shares Â Â â€“ Â Â Â â€“ Â Â Â Â Â Â Â Â Â Â Series C Preferred Stock Authorized: 66,667 preferred shares, par value of $10.00 per share; Issued and outstanding: nil preferred shares Â Â â€“ Â Â Â â€“ Â Preferred Stock value Â Â â€“ Â Â Â â€“ Â Â Â Â Â Â Â Â Â Â Common Stock Authorized: 80,000,000 common shares, par value of $0.001 per share; Issued and outstanding: 64,061,763 and 45,888,131 common shares as of June 30, 2024 and June 30, 2023, respectively Â Â 64,059 Â Â Â 45,887 Â Â Â Â Â Â Â Â Â Â Additional paid-in capital Â Â 275,589,383 Â Â Â 223,134,798 Â Common stock issuable Â Â (857,470) Â Â (1,484,693) Accumulated deficit Â Â (213,328,332) Â Â (160,826,508) Â Â Â Â Â Â Â Â Â Â Total stockholdersâ€™ equity Â Â 61,467,640 Â Â Â 60,869,484 Â Â Â Â Â Â Â Â Â Â Total liabilities and stockholdersâ€™ equity Â $ 77,675,132 Â Â $ 74,658,652 Â Â (The accompanying notes are an integral part of these consolidated financial statements) Â F-4 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Consolidated Statements of Operations Â Â Â Fiscal year ended June 30, 2024 Â Â Fiscal year ended June 30, 2023 Â Â Â Â Â Â Â Â Revenue Â $ 343,500 Â Â $ - Â Cost of goods sold Â Â 3,304,707 Â Â Â - Â Gross loss Â Â (2,961,207) Â Â - Â Â Â Â Â Â Â Â Â Â General and Administrative Â Â 16,106,807 Â Â Â 12,848,131 Â Research and development Â Â 14,325,681 Â Â Â 7,565,735 Â Exploration Â Â 4,121,941 Â Â Â 2,014,341 Â Impairment charge on held-for-sale assets Â Â 10,254,037 Â Â Â - Â Â Â Â Â Â Â Â Â Â Â Total operating expenses Â Â 44,808,466 Â Â Â 22,428,207 Â Â Â Â Â Â Â Â Â Â Net loss before other income (expense) Â Â (47,769,673) Â Â (22,428,207) Â Â Â Â Â Â Â Â Â Other income (expense) Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Interest expense Â Â (158,078) Â Â (128,560) Amortization and accretion of financing costs Â Â (4,194,971) Â Â - Â Unrealized loss on investment Â Â (62,497) Â Â (9,764) Gain on sale of mining claims Â Â - Â Â Â 298,391 Â Change in fair value of derivative liability Â Â (338,886) Â Â - Â Other income Â Â 22,281 Â Â Â 77,000 Â Â Â Â Â Â Â Â Â Â Total other income (expense) Â Â (4,732,151) Â Â 237,067 Â Â Â Â Â Â Â Â Â Net loss attributable to common stockholders Â $ (52,501,824) Â $ (22,191,140) Â Â Â Â Â Â Â Â Â Net loss per share, basic and diluted Â $ (1.02) Â $ (0.51) Â Â Â Â Â Â Â Â Â Weighted average shares outstanding, basic and diluted Â Â 51,243,106 Â Â Â 43,754,913 Â Â (The accompanying notes are an integral part of these consolidated financial statements) Â F-5 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Consolidated Statement of Stockholdersâ€™ Equity Â Â Â Number Â Â Amount Â Â Number Â Â Amount Â Â Number Â Â Amount Â Â Capital Â Â Issuable Â Â Deficit Â Â Total Â Â Â Series A Preferred Shares Â Â Series C Preferred Shares Â Â Common Shares Â Â Additional Paid-In Â Â Common Stock Â Â Accumulated Â Â Â Â Â Â Number Â Â Amount Â Â Number Â Â Amount Â Â Number Â Â Amount Â Â Capital Â Â Issuable Â Â Deficit Â Â Total Â Balance, June 30, 2022 Â Â - Â Â $ - Â Â Â - Â Â $ - Â Â Â 42,942,576 Â Â $ 42,943 Â Â $ 188,151,484 Â Â $ 75,000 Â Â $ (138,635,368) Â $ 49,634,059 Â Shares issued for services Â Â - Â Â Â - Â Â Â - Â Â Â - Â Â Â 10,009 Â Â Â 10 Â Â Â 103,579 Â Â Â (59,693) Â Â - Â Â Â 43,895 Â Shares issued upon vesting of share-based awards Â Â - Â Â Â - Â Â Â - Â Â Â - Â Â Â 399,024 Â Â Â 399 Â Â Â (399) Â Â - Â Â Â - Â Â Â - Â Stock-based compensation expense Â Â - Â Â Â - Â Â Â - Â Â Â - Â Â Â - Â Â Â - Â Â Â 9,757,395 Â Â Â - Â Â Â - Â Â Â 9,757,395 Â Shares issued pursuant to share purchase agreement Â Â - Â Â Â - Â Â Â - Â Â Â - Â Â Â 433,333 Â Â Â 433 Â Â Â 3,908,490 Â Â Â - Â Â Â - Â Â Â 3,908,923 Â Shares issued towards plant acquisition Â Â - Â Â Â - Â Â Â - Â Â Â - Â Â Â 733,333 Â Â Â 733 Â Â Â 7,358,267 Â Â Â (1,500,000) Â Â - Â Â Â 5,859,000 Â Shares issued pursuant to registration statement Â Â - Â Â Â - Â Â Â - Â Â Â - Â Â Â 952,381 Â Â Â 952 Â Â Â 8,856,399 Â Â Â - Â Â Â - Â Â Â 8,857,351 Â Shares issued from private placement, net of issuance costs Â Â - Â Â Â - Â Â Â - Â Â Â - Â Â Â - Â Â Â 476,187 Â Â Â 476 Â Â Â 4,999,524 Â Â Â - Â Â Â - Â Â Â 5,000,000 Â Shares reclaimed from former service provider Â Â - Â Â Â - Â Â Â - Â Â Â - Â Â Â (58,712) Â Â (59) Â Â 59 Â Â Â - Â Â Â - Â Â Â - Â Net loss for the period Â Â - Â Â Â - Â Â Â - Â Â Â - Â Â Â - Â Â Â - Â Â Â - Â Â Â - Â Â Â (22,191,140) Â Â (22,191,140) Â Balance, June 30, 2023 Â Â - Â Â $ - Â Â Â - Â Â $ - Â Â Â 45,888,131 Â Â $ 45,887 Â Â $ 223,134,798 Â Â $ (1,484,693) Â $ (160,826,508) Â $ 60,869,484 Â Â (The accompanying notes are an integral part of these consolidated financial statements) Â F-6 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Consolidated Statement of Stockholdersâ€™ Equity Â Â Â Series A Preferred Shares Â Â Series C Preferred Shares Â Â Common Shares Â Â Additional Paid-In Â Â Common Stock Â Â Accumulated Â Â Â Â Â Â Number Â Â Amount Â Â Number Â Â Amount Â Â Number Â Â Amount Â Â Capital Â Â Issuable Â Â Deficit Â Â Total Â Balance, June 30, 2023 Â Â - Â Â $ - Â Â Â - Â Â $ - Â Â Â 45,888,131 Â Â $ 45,887 Â Â $ 223,134,798 Â Â $ (1,484,693) Â $ (160,826,508) Â $ 60,869,484 Â Balance Â Â - Â Â $ - Â Â Â - Â Â $ - Â Â Â 45,888,131 Â Â $ 45,887 Â Â $ 223,134,798 Â Â $ (1,484,693) Â $ (160,826,508) Â $ 60,869,484 Â Shares issued for services Â Â â€“ Â Â Â â€“ Â Â Â â€“ Â Â Â â€“ Â Â Â 1,326 Â Â Â 1 Â Â Â 15,172 Â Â Â (15,306) Â Â â€“ Â Â Â (133) Â Shares issued upon vesting of share-based awards Â Â â€“ Â Â Â â€“ Â Â Â â€“ Â Â Â â€“ Â Â Â 1,291,590 Â Â Â 1,291 Â Â Â (1,291) Â Â â€“ Â Â Â â€“ Â Â Â â€“ Â Stock-based compensation expense Â Â â€“ Â Â Â â€“ Â Â Â â€“ Â Â Â â€“ Â Â Â â€“ Â Â Â â€“ Â Â Â 14,500,124 Â Â Â â€“ Â Â Â â€“ Â Â Â 14,500,124 Â Shares issued pursuant to rounding of share reverse split Â Â â€“ Â Â Â â€“ Â Â Â â€“ Â Â Â â€“ Â Â Â 59,164 Â Â Â 59 Â Â Â (59) Â Â â€“ Â Â Â â€“ Â Â Â - Â Shares reclaimed pursuant to asset acquisition Â Â â€“ Â Â Â â€“ Â Â Â â€“ Â Â Â â€“ Â Â Â (128,206) Â Â (128) Â Â (1,255,649) Â Â 1,500,000 Â Â Â â€“ Â Â Â 244,223 Â Shares issued pursuant to share purchase statement Â Â â€“ Â Â Â â€“ Â Â Â â€“ Â Â Â â€“ Â Â Â 16,830,997 Â Â Â 16,831 Â Â Â 39,158,909 Â Â Â (857,471) Â Â â€“ Â Â Â 38,318,269 Â Shares issued pursuant to warrant exercises costs Â Â â€“ Â Â Â â€“ Â Â Â â€“ Â Â Â â€“ Â Â Â 118,761 Â Â Â 118 Â Â Â 37,379 Â Â Â - Â Â Â â€“ Â Â Â 37,497 Â Net loss for the period Â Â â€“ Â Â Â â€“ Â Â Â â€“ Â Â Â â€“ Â Â Â â€“ Â Â Â â€“ Â Â Â â€“ Â Â Â â€“ Â Â Â (52,501,824) Â Â (52,501,824) Â Balance, June 30, 2024 Â Â â€“ Â Â $ â€“ Â Â Â â€“ Â Â $ â€“ Â Â Â 64,061,763 Â Â $ 64,059 Â Â $ 275,589,383 Â Â $ (857,470) Â $ (213,328,332) Â $ 61,467,640 Â Balance Â Â â€“ Â Â $ â€“ Â Â Â â€“ Â Â $ â€“ Â Â Â 64,061,763 Â Â $ 64,059 Â Â $ 275,589,383 Â Â $ (857,470) Â $ (213,328,332) Â $ 61,467,640 Â Â (The accompanying notes are an integral part of these consolidated financial statements) Â F-7 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Consolidated Statements of Cash Flows Â Â Â Fiscal year ended June 30, 2024 Â Â Fiscal year ended June 30, 2023 Â Â Â Â Â Â Â Â Â Operating Activities Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Net loss attributable to common stockholders Â $ (52,501,824) Â $ (22,191,140) Â Â Â Â Â Â Â Â Â Adjustments to reconcile net loss to net cash used in operating activities: Â

Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Depreciation expense Â Â 1,678,730 Â Â Â 96,681 Â Amortization and accretion of financing costs Â Â 4,194,971 Â Â Â - Â Amortization of right-of-use asset Â Â 101,051 Â Â Â 101,049 Â Impairment charge on held-for-sale assets Â Â 10,254,037 Â Â Â - Â Stock-based compensation Â Â 14,566,318 Â Â Â 9,757,395 Â Shares issued for professional services Â Â (133) Â Â 43,895 Â Change in fair value of derivative liability Â Â 338,886 Â Â Â - Â Â Â Â Â Â Â Â Â Â Changes in operating assets and liabilities: Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Accounts receivable Â Â (228,499) Â Â - Â Inventory Â Â (29,116) Â Â (125,204) Grant receivables Â Â 128,935 Â Â Â (320,457) Prepaid expenses and deposits Â Â (551,420) Â Â (887,403) Accounts payable and accrued liabilities Â Â 5,311,833 Â Â Â 157,204 Â Â Â Â Â Â Â Â Â Â Net cash used in operating activities Â Â (16,736,231) Â Â (13,367,980) Â Â Â Â Â Â Â Â Â Investing Activities Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Other acquisition deposits Â Â (279,878) Â Â (21,881,587) Acquisition of property and equipment Â Â (11,752,994) Â Â (6,761,851) Purchase of mining properties Â Â (169,654) Â Â (8,073,323) Purchase of water rights/intangible assets Â Â (766,693) Â Â Â Â Â Â Â Â Â Â Â Â Â Â Net cash used in investing activities Â Â (12,969,219) Â Â (36,716,761) Â Â Â Â Â Â Â Â Â Financing Activities Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Proceeds from exercise of share purchase warrants Â Â 37,497 Â Â Â - Â Principal paid on notes payable Â Â (24,000,000) Â Â - Â Proceeds from notes payable, net of debt discount Â Â 20,289,104 Â Â Â 6,000,000 Â Proceeds from issuance of common shares, net of issuance costs Â Â - Â Â Â 13,857,351 Â Proceeds from share purchase agreements Â Â 38,060,486 Â Â Â 3,558,373 Â Â Â Â Â Â Â Â Â Â Net cash provided by financing activities Â Â 34,387,087 Â Â Â 23,415,724 Â Â Â Â Â Â Â Â Â Â Increase (decrease) in cash Â Â 4,681,637 Â Â Â (26,669,017) Â Â Â Â Â Â Â Â Â Cash â€“ beginning of period Â Â 2,320,149 Â Â Â 28,989,166 Â Â Â Â Â Â Â Â Â Â Cash â€“ end of period Â $ 7,001,786 Â Â $ 2,320,149 Â Â Â Â Â Â Â Â Â Â Supplemental disclosures (Note 17) Â Â Â Â Â Â Â Â Â (The accompanying notes are an integral part of these consolidated financial statements) Â F-8 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Notes to the Consolidated Financial Statements For the fiscal years ended June 30, 2024 and June 30, 2023 Â 1. Organization and Nature of Operations Â American Battery Technology Company (the â€œCompanyâ€) is a relatively new entrant in the lithium-ion battery industry that is working to increase the domestic U.S. production of battery materials, such as lithium, nickel, cobalt and manganese through its engagement in the exploration of new primary resources of battery metals, in the development and commercialization of new technologies for the extraction of these battery metals from primary resources, and in the commercialization of an internally developed integrated process for the recycling of lithium-ion batteries. Through this three-pronged approach the Company is working to both increase the domestic production of these battery materials, and to ensure that as these materials reach their end of lives that the constituent elemental battery metals are returned to the domestic manufacturing supply chain in a closed-loop fashion. Â The Company was incorporated under the laws of the State of Nevada on October 6, 2011, for the purpose of acquiring rights to mineral properties with the eventual objective of being a producing mineral company. We have a limited operating history and generated our initial revenue in the fourth quarter of fiscal 2024. Our principal executive offices are located at 100 Washington Ave., Suite 100, Reno, Nevada 89503. Â 2. Liquidity and Going Concern Considerations Â During the fiscal year ended June 30, 2024, the Company incurred a net loss of $52.5 million Â and used cash of $16.7 million for operating activities. At June 30, 2024, the Company has an accumulated deficit of $213.3 million. Â The continuation of the Company as a going concern is dependent upon generating profit from its operations and its ability to obtain debt or equity financing. There is no assurance that the Company will be able to generate sufficient profits, obtain such financings, or obtain them on favorable terms, which could limit its operations. Any such financing activities are subject to market conditions. These uncertainties cause substantial doubt about the Companyâ€™s ability to continue as a going concern for 12 months from issuance of these financial statements. These consolidated financial statements do not include any adjustments to the recoverability and classification of recorded asset amounts and classification of liabilities that might be necessary should the Company be unable to continue as a going concern. These adjustments could be material. Â The going concern assessment excludes the Companyâ€™s at-the-market (â€œATMâ€) offering (Note 13), which could provide a source of liquidity. Â Based on our current operating plan, unless we generate income from the operations of our facilities and receipt of cash from U.S. Government grant awards, raise additional capital (debt or equity), it is possible that we will be unable to maintain our financial covenants under our existing Note agreement (Note 11), which, if such violation is not waived, could result in an event of default, causing an acceleration of the outstanding balance. If we do raise additional capital through public or private equity offerings, as opposed to debt or additional Note issuances, the ownership interest of our existing stockholders may be diluted. Â F-9 Â Â 3. Summary of Significant Accounting Policies Â a) Basis of Presentation and Principles of Consolidation Â The consolidated financial statements of the Company have been prepared in accordance with accounting principles generally accepted in the United States (â€œUS GAAPâ€) and are expressed in U.S. dollars. The Companyâ€™s fiscal year end is June 30. Â These consolidated financial statements include the accounts of the Company and its wholly owned subsidiaries, Oroplata Exploraciones E Ingenieria SRL (inactive) and LithiumOre Corporation (formerly Lithortech Resources Inc) and ABMC AG, LLC (inactive). All inter-company accounts and transactions, if any, have been eliminated upon consolidation. Â On September 11, 2023, the Company effected a one-for-fifteen reverse stock split with respect to the issued and outstanding shares of common stock. All share and per-share amounts included in this Form 10-K are presented as if the stock split had been effective from the beginning of the earliest period presented. Â Immaterial Correction of Previously Issued Consolidated Financial Statements Â Subsequent to the issuance of the Companyâ€™s fiscal year 2023 consolidated financial statements, the Company identified errors in the application of Accounting Standards Codification (â€œASCâ€) 710, â€œCompensation-General,â€ and ASC 718, â€œCompensation-Stock Compensation,â€ related to expense recognition for cash and equity awards that are subject to both service and performance conditions. ASC 710 and ASC 718 require recognition of compensation cost once achievement of the performance condition becomes probable as the requisite service is provided. Historically, the Company did not recognize compensation cost for certain cash and equity awards until the performance conditions in the form of milestones were achieved, and for the Companyâ€™s common share warrant performance-based awards, no compensation cost had previously been recognized when the performance conditions either became probable of achievement or were achieved. As the common share warrant and restricted stock unit (â€œRSUâ€) performance-based awards to executive officers and key employees are granted with a fixed dollar value and settled in a variable number of common share warrants or RSUs, these awards are liability-classified until the number of common share warrants or RSUs are fixed, and the corresponding compensation cost should be recorded to current or long-term liabilities, or additional paid-in capital, depending on expected timing of settlement of the award, once the performance conditions become probable of achievement. Â The correction of this error resulted in an increase in compensation cost of $0.9

million as of and for the fiscal year ended June 30, 2023. As certain of these awards are liability-classified, the correction of this error resulted in an increase of $0.3 million in accounts payable and accrued liabilities for the current portion of the awards, and an increase of $0.8 million in additional paid-in capital for the awards where the number of common share warrants or RSUs are fixed as of June 30, 2023. Â The Company has evaluated the effects of the correction detailed in the tables below on the previously issued consolidated financial statements, individually and in the aggregate, in accordance with the guidance in ASC 250, â€œAccounting Changes and Error Corrections.â€ The Company has concluded such corrections to be immaterial to its previously issued consolidated financial statements. While management believes the effect of the error is immaterial to the Companyâ€™s previously issued consolidated financial statements as of and for the year ended June 30, 2023, the financial statement line items impacted by this error have been corrected. Â The tables below reflect the sections of the Companyâ€™s consolidated financial statements that were impacted by the error. Â F-10 Â Â Schedule of Consolidated Financial Statements CONSOLIDATED BALANCE SHEET Â Â Â Â Â Â Â Â Â Â Â Â Â June 30, 2023Â Â Â As ReportedÂ Â AdjustmentsÂ Â As CorrectedÂ Liabilities and Stockholdersâ€™ EquityÂ Current liabilities:Â Â Â Â Â Â Â Â Â Â Â Â Accounts payable and accrued liabilitiesÂ $7,389,864Â Â $345,000Â Â $7,734,864Â Total current liabilitiesÂ Â 13,389,864Â Â Â 345,000Â Â Â 13,734,864Â Total liabilitiesÂ Â 13,444,168Â Â Â 345,000Â Â Â 13,789,168Â Â Â Â Â Â Â Â Â Â Â Â Â Stockholdersâ€™ equityÂ Â Â Â Â Â Â Â Â Â Â Â Additional paid- in capitalÂ $222,626,865Â Â $507,933Â Â $223,134,798Â Accumulated deficitÂ Â (159,973,575)Â Â (852,933)Â Â (160,826,508) Total stockholdersâ€™ equityÂ Â 61,214,484Â Â Â (345,000)Â Â 60,869,484Â Â CONSOLIDATED STATEMENT OF OPERATIONS Â Â Â Â Â Â Â Â Â Â Â Â Fiscal year ended June 30, 2023Â Â Â As ReportedÂ Â AdjustmentsÂ Â As CorrectedÂ Â Â Â Â Â Â Â Â Â Â Operating expensesÂ Â Â Â Â Â Â Â Â Â Â Â General and administrativeÂ $11,960,831Â Â $887,300Â Â $12,848,131Â Research and developmentÂ Â 7,703,895Â Â Â (138,160)Â Â 7,565,735Â ExplorationÂ Â 1,910,548Â Â Â 103,793Â Â Â 2,014,341Â Total operating expensesÂ Â 21,575,274Â Â Â 852,933Â Â Â 22,428,207Â Â Â Â Â Â Â Â Â Â Â Â Â Net loss before other income (expense)Â $(21,575,274)Â $(852,933)Â $(22,428,207) Â Â Â Â Â Â Â Â Â Â Â Â Â Other income (expense)Â Â Â Â Â Â Â Â Â Â Â Â Amortization of financing costsÂ Â Â Â Â Â Â Â Â Â Â Amortization and accretion of financing costsÂ Â Â Â Â Â Â Â Â Â Â Change in fair value of derivative liabilityÂ Â Â Â Â Â Â Â Â Â Â Â Total other income (expense)Â Â Â Â Â Â Â Â Â Â 237,067Â Net lossÂ Â Â Â Â Â Â Â Â Â (21,338,208) Net loss attributable to common stockholdersÂ $(21,338,207)Â $(852,933)Â $(22,191,140) Net loss per share, basic and dilutedÂ $(0.49)Â $(0.02)Â $(0.51) Â CONSOLIDATED STATEMENT OF STOCKHOLDERSâ€™ EQUITY Â Â Â Â Â Â Â Â Â Â Â Â Fiscal year ended June 30, 2023Â Â Â As ReportedÂ Â AdjustmentsÂ Â As CorrectedÂ Stockholdersâ€™ EquityÂ Additional paid-in capital:Â Â Â Â Â Â Â Â Â Â Â Â BalanceÂ Â -Â Â Â -Â Â Â 188,151,484Â Stock-based compensation expenseÂ $9,249,462Â Â $507,933Â Â $9,757,395Â Balance, June 30, 2023Â $222,626,865Â Â $507,933Â Â $223,134,798Â Â Â Â Â Â Â Â Â Â Â Â Â Accumulated deficitÂ Â Â Â Â Â Â Â Â Â Â Net loss for periodÂ $(21,338,207)Â $(852,933)Â $(22,191,140) Balance, June 30, 2023Â Â (159,973,575)Â $(852,933)Â $(160,826,508) Total stockholdersâ€™ equityÂ Â Â Â Â Â Â Â Â Â Â Balance, June 30, 2023Â $61,214,484Â Â $(345,000)Â $60,869,484 Â CONSOLIDATED STATEMENT OF CASH FLOWS Â Â Â Â Â Â Â Â Â Â Â Â Fiscal year ended June 30, 2023Â Â Â As ReportedÂ Â AdjustmentsÂ Â As CorrectedÂ Â Â Â Â Â Â Â Â Â Â Operating ActivitiesÂ Â Â Â Â Â Â Â Â Â Â Â Net loss attributable to common stockholdersÂ $(21,338,207)Â $(852,933)Â $(22,191,140) Â Â Â Â Â Â Â Â Â Â Â Â Â Adjustments to reconcile net loss to net cash used in operating activities:Â Â Â Â Â Â Â Â Â Â Â Stock-based compensationÂ Â 9,249,462Â Â Â 507,933Â Â Â 9,757,395Â Accretion of financing costsÂ Â Â Â Â Â Â Â Â Â Â Â Shares issued for professional servicesÂ Â -Â Â Â -Â Â Â 43,895Â Change in fair value of derivative liabilityÂ Â Â Â Â Â Â Â Â Â Â Changes in operating assets and liabilities:Â Â Â Â Â Â Â Â Â Â Â Accounts payable and accrued liabilitiesÂ $(187,796)Â $345,000Â Â $157,204Â Â Â Â Â Â Â Â Â Â Â Â Â Net cash used in operating activitiesÂ $(13,367,980)Â $-Â Â $(13,367,980) Â F-11 Â Â b) Use of Estimates Â The preparation of these consolidated financial statements in conformity with US GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting periods. The Company regularly evaluates estimates and assumptions related to the fair value of stock-based compensation, useful lives of fixed assets, valuation and recoverability of long-lived assets and intangible assets, fair value less cost to sell of assets held-for-sale, and deferred income tax asset valuation allowances. Â The Company bases its estimates and assumptions on current facts, historical experience, and various other factors that it believes to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities and the accrual of costs and expenses that are not readily apparent from other sources. The actual results experienced by the Company may differ materially and adversely from the Companyâ€™s estimates. To the extent there are material differences between the estimates and the actual results, future results of operations may be affected. Â c) Cash and Cash Equivalents Â The Company considers all short-term investments with an original maturity of three months or less when purchased to be cash equivalents. The Company did not have any cash equivalents as of June 30, 2024 and 2023. Â d) Inventory Â Inventory is stated at the lower of cost or market (net realizable value). The Company performs an assessment of the recoverability of capitalized inventory during each reporting period and writes down any excess and obsolete inventories to their net realizable value in the period in which the impairment is first identified. Â e) Long-lived Assets Â Long-lived assets, such as property and equipment, mineral properties, and purchased intangibles, are evaluated for impairment whenever events or changes in circumstances indicate that the carrying amount of the asset may not be recoverable in accordance with ASC 360, â€œProperty, Plant, and Equipment.â€ Circumstances which could trigger a review include, but are not limited to: significant decreases in the market price of the asset; significant adverse changes in the business climate or legal factors; accumulation of costs significantly in excess of the amount originally expected for the acquisition or construction of the asset; current period cash flow or operating losses combined with a history of losses or a forecast of continuing losses associated with the use of the asset; and current expectation that the asset will more likely than not be sold or disposed significantly before the end of its estimated useful life. The Companyâ€™s long-lived assets consist of buildings, vehicles, equipment, and land. Buildings, vehicles and equipment are depreciated on a straight-line basis over their estimated value lives, which are as follows: Â Schedule of Estimated Value Lives BuildingsÂ Â 39 yearsÂ Building improvementsÂ Â 15 yearsÂ Equipment & vehiclesÂ Â 5 yearsÂ Â The recoverability of assets is measured by a comparison of the carrying amount of an asset to estimated undiscounted future cash flows expected to be generated by an asset. If the carrying amount of an asset exceeds its estimated future cash flows, an impairment charge is recognized as the amount by which the carrying amount exceeds the estimated fair value of the asset. The estimated fair value is determined using a discounted cash flow analysis or comparable market values. Any impairment in value is recognized as an expense in the period when the impairment occurs. The Company took an impairment loss on assets it has decided to sell and are classified as held-for-sale. The impairment loss was recorded in the fiscal ended June 30, 2024 and is related to certain assets comprised primarily of land and a building at the Fernley, Nevada location. No other impairment charges were recorded in the fiscal years ended June 30, 2024 and 2023. Â Expenses for major repairs and maintenance which extend the useful lives of property and equipment are capitalized. All other maintenance expenses, including planned major maintenance activities, are expensed as incurred. Gains or losses from property disposals are included in income or loss from operations. Â f) Leases Â The Company accounts for its leases under ASC 842, â€œLeases.â€ Under this guidance, arrangements meeting the definition of a lease are classified as operating or financing leases and are recorded on the consolidated balance sheets as both a right-of-use asset and lease liability, calculated by discounting fixed lease payments over the lease term at the rate implicit in the lease or the Companyâ€™s incremental borrowing rate. Lease liabilities are increased by interest and reduced by payments each period, and the right-of-use assets are amortized over the lease term. For operating leases, interest on the lease liability and the amortization of the right-of-use asset result in straight-line expense over the lease term. Variable lease expenses, if any, are recorded when incurred. Â In calculating the right-of-use assets and lease liabilities, the Company elected the practical expedient to combine lease and non-lease components. Additionally, the Company excludes short-term leases having initial terms of 12 months or less as an accounting policy election and recognizes rent expense on a straight-line basis over the lease term. Â F-12 Â Â g) Mining Properties Â Costs of lease, exploration, carrying and retaining unproven mineral properties are expensed as incurred. The Company expenses all mineral exploration costs as incurred as it is still in the exploration stage. If the Company identifies proven and probable reserves in its investigation of its properties and upon development of a plan for operating a mine, it will enter the development stage and capitalize future costs until production is established. When a property reaches the production stage, the related capitalized costs are amortized on a units-of-production basis over the proven and probable reserves following the commencement of production. Interest expense, if any allocable to the cost of developing mining properties and to construct new facilities, is capitalized until assets are ready for their intended use. For the fiscal years ended June 30, 2024 and 2023, no interest expense was capitalized. Â To date, the Company has not established the commercial feasibility of any exploration prospects; therefore, all exploration costs are being expensed. Â ASC 930-805, â€œExtractive Activities-Mining: Business Combinations,â€ states that mineral rights consist of the legal right to explore, extract, and retain at least a portion of the benefits from mineral deposits. Mining assets include mineral rights which are considered tangible assets under ASC 930-805. ASC 930-805 requires that mineral rights be recognized at fair value as of the acquisition date. As a result, the direct costs to acquire mineral rights are initially capitalized as tangible assets. Mineral rights include costs associated with acquiring patented and unpatented mining claims. Â h) Intangible Assets Â Intangible assets consist of water rights that have indefinite useful lives and are tested annually for impairment, or more frequently if events and circumstances indicate that the asset might be impaired. An impairment loss is recognized to the extent that the carrying amount of the asset group exceeds its fair value. Annually, or when there is a triggering event, the Company first performs a qualitative assessment by evaluating all relevant events and circumstances to determine if it is more likely than not that the indefinite-lived intangible assets are impaired; this includes considering any potential effect on significant inputs to determining the fair value of the indefinite-lived intangible assets. When it is more likely than not that an indefinite-lived intangible asset is impaired, then the Company calculates the fair value of the intangible asset and performs a quantitative impairment test. The Company performs its annual impairment test on June 30. No impairment charges for intangible assets were recorded in the fiscal year ended June 30, 2024 and 2023. Â i) Assets Held-For-Sale Â The Company classifies assets as held-for-sale (â€œdisposal groupâ€) in the period when all of the relevant criteria to be classified as held for sale are met. These criteria include managementâ€™s commitment to sell the disposal group in its present condition and the sale being deemed probable of being completed within one year. Assets held for sale are reported at the lower of their carrying value or fair value less cost to sell. The fair values of disposal groups are estimated using accepted valuation techniques, including indicative listing prices. The Company considers historical experience, guidance received from third parties, and all information available at the time the estimates are made to derive fair value. Any loss resulting from the measurement is recognized in the period when the held for sale criteria are met. The Company assesses the fair value of a disposal group, less any costs to sell, each reporting period it remains classified as held for sale and reports any subsequent changes as an adjustment to the carrying value of the disposal group, as long as the new carrying value does not exceed the initial carrying value of the disposal group. Assets held-for-sale are not amortized or depreciated. Â j) Accrued Claims and Contingencies Â The Company is subject to various claims and contingencies related to lawsuits. A liability is recorded for claims, legal costs or other contingencies when the risk of loss is probable and reasonable estimable. The required reserves may change due to new developments in each period. Â k) Convertible Notes Â The Company evaluates all conversion, repurchase and redemption features contained in a debt instrument to determine if there are any embedded features that require bifurcation as a derivative. The Company accounts for its convertible notes as a long-term liability, with the current portion reclassified to a short-term liability, equal to the proceeds received from issuance, including any embedded conversion features, net of the unamortized debt discount and offering costs in the accompanying unaudited condensed consolidated balance sheets. The debt discount, debt issuance and offering costs are amortized over the term of the convertible notes, using the effective interest method, as interest expense in the accompanying consolidated statements of operations. Â l) Derivative Financial Instruments Â The Company evaluates its financial instruments to determine if such instruments are derivatives or contain features that qualify as embedded derivatives in accordance with ASC 815, â€œDerivatives and Hedgingâ€. For derivative financial instruments that are accounted for as liabilities, the derivative instrument is initially recorded at its fair value on the issuance date and is then re-valued at each reporting date, with changes in the fair value reported in earnings in the consolidated statements of operations. Â F-13 Â Â m) Fair Value of Financial Instruments Â Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. Fair value is an exit price concept that assumes an orderly transaction between willing market participants and is required to be based on assumptions that market participants would use in pricing an asset or a liability. Current accounting guidance establishes a three-tier fair value hierarchy as a basis for considering such assumptions and for classifying the inputs used in the valuation methodologies. This hierarchy requires entities to maximize the use of observable inputs and minimize the use of unobservable inputs. The three levels of inputs used to measure fair values are as follows: Â Level 1: Quoted prices (unadjusted) in active markets for identical assets and liabilities that the reporting entity can assess at the measurement date. Â Level 2: Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly. Â Level 3: Unobservable inputs for the asset or liability which include the Companyâ€™s assumptions regarding the data market participants would use in pricing the asset or liability based on the best information available under the circumstances. Â The carrying values of the Companyâ€™s cash, accounts receivable, prepaid expenses and deposits, notes payable, accounts payable and accrued liabilities approximates fair value due to their short maturities. Â The Companyâ€™s recurring fair value measurements include the valuation of the derivative liability for the bifurcated notes payable freestanding call option. See Note 11 for relevant fair value disclosures. Given use of unobservable inputs, there is inherently uncertainty that the inputs could reasonably have been different as of the reporting date. Â The Companyâ€™s non-recurring fair value measurements include the valuation of the assets held-for-sale as of June 30, 2024. See Note 7 for relevant fair value disclosures. Â n) Revenue Recognition Â The Companyâ€™s initial revenues were recorded in the fourth quarter of fiscal year 2024 and were generated from the operation of the lithium-ion battery recycling plant. The Company follows the five-step approach to revenue recognition in accordance with ASC 606, â€œRevenue from Contracts with Customers:â€ Â Step 1: Identify the contract(s) with a customer Step 2: Identify the performance obligations in the contract Step 3: Determine the transaction price Step 4: Allocate the transaction price to the performance obligations in the contract Step 5: Recognize revenue when (or as) the entity satisfies a performance obligation Â The Company recognizes revenue from the sale of black mass and services for recycling lithium-ion batteries which includes coordination of logistics and destruction of batteries. Revenue is measured based on the consideration to which the Company expects to be entitled under a contract with a customer. The Company recognizes revenue when it transfers control of a product or service to a customer as outlined in the contractual terms. The Company has elected the practical expedient to not recognize a financing component when payment is expected within one year of satisfaction of the performance obligation. Payment terms are typically 30 days or less. Â For sale of products, revenue is recognized when control of the goods has transferred, typically when the goods have been transferred to the customer. A receivable is recognized by the Company when the goods are transferred to the customer as this represents the point in time at which the right to consideration becomes unconditional, as only the passage of time is required before payment is due. Recycling service revenue is recognized at a point in time either upon receipt of the batteries from the customers or upon completion of the services. The price for services is separately identifiable within each contract. Â Bill and Hold Arrangements Â As of June 30, 2024, the Company has entered into bill and hold arrangements with a certain customer. Under these arrangements, the Company recognizes revenue at the time of billing, even though the physical transfer of goods has not yet occurred. The following criteria are met to recognize revenue under a bill and hold arrangement: Â Â 1. The goods are identified separately as belonging to the customer: The goods are segregated and set aside for the customer. Â 2. The goods are ready for physical transfer: The goods are completed and ready for shipment, but the customer has requested that they be held for a specified period. Â 3. The arrangement is substantive: The customer has requested the arrangement and the agreement specifies the terms for delivery and billing. Â 4. The risks and rewards of ownership have been transferred: The customer has assumed the risks and rewards of ownership even though the goods are not yet physically transferred. This is typically demonstrated through the customerâ€™s commitment to pay and the assurance that the goods will not be returned. Â In the ordinary course of business, the Company may have consideration payable to customers in relation to recycling services in the form of battery feedstock purchases, which is recognized in the cost basis of the inventory and is not netted against revenues. Â F-14 Â Â o) Cost of Goods Sold Â Cost of goods sold is primarily comprised of direct materials and supplies consumed in the manufacturing of product, as well as manufacturing labor, depreciation expense, repair and maintenance expense and direct and indirect overhead expenses associated with manufacturing product for sale. Â p) Exploration Costs Â Mineral property acquisition costs are capitalized as incurred. Exploration and evaluation costs are expensed as incurred until proven and probable reserves are established. The Company assesses the carrying costs for impairment under ASC 360, â€œProperty, Plant, and Equipment,â€ at each period end. When it has been determined that a mineral property can be economically developed as a result of establishing proven and probable reserves, the costs then incurred to develop such property are capitalized on a prospective basis. Such costs will be amortized using the units-of-production method over the estimated life of the probable reserve. If mineral properties are subsequently abandoned or impaired, any capitalized costs will be charged to operations. As of June 30, 2024 and 2023, the Company has not capitalized any such mineral property costs. Â q) Research and Development Costs Â Research and development (â€œR&Dâ€) costs are accounted for in accordance with ASC 730, â€œResearch and Development.â€ ASC 730-10-25 requires that all R&D costs be recognized as an expense as incurred. However, some costs associated with R&D activities that have an alternative future use (e.g., materials, equipment, facilities) may be capitalizable. As of June 30, 2024, no costs associated with R&D activities have been capitalized. Â The Company has been awarded U.S. federal grant awards for specific R&D programs. Under Accounting Standards Update (â€œASUâ€) No. 2021-10, â€œGovernment Assistance,â€ the Company recognizes invoiced government funds as an offset to R&D costs in the period the qualifying costs are incurred. As the federal grants receivable are not deemed to have any significant realization risk, the Company believes this best reflects the expected net expenditures associated with these programs. Â r) Stock-based Compensation Â The Company records stock-based compensation in accordance with ASC 718, â€œCompensation-Stock Compensation,â€ using the fair value method. All transactions in which goods or services are the consideration received for the issuance of equity instruments are accounted for based on the fair value of the consideration received or the fair value of the equity instrument issued, whichever is more reliably measurable. Equity instruments issued to employees and the cost of the services received as consideration are measured and recognized based on the fair value of the equity instruments issued. The Company utilizes the Black Scholes method when calculating stock-based compensation expense relating to stock option awards and warrants. Â The table below sets forth the assumptions used on the date of grant for estimating the fair value of options granted during the fiscal years ending June 30: Â Â Schedule of Estimated Fair Value Â Â 2024Â Â 2023Â Weighted average expected term (years)Â Â 3.00 - 5.00Â Â Â 5.00Â Risk-free interest rateÂ Â 4.31% - 4.62%Â Â 4.33% Dividend yieldÂ Â 0%Â Â 0% VolatilityÂ Â 95.85% - 135.46%Â Â 140.61% Â The Company records the stock-based compensation expense attributed to share awards in accordance with US GAAP using the graded-vesting method. The Company amortizes the grant date fair value over the respective vesting period, beginning with recognition on the date of grant. Compensation in the form of warrants is limited to executives, and recorded as a liability until the warrant is exercised or expires. Executives may also receive compensation in the form of RSUs that are recorded as a liability until the award is settled in shares of common stock. The liability classification of these awards is based on the total value of the award granted at a fixed value but settled in a variable number of warrants or RSUs until the performance milestones are achieved and the warrants or RSUs are issued. Â Â s) Income

Taxes Â The Company accounts for income taxes using the asset and liability method in accordance with ASC 740, â€œIncome Taxes.â€ The asset and liability method provides that deferred tax assets and liabilities are recognized for the expected future tax consequences of temporary differences between the financial reporting and tax bases of assets and liabilities, and for operating loss and tax credit carry-forwards. Â Deferred tax assets and liabilities are measured using the currently enacted tax rates and laws that will be in effect when the differences are expected to reverse. The Company records a valuation allowance to reduce deferred tax assets to the amount that is believed more likely than not to be realized. Â Any uncertain tax position liabilities have been applied against the deferred tax balance given that there is a sufficient net operating loss to cover any penalties and fees associated with the uncertain tax position. The Company assesses each of its identified uncertain positions and determines whether any potential penalties and interest liability should be accrued at the consolidated balance sheet dates. Interest and penalties accrued on unrecognized tax benefits are included within income tax expense in the consolidated financial statements. Â Due to the Companyâ€™s net loss position since inception, the likelihood of deferred tax assets being realized does not meet the more likely than not assessment guidelines. Accordingly, a valuation allowance equal to the deferred tax asset has been recorded at June 30, 2024 and 2023. Â F-15 Â Â t) Loss per Share Â The Company computes net income (loss) per share in accordance with ASC 260, â€œEarnings per Share.â€ ASC 260 requires presentation of both basic and diluted earnings per share (â€œEPSâ€) on the face of the consolidated statement of operations. Basic EPS is computed by dividing net income (loss) available to common shareholders (numerator) by the weighted average number of shares outstanding (denominator) during the period. Diluted EPS gives effect to all dilutive potential common shares outstanding during the period using the treasury stock method and convertible preferred stock using the if-converted method. In computing diluted EPS, the average stock price for the period is used in determining the number of shares assumed to be purchased from the exercise of stock options, warrants and awards. Diluted EPS excludes all dilutive potential shares if their effect is anti-dilutive. As the Company has reported losses for all periods presented, all potentially dilutive securities are anti-dilutive, and accordingly, basic net loss per share equaled diluted net loss per share Â The Company had the following potentially dilutive shares outstanding as of June 30: Â Schedule of Potentially Dilutive Shares Outstanding Â Â 2024Â Â 2023Â Convertible notesÂ Â 769,342Â Â Â -Â WarrantsÂ Â 6,928,758Â Â Â 5,729.360Â Share awards outstandingÂ Â 3,428,604Â Â Â 1,736,376Â Total potentially dilutiveÂ Â 11,126,704Â Â Â 7,465,736Â Â u) Government Grant and Tax Credit Awards Â For government grants, the Company recognizes a benefit in the consolidated statements of operations, as a reduction to the expense for which the individual government grant is designed to compensate, over the duration of the program when the Company has reasonably assurance that it will comply with the conditions under the grant and that the grant will be received. Grants related to investments in property and equipment are recognized as a reduction to the cost basis of the underlying assets with an ongoing reduction to depreciation expense over the assetsâ€™ estimated useful life. Â v) Segments Â The Company operates as one segment. The Companyâ€™s chief operating decision maker (â€œCODMâ€) is its Chief Executive Officer, who reviews financial information for purposes of making operating decisions, assessing financial performance, and allocating resources. The Companyâ€™s CODM evaluates financial information on a consolidated basis. As the Company operates as one operating segment, all required segment financial information is found in the consolidated financial statements. Â w) Reclassifications Â Certain prior period amounts in the consolidated financial statements and notes thereto have been reclassified to conform to current period presentation. These reclassifications had no significant effect on the result of operations or financial position for any period presented. Â x) Accounting Pronouncements Â In November 2023, the FASB issued ASU 2023-07, â€œSegment Reporting (Topic 280): Improvements to Reportable Segment Disclosures.â€ The amendment in this update expands segment disclosures by requiring disclosures about significant segment expenses that are regularly provided to the chief operating decision maker and included within each reported measure of segment profit or loss, an amount and description of its composition for other segment items, and interim disclosures of a reportable segmentâ€™s profit or loss and assets. This update is effective for our annual report for fiscal year 2025, for interim period reporting beginning in fiscal year 2026, with early adoption permitted, and will be applied retrospectively to all prior periods presented in the consolidated financial statements. We are currently evaluating the timing of adoption and the impact of this ASU on our consolidated financial statements and related disclosures. Â In December 2023, the FASB issued ASU 2023-09, â€œIncome Taxes (Topic 740): Improvement to Income Tax Disclosures.â€ The amendments further enhance income tax disclosures, primarily through standardization and disaggregation of rate reconciliation categories and income taxes paid by jurisdiction. This ASU is effective for our annual report for fiscal year 2026, with early adoption permitted, and should be applied either prospectively or retrospectively. The Company is currently evaluating the timing of adoption and impact of this ASU on our consolidated financial statements and related disclosures. Â Â 4. Inventories Â The Companyâ€™s inventory for its lithium-ion battery recycling operation is comprised of raw materials, in the form of battery feedstock, and finished goods, in the form of black mass and other metals. Inventory is valued at the lower of average cost or net realizable value. The net carrying value of inventory includes those costs to acquire battery feedstock and any related carrying and processing costs incurred by the Company. Â The table below presents the components of inventory as of June 30: Â Schedule of Inventories Â Â 2024Â Â 2023Â Raw materialsÂ $66,088Â Â $125,204Â Finished goodsÂ Â 88,232Â Â Â -Â TotalÂ $154,320Â Â $125,204Â Â Â 5. Government Grant and Tax Credit Awards Â Grants receivable represent qualifying costs incurred where there is reasonable assurance that the conditions of the grant have been met but the corresponding funds have not been received as of the reporting date. As collections from the federal government have been and are expected to continue to be timely, no allowance for doubtful accounts has been established. If amounts become uncollectible, they will be charged to operations. Grants receivable was $0.2 million and $0.3 million as of June 30, 2024 and 2023, respectively. The Company recognizes invoiced government funds as an offset to R&D costs in the period the qualifying costs were incurred. Grants related to investments in property and equipment are recognized as a reduction to the cost basis of the underlying assets with an ongoing reduction to depreciation expense over the assetsâ€™ estimated useful life. Â On January 20, 2021, the U.S. Department of Energy (â€œDOEâ€) announced that the Company had been selected for award negotiation for a three-year project with a total budget of $4.5 million for the field demonstration of its selective leaching, targeted purification, and electro-chemical production of battery grade lithium hydroxide from domestic claystone resources technology. Through this grant award the Company is eligible to receive reimbursement of up to 50% of eligible expenditures, or up to $2.3 million. The prime agreement contract for this grant was issued with a project start date of October 1, 2021. The Company began receiving funds related to this award during the fiscal year ending June 30, 2022. As of June 30, 2024, the cumulative funds invoiced for this grant totaled $1.7 million, which represents 73% of the total eligible reimbursements. Â On August 16, 2021, the Company received a contract award for a 30-month project with a total budget of $2.0 million from the United States Advanced

Battery Consortium as part of a competitively bid project, through which the Company will receive reimbursement for up to $0.5 million of eligible expenditures. The objective of the contract award is for the commercial-scale development and demonstration of an integrated lithium-ion battery recycling system, the production of battery cathode grade metal products, the synthesis of high energy density active cathode material from these recycled battery metals, and the fabrication of large format automotive battery cells from these recycled materials and the testing of these cells against otherwise identical cells made from virgin sourced metals. The Company began receiving funds related to this award during the fiscal year ending June 30, 2023. As of June 30, 2024, the cumulative funds invoiced for this grant totaled $0.5 million, which represents 97% of the total eligible reimbursements. Â On October 21, 2022, the U.S. DOE announced that the Company had been selected for award negotiation for a five-year project with a total budget of $115.5 million to design, construct, and commission a first-of-kind lithium hydroxide refinery using Nevada-based claystone as the feedstock to expand domestic manufacturing of battery grade lithium hydroxide for lithium-ion batteries for electric vehicles, with a focus on domestic processing of materials and components that are currently imported from foreign countries. Through this grant award the Company is eligible to receive reimbursement of up to 50% of eligible expenditures, up to $57.7 million. The prime agreement contract for this grant was issued with a project start date of September 1, 2023. The Company began receiving funds related to this award during the period ending December 31, 2023. As of June 30, 2024, the cumulative funds invoiced for this grant totaled $1.7 million, which represents 3% of the total eligible reimbursements. Â On November 17, 2022, the U.S. DOE announced that the Company had been selected for award negotiation for a three-year project with a total budget of $20.0 million to demonstrate and commercialize next generation techniques for its lithium-ion battery recycling processes to produce low-cost and low-environmental impact domestic battery materials. Through this grant award the Company is eligible to receive reimbursement of up to 50% of eligible expenditures, up to $10.0 million. The prime agreement contract for this grant was issued with a project start date of October 1, 2023. The Company began receiving funds related to this award during the period ending December 31, 2023. As of June 30, 2024, the cumulative funds invoiced for this grant totaled $0.6 million, which represents 6% of the total eligible reimbursements. Â F-16 Â Â On March 28, 2024, the Company was selected for a tax credit for up to $19.5 million through the Qualifying Advanced Energy Project Credits program (â€œ48Câ€). This tax credit was granted by the U.S. Department of Treasury Internal Revenue Service following a highly competitive technical and economic review process performed by the DOE, which evaluated the feasibility of applicant facilities to advance Americaâ€™s buildout of globally competitive critical material recycling, processing, and refining infrastructure. This tax credit provides up to a 30% credit on investments to build production facilities for advances in technology and may be utilized both for the reimbursement of capital expenditures spent to date at the Companyâ€™s battery recycling facility in the Tahoe-Reno Industrial Center (â€œTRICâ€) in McCarran and future build out of additional phases of our production capabilities at this facility. As of June 30, 2024, the Company has incurred qualifying expenditures for this tax credit but will not recognize any amounts until it has reasonable assurance of compliance with the relevant standards. Â Also on March 28, 2024, the Company was selected for an additional tax credit of up to $40.5 million through the 48C program, which may be used in support of the design and construction of a new commercial battery recycling facility to be located in the United States. As of June 30, 2024, the Company has not incurred any qualifying expenditures towards this tax credit. Â The table below summarizes the effects of government grants on the consolidated financial statements for the fiscal years ended June 30: Schedule of Effects of Government Grants Â Â 2024Â Â 2023Â Reductions to research and development costsÂ $(2,317,987)Â $(902,525) Reductions to property and equipment costsÂ Â (1,025,347)Â Â -Â Total cost reductions due to grant reimbursements receivedÂ $(3,343,334)Â $(902,525) Â 6. Other Deposits Â On March 1, 2023, the Company and Linico Corporation (â€œLinicoâ€) entered into an Asset Purchase Agreement (â€œAPAâ€) whereby the Company acquired specific tangible equipment and personal property for an aggregate purchase price of $6.0 million. Contemporaneously with the signing of the APA, the Company and Linico entered into another agreement, the Membership Interest Purchase Agreement (â€œMIPAâ€), whereby the Company would acquire 100% of the membership interests in Aqua Metals Transfer, LLC, principally real property consisting of land and a building in the Tahoe-Reno Industrial Center (â€œTRICâ€) at 2500 Peru Drive, McCarran, Nevada, for an aggregate purchase price of $21.6 million. Â On June 30, 2023, the Company and Linico entered into an amendment to the MIPA. Pursuant to the terms of the amended agreement, the parties agreed to (i) remove the requirement that $1.5 million of the purchase price be held in escrow for the settlement of indemnification claims, (ii) transfer back to the Company 128,206 common shares, previously issued by the Company, in exchange for the elimination of such indemnification escrow, (iii) add a purchase price adjustment to the extent that, as of four months after the registration statement on Form S-3 filed by the Company is declared effective by the SEC, the value of the portion of the purchase price comprised of shares does not equal at least $6.0 million, (iv) provide for an interim water rights agreement through the final purchase price payment date, (iv) advance the closing date to as soon as practicable after the declaration of effectiveness of the resale registration statement on Form S-3, and (v) remove the deadline to close the acquisition by June 30, 2023. The purchase was finalized on August 11, 2023 at which time the aggregate total of $27.6 million from both agreements above was bifurcated between both real and personal property assets. Â 7. Property and Equipment Â The table below presents the property, plant and equipment as of June 30: Â Schedule of Property and EquipmentÂ Â Â 2024Â Â 2023Â LandÂ $8,860,916Â Â $6,728,838Â BuildingÂ Â 24,867,784Â Â Â 17,508,486Â Equipment and vehiclesÂ Â 14,313,970Â Â Â 5,870,496Â Â TotalÂ Â 48,042,670Â Â Â 30,107,820Â Less: accumulated depreciationÂ Â (1,727,704)Â Â (161,721) Property and equipment, netÂ $46,314,966Â Â $29,946,099Â Â The Company recognized depreciation expense of $1.7 million and $0.1 million during the fiscal years ended June 30, 2024 and 2023, respectively. Â On August 11, 2023, the Company finalized the purchase of its commercial-scale battery recycling facility located in the TRIC, as indicated in Note 6. At that time, the aggregate total of $27.6 million in deposits was reclassified to Property and Equipment. The Company has installed additional equipment on site to accelerate the first commercial scale implementation of its internally developed lithium-ion battery recycling technologies. Â During the fourth quarter of fiscal 2024, the Company approved a plan to sell certain assets comprised primarily of land and a building from our Fernley location. The Company made this decision due to the acquisition of the Peru facility that would accelerate our time to production and commercialization. The assets located at Fernley had a carrying amount of $18.6 million and water rights with a carrying amount of $0.1 million. These assets have been classified as held-for-sale as of June 30, 2024 and are expected to be sold within the next twelve months. The Company recorded an impairment charge on the assets held-for-sale of $10.3 million for the fiscal year ended June 30, 2024. The fair value of the assets held-for-sale is classified within Level 3 of the fair value hierarchy and was determined based on indicative market listing prices of the assets. Â F-17 Â Â 8. Mining Properties Â On July 21, 2022, the Company exercised the option to purchase the rights to unpatented lode claims in Tonopah, Nevada. Since that time, the Company has worked with third parties to conduct drill programs and analysis to verify the grade and continuity of the mining claims. Over 50% of the inferred mineral resources have been upgraded to measured and indicated classifications. The Company is still in the exploration stage and expenses all mineral exploration costs. If the Company identifies proven and probable reserves and develops an economic plan for operating a mine, it will enter the development stage and capitalize future costs until production is established. Â On July 22, 2023, the Company began a third exploration program to advance its Tonopah Flats Lithium Project. This drill program includes core infill and step out drilling to support the evolution of its domestic resource with the goal of upgrading to a â€˜measured and indicatedâ€™ resource classification. The Company selected and engaged KB Drilling for the collection of infill and step out samples for this latest drill program, which consists of sample collections from eight additional drill holes and includes 6,500 feet of total drilling. Â In December 2023, the Company entered into a vacant land offer and acceptance agreement for the Companyâ€™s acquisition of certain mineral patents totaling $0.2 million which was capitalized to mining properties. Â On April 24, 2024, the Company announced the completion of the â€œAmended Resource Estimate and Initial Assessment with Project Economics for the Tonopah Flats Lithium Project, Esmeralda and Nye Counties, Nevada, USAâ€ (â€œAmended IAâ€) and the publication of the S-K 1300 Technical Report Summary (â€œTRSâ€) disclosing mineral resources, including an initial economic assessment, for the Tonopah Flats Lithium Project. The TRS was completed by RESPEC Company LLC, a qualified person, in compliance with Item 1300 of Regulation S-K and with an effective date of April 5, 2024. Â 9. Intangible Assets Â On September 12, 2023, the Company acquired approximately 40.52-acre feet of water rights from the Thomas C. Woodward Living Trust, valued at $0.1 million. The water rights are treated in accordance with ASC 350, â€œIntangible Assets,â€ and have an unlimited useful life subject to beneficial use. Â The Companyâ€™s acquisition of the commercial-scale battery recycling facility at the TRIC included water rights valued at $0.7 million and are described as an eighteen and forty-five one-hundredths (18.45) acre-foot/annually portion of the Truckee-Carson Irrigation District, Serial Number 1081-A-1. These have an unlimited useful life upon assignment to a property through use of a will-serve, which has no expiration date. Â As of June 30, 2024, the Company allocated $0.1 million of water rights to assets held-for-sale at our Fernley location and are included in the impairment charge discussed in Note 7 above. Â The table below presents total intangible assets at: Â Schedule of Intangible Assets Â Â June 30, 2024Â Â June 30, 2023Â Water rightsÂ $4,519,038Â Â $3,851,899Â Â Â 10. Accounts Payable and Accrued Liabilities Â The table below presents total accounts payable and accrued liabilities at: Â Schedule of Accounts Payable and Accrued Liabilities Â Â June 30, 2024Â Â June 30, 2023Â Trade payablesÂ $4,255,398Â Â $1,831,686Â Accrued fixed assetsÂ Â 996,970Â Â Â 4,404,034Â Accrued expensesÂ Â 2,244,265Â Â Â 1,377,660Â Marketing agreement settlement (Note 19)Â Â 1,800,000Â Â Â -Â Right-of-use liability, currentÂ Â 54,304Â Â Â 121,484Â Total accounts payable and accrued liabilitiesÂ $9,350,937Â Â $7,734,864Â Â As of June 30, 2024, the Company had no supplier that accounted for greater than 10% of the total accounts payable and accrued liabilities balance. As of June 30, 2023, the Company had a significant construction supplier that accounted for 28% of the total accounts payable and accrued liabilities balance. On July 3, 2024, the Company entered into a settlement agreement related to a marketing agreement executed in May of 2023 with Mercuria Energy America, LLC. Under the terms of the Settlement Agreement, the Company agreed to make six monthly payments to Mercuria Energy of $0.3 million. The total amount of the settlement is $1.8 million and broken out in the table above. Â F-18 Â Â 11. Notes Payable Â On May 17, 2023, the Company entered into a Credit Agreement (the â€œCredit Agreementâ€) with Mercuria Investments US, Inc. for pre-payment on the purchase of the Companyâ€™s recycled battery metal products. As such, inventory serves as collateral for outstanding balances. The Credit Agreement provides for an aggregate loan amount of up to $20.0 million, comprised of (i) an initial term loan in the aggregate principal amount of $6.0 million and (ii) delayed draw term loan commitments in an aggregate amount equal to $14.0 million. Borrowings under the Credit Agreement carry interest calculated as the secured overnight financing rate published on the Federal Reserve Bank of New Yorkâ€™s website, plus the applicable credit spread adjustment, based on the elected interest period, plus an applicable margin rate of 6%. The agreement contains provisions that allow the Company to remit principal and interest payments via future delivery of its initial recycling byproduct, black mass. Â On August 30, 2023, the Company caused the repayment in full of all indebtedness, liabilities and other obligations under, and terminated, its former credit agreement, dated as of May 17, 2023 by and among the Company, as Borrower, and Mercuria Investments US, Inc., as Agent. The Company did not incur any material early termination penalties because of such termination of the credit agreement. Â On August 29, 2023, the Company and High Trail (the â€œBuyersâ€) entered into a Securities Purchase Agreement (the â€œPurchase Agreementâ€), pursuant to which the Company sold to the Buyers up to $51.0 million of a new series of senior secured convertible notes (the â€œNotesâ€). To date, $25.0 million has been received and $18.0 million has been repaid. The remaining $26.0 million under the facility includes $13.5 million with the condition that the Company started trading on the Nasdaq Capital Market, had $250,000 in sales, and establish an ATM or ELOC, and another $12.5 million at the discretion of the Buyers. Buyers may request partial redemptions of up to an aggregate of $1.8 million on the 15th of each month or may convert the Notes into shares of common stock of the Company at a conversion rate of 110% of the last reported sales price on the date of the agreement to acquire such Notes. The Notes bear zero coupon with an effective interest rate of 14.31%, mature on September 1, 2025, require a minimum of $5.0 million maintained in cash and cash equivalents, and are secured by certain real property and cash and investment accounts of the Company. Â The Company analyzed the conversion features of the Notes for derivative accounting considerations under ASC 815-15, â€œDerivatives and Hedging,â€ and determined a freestanding call option should be bifurcated and separately accounted for as a derivative liability. Accordingly, the derivative liability is carried at fair value at each reporting date with the corresponding gain or loss reflected in earnings in the condensed consolidated statements of operations. See Correction of Previously Issued Consolidated Financial Statements in Note 3. The Company determined the derivative liability to have a fair value of $0.4 million at issuance of the Notes. For the fiscal year ended June 30, 2024, the Company recorded a loss on the change in fair value of the derivative liability of $0.3 million. As of June 30, 2024, the fair value of the derivative liability was $0.7 million. The fair value of the derivative liability is classified within Level 3 of the fair value hierarchy and was determined using the Black-Scholes option pricing model with assumptions as of June 30, 2024 including a volatility of 78.1% and a risk-free-rate of 4.96%. Â Note discount and issuance costs totaled $5.1 million and reduced the carrying value of the Notes as a debt discount. The carrying value, net of debt discount and issuance costs, is being accreted over the term of the Notes from date of issuance to date of full repayment, expected to be in October 2024 based on partial redemption payments, using the effective interest rate method. For the fiscal year ended June 30, 2024, amortization of debt discount and issuance costs totaled $3.8 million. Â The table below presents the net carrying amounts of the Notes as of June 30, 2024: Â Schedule of Net Carrying Amounts of the Notes Â Â Â Â Â Principal outstandingÂ $7,083,333Â Unamortized debt discount and issuance costsÂ Â (1,341,156) Derivative liability associated with convertible notesÂ Â 366,298Â Changes in fair market value of derivative liabilityÂ Â 338,886Â Net carrying valueÂ $6,447,361Â Â The table below presents the maturities of notes payable as of June 30, 2024: Â Schedule of Maturities of Notes Payable Â Â Â Â Â Fiscal year ended June 30, 2025Â $7,083,333Â Fiscal year ended June 30, 2026Â Â -Â Total note paymentsÂ Â 7,083,333Â Less: unamortized debt discount and issuance costsÂ Â (1,341,156) Derivative liability, at fair value, less amortizationÂ Â 705,184Â Total notes payableÂ $6,447,361Â Â Â Â Â Â Notes payable, currentÂ $6,447,361Â Notes payable, non-currentÂ $-Â Â Â F-19 Â Â 12. Leases Â The Company occupies office facilities under lease agreements that expire at various dates, many of which do not exceed one year in length. Total operating lease costs and cash paid for the fiscal years ended June 30, 2024 and 2023 were approximately $0.1 million each. The Company does not have any finance leases as of June 30, 2024 and 2023. Most operating leases contain renewal options that provide for rent increases based on prevailing market conditions. The terms used to calculate the ROU assets for certain properties include the renewal options that the Company is reasonably certain to exercise. The Companyâ€™s lease agreements do not contain significant residual value guarantees, restrictions, or covenants. Â As of June 30, 2024 and 2023, current lease liabilities of $0.1 million and $0.2 million are included in â€œAccounts payable and accrued liabilitiesâ€ on the consolidated balance sheets. The table below presents total operating lease ROU assets and lease liabilities: Â Schedule of Operating Lease ROU Assets and Lease Liabilities Â Â June 30, 2024Â Â June 30, 2023Â Operating lease right-of-use assetÂ $42,103Â Â $143,154Â Operating lease liabilitiesÂ $54,304Â Â $175,788Â Â The table below presents the maturities of operating lease liabilities as of June 30, 2024: Schedule of Maturity of Operating Lease LiabilitiesÂ Â Â Â Â Â Fiscal year ended June 30, 2025Â $55,395Â Total lease paymentsÂ Â 55,395Â Less: discountÂ Â (1,091) Â Â Â Â Â Total operating lease liabilitiesÂ $54,304Â Â Â Â Â Â Operating lease liabilities, currentÂ $54,304Â Operating lease liabilities, non-currentÂ $-Â Â The table below presents the weighted average remaining lease term for operating leases and weighted average discount rate used in calculating operating lease right-of-use asset as of June 30, 2024 and 2023. Schedule of Weighted Average Remaining Lease Term for Operating Leases and Weighted Average Discount RateÂ Â Â 2024Â Â 2023Â Weighted average lease term (years)Â Â 0.33Â Â Â 1.33Â Weighted average discount rateÂ Â 8.00%Â Â 8.00% Â F-20 Â Â 13. Stockholdersâ€™ Equity Â On September 21, 2023, the Companyâ€™s common stock began trading on the Nasdaq Capital Market under the symbol â€œABAT.â€ The Company was previously traded on the OTCQX Markets under the symbol â€œABML.â€ Â Preferred Stock Â Our amended and restated articles of incorporation authorize shares of preferred stock and provide that shares of preferred stock may be issued from time to time in one or more series. Our board of directors will be authorized to fix the voting rights, if any, designations, powers, preferences, the relative, participating, optional or other special rights and any qualifications, limitations and restrictions thereof, applicable to the shares of each series. Our board of directors will be able to, without stockholder approval, issue shares of preferred stock with voting and other rights that could adversely affect the voting power and other rights of the holders of the common stock and could have anti-takeover effects. The ability of our board of directors to issue shares of preferred stock without stockholder approval could have the effect of delaying, deferring or preventing a change of control of us or the removal of existing management. Â To date, the Company has authorized a total of 1,666,667 shares of preferred stock. Of this amount the Company has designated a total of 233,334 shares to three classes of preferred stock, Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock. As of June 30, 2024 and 2023, no shares of any of these classes are issued and outstanding. A description of each class of preferred stock is listed below. Â Series A Preferred Stock Â The Company has 33,334 shares of Series A Preferred Stock authorized with a par value of $0.001 per share. The Company had nil shares of Series A Preferred Stock issued and outstanding on June 30, 2024 and 2023. Â Series B Preferred Stock Â The Company has 133,334 shares of Series B Preferred Stock authorized with a par value of $10.00 per share. The Company had nil shares of Series B Preferred Stock issued and outstanding on June 30, 2024 and 2023. Â Series C Preferred Stock Â The Company has 66,667 shares of Series C Preferred Stock authorized with a par value of $10.00 per share. The Company had nil shares of Series C Preferred Stock issued and outstanding on June 30, 2024 and 2023. Â Common Stock Â The Company has 80.0 million shares of common stock authorized, with a par value of $0.001 per share. Â On September 11, 2023, in preparation for listing on the Nasdaq Capital Market, the Company implemented a one-for-fifteen (1-for-15) reverse split of our common stock. Prior to the reverse stock split the Company had 692,068,218 shares of common stock issued and outstanding, and after the reverse stock split, the Company had approximately 46,137,882 shares of common stock issued and outstanding. Immediately after the reverse stock split, each stockholderâ€™s percentage ownership interest in the Company and proportional voting power remained unchanged aside from rounding fractional shares into whole shares, resulting in an additional 59,164 common shares issued. The reverse stock split did not change the par value of the common stock or preferred stock. As of June 30, 2024, the Company has 64,061,763 shares of common stock issued and outstanding. Â Fiscal year ended June 30, 2024 Â During the period the Company issued 1,326 common shares that were previously listed as issuable as of June 30, 2023. These shares for professional services relate to previously earned board compensation. Â During the period, the Company issued 1,306,480 common shares with an issuance date fair value of $5.3 million to executives, directors and employees pursuant to share award service and performance achievements. This included 171,500 RSUs granted upon election by officers of the Company to receive warrants and RSUs in lieu of cash bonuses. Â On July 28, 2023, the Company recorded an increase of $0.2 million to stockholdersâ€™ equity for the change in fair value between the balance sheet date of June 30, 2023 and the fair value on the date the shares were returned. These shares were pursuant to the Company modifying its building purchase agreement to nullify a $1.5 million indemnification requirement and reclaim 128,205 shares that it had previously issued to the Selling Stockholder (See Note 6). Â During the period, the Company filed prospectus supplements related to the offer and sale from time to time of up to 8,666,667 common shares directly by the Company at market prices, to Tysadco Partners, LLC, a Delaware limited liability company (â€œTysadcoâ€), pursuant to the terms of written sales agreement(s) (â€œTysadco Agreementâ€). Pursuant to the Tysadco Agreement, the Company may offer and sell up to 8,666,667 common shares of the Company at a purchase price of 95% of the weighted-average price, with a minimum request of 33,333 shares. During the period, the Company sold 8,209,262 common shares for total proceeds of $27.8 million, of which $1.5 million is recorded as a subscription receivable offset within equity on the consolidated balance sheet at June 30, 2024. Â F-21 Â Â On April 3, 2024, the Company entered into an ATM sales agreement with Virtu Americas LLC, pursuant to which the Company may offer and sell, from time to time through the sales agent, shares (the â€œSharesâ€) of the Companyâ€™s common stock, par value $0.001 per share, having an aggregate offering price of up to $50,000,000, subject to the terms and conditions of the Sales Agreement. The Company has filed a prospectus supplement to its registration statement on Form S-3 (File No. 333-252492) offering the Shares. During the period, the Company sold 9,109,573 common shares for total proceeds of $12.1

million, of which $0.6 million Â is recorded as a subscription receivable on the consolidated balance sheet at June 30, 2024. Â During the period, the Company issued 45,545 common shares pursuant to cashless exercise of 50,000 share purchase warrants exercised as of June 30, 2023. During the period, the Company received cash proceeds of $37,500 pursuant to 33,334 share purchase warrants. Also, during the period, the Company issued 39,883 common shares pursuant to cashless exercise of 66,667 share purchase warrants. Â During the period, the Company recognized stock-based compensation expense of approximately $14.6 million, which was an increase to additional paid-in capital of approximately $14.2 million and an increase in the equity compensation liability of $0.4 million. Stock-based compensation in additional paid-in capital also includes $0.3 million of bonuses settled in equity awards in lieu of cash. Of total stock-based compensation, approximately $7.5 million was recognized for officers and directors of the Company. See Correction of Previously Issued Consolidated Financial Statements in Note 3. Â Fiscal year ended June 30, 2023 Â During the period, the Company issued 399,024 common shares with an issuance date fair value of $4.2 million to executives, directors and employees pursuant to share award service and performance achievements. These common shares were under the Companyâ€™s Retention Plan. Â During the period, the Company issued 733,333 common shares with a fair value of approximately $7.4 million towards the acquisition of its new recycling facility. These shares have recently been registered to be sold under the Companyâ€™s shelf S-3, effective August 8, 2023. Considering the lack of marketability at the time of issuance, the shares were issued with approximately a 15% discount. This was in line with the Companyâ€™s fair value analysis, given that the shares were restricted at the time of issuance. Pursuant to the terms of the agreement, the Company agreed to acquire 100% of the ownership interests in Aqua Metals Transfer, LLC, a legal entity to transfer real property and equipment, in exchange for a combination of cash and common shares of common stock. We also agreed to prepare and file a registration statement with the SEC to register the resale of the common shares issued, which will be held by an affiliate of LiNiCo, Comstock Inc., a Nevada corporation, the seller. Pursuant to the original purchase agreement, LiNiCo had an obligation to indemnify us for certain matters and to fund an escrow account for the purposes in the event such indemnification events arise. The seller was required to contribute $1.5 million of the net proceeds it receives from its sale of shares to fund the indemnification escrow account. On June 30, 2023, the Company modified the agreement to nullify the $1.5 million indemnification requirement and reclaim 128,205 shares that it had previously issued to the Selling Stockholder, which it received after June 30, 2023. The Company has recognized a $1.5 million reduction to the carrying value of its long-term deposits and a respective reduction to stockholdersâ€™ equity, at June 30, 2023. Â In March 2023, the Company entered into a share purchase agreement for the purchase and sale of 952,381 common shares at an issuance price of $10.50 per share. In addition to the issuance of common shares, the Company issued 952,381 Series A warrants that are exercisable into one common share of the Company at $12.00 per share for a period of five years from the date of issuance and 952,381 Series B warrants that are exercisable into one common share of the Company at $10.50 per share for a period of eighteen months from the date of issuance. As part of the financing, the Company engaged a placement agent in connection with the offering and agreed to pay the placement agent a cash fee of 7.5% of the gross proceeds of the offering, a 1% expense allowance, and other reimbursable expenses. In addition, the Company issued 57,143 warrants to the placement agent as a commission fee, which are exercisable at $13.13 per share for a period of five years from the date of issuance. The Company received net proceeds under this share purchase agreement of $8.9 million. Â In May 2023, the Company entered into multiple share purchase agreements for the purchase and sale of 476,187 million common shares at an issuance price of $10.50 per share. In addition to the issuance of common shares, the Company issued 476,187 Series A warrants that are exercisable into one common share of the Company at $12.00 per share for a period of five years from the date of issuance and 476,187 Series B warrants that are exercisable into one common share of the Company at $10.50 per share for a period of eighteen months from the date of issuance. The Company received net proceeds under this share purchase agreement of $5.0 million. Â On May 12, 2023, the Company entered into the First Amendment to Second Amended and Restated Membership Interest Purchase Agreement (the â€œAmendmentâ€), which amended the Purchase Agreement, for the purchase of the Recycling Facility. Under the Amendment, the Selling Stockholder required the Company to deliver an additional 66,667 common shares of the Company to LiNiCo, resulting in the Company issuing a total of 733,333 shares of common stock as part of the purchase price under the Agreements and Amendment, though. Â On April 2, 2021, the Company entered into a common share purchase agreement with Tysadco. Pursuant to the agreement, Tysadco had committed to purchase, subject to certain restrictions and conditions, up to $75.0 million worth of the Companyâ€™s common stock over a 24-month period, expiring March 31, 2023. The Company shall then have the right to direct Tysadco to buy shares at a purchase price of 95% of the average of the 5-day median share price, with a minimum request of $25,000. Under this agreement and during the period, the Company issued 400,000 common shares for aggregate proceeds of $3.6 million. Â On June 26, 2023, the Company filed a prospectus supplement related to the offer and sale from time to time of up to 1,666,667 common shares directly by the Company at market prices, or to Tysadco, pursuant to the terms of written sales agreement(s) (â€œJune Prospectusâ€). Pursuant to the June Prospectus, the Company may offer and sell up to 1,666,667 common shares of the Company at a purchase price of 95% of the weighted-average of the 5-day median share price, with a minimum request of 33,333 shares. During the period, the Company issued 33,333 common shares. Proceeds of $2.7 million were received after the consolidated balance sheet date of June 30, 2023. Â On May 17, 2023, the Company reclaimed 58,712 common shares from a former professional service provider. The Company recorded an adjustment to stockholdersâ€™ equity for the par value of these shares. Â F-22 Â Â 14. Share Purchase WarrantsÂ Â During the fiscal year ended June 30, 2024, there were 118,762 common shares issued related to warrants exercised, of which 85,428 common shares were issued pursuant to cashless exercise. In addition, there were 539,435 warrants vested related to previously granted stock-based compensation to officers of the Company, and of those, 171,500 warrants granted upon election by officers of the Company to receive warrants and RSUs in lieu of cash bonuses. The weighted average grant date fair value of warrants issued during the fiscal year ended June 30, 2024 totaled $1.90. The warrants have contractual terms of five years and vest over the respective employeeâ€™s requisite service period of three to five years. Â During the fiscal year ended June 30, 2023, the Company received cashless warrant exercises of 50,000, however the resulting 45,545 common shares were issued after year-end, during the first fiscal quarter ending September 30, 2023. Â Schedule of Share Purchase Warrants Activity Â Â Number of WarrantsÂ Â Weighted Average Exercise PriceÂ Â Weighted Average Remaining Contractual TermÂ Â Aggregate Intrinsic ValueÂ Â Â Â Â Â Â Â Â Â Â Â Â Â Balance, June 30, 2022Â Â 2,680,708Â Â $18.15Â Â Â Â Â Â Â Â Â GrantedÂ Â 3,098,652Â Â Â 11.25Â Â Â Â Â Â Â Â Â ExercisedÂ Â (50,000)Â Â (1.20)Â Â Â Â Â Â Â Â ExpiredÂ Â -Â Â Â -Â Â Â Â Â Â Â Â Â Balance, June 30, 2023Â Â 5,729,360Â Â $14.53Â Â Â Â Â Â Â Â Â GrantedÂ Â 1,407,135Â Â Â 4.96Â Â Â Â Â Â Â Â Â ExercisedÂ Â (100,002)Â Â 1.13Â Â Â Â Â Â Â Â Â ExpiredÂ Â (107,735)Â Â 3.75Â Â Â Â Â Â Â Â Â Balance, June

30, 2024Â Â 6,928,758Â Â $12.95Â Â Â 2.50Â Â $75,001Â Exercisable, June 30, 2024Â Â 6,048,210Â Â $13.94Â Â Â 2.19Â Â $75,001Â Â 15. Equity Compensation Awards Â The Company established the 2021 Retention Plan (â€œthe Retention Planâ€) to issue shares in the effort to retain key executives, directors, and employees. The Retention Plan allows for several different types of awards to be granted, including but not limited to, warrants, restricted share units and restricted share awards, collectively referred to as â€œshare awardsâ€. Share awards generally have the same expense characteristics under US GAAP and generally vest over a four-year period at a rate of 25% per annum. Â Under the Retention Plan, the Company is authorized to issue shares of common stock to employees and non-employees up to ten percent (10%) of the total number of shares of common stock outstanding as of December 31, 2022, on a fully diluted basis. The Company adjusts the authorized shares under the plan each December 31, while the Retention Plan remains in effect. During the fiscal year ended June 30, 2024 and 2023, the Company granted 3.3 million and 2.2 million share awards, respectively, under the Retention Plan. Â F-23 Â Â Â The table below reflects the share award activity for the periods ended June 30, 2024 and 2023: Â Schedule of Restricted Shares and Restricted Share Units Non-vested Â Â UnitsÂ Â Weighted- Average Grant Date Fair Value per UnitÂ Â Â Â Â Â Â Â Unvested share awards at June 30, 2022Â Â 23,334Â Â $12.30Â GrantedÂ Â 2,152,232Â Â Â 8.25Â VestedÂ Â (435,857)Â Â (8.25) OtherÂ Â -Â Â Â -Â ForfeituresÂ Â (3,333)Â Â (7.50) Â Â Â Â Â Â Â Â Â Unvested share awards at June 30, 2023Â Â 1,736,376Â Â Â 8.25Â GrantedÂ Â 3,290,268Â Â Â 3.51Â VestedÂ Â (1,306,480)Â Â 5.29Â OtherÂ Â -Â Â Â Â -Â ForfeituresÂ Â (291,560)Â Â (5.94) Unvested awards at June 30, 2024Â Â 3,428,604Â Â Â $5.02Â Â Â As awards are granted, stock-based compensation equivalent to the fair market value of the underlying common stock on the date of grant is expensed over the requisite service period, generally four years with a maximum contractual term of ten years, using the graded vesting attribution method as acceptable under ASC 718, â€œStock-Based Compensation.â€ The Company accounts for forfeitures as they occur. The fair value of share awards that vested during the fiscal year ended June 30, 2024 totaled $5.3 million. Â The Company recognized stock-based compensation expense of $14.6 million and $9.8 million for the fiscal years ended June 30, 2024 and 2023, respectively. Of these amounts, $7.5 million and $4.5 million, respectively, were related to officers and directors of the Company. For the fiscal years ended June 30, 2024 and 2023, total stock-based compensation expense included $1.9 million and $0.8 million, respectively, related to warrants awarded to officers of the Company. As of June 30, 2024 and 2023, the equity compensation liability totaled $0.4 million and nil related to warrants awarded to officers of the Company, respectively. See Correction of Previously Issued Consolidated Financial Statements in Note 3. As of June 30, 2024 several grant performance targets for the fiscal year ended June 30, 2024 have been defined via employee and retention agreements. These performance targets have not yet been achieved by employees and officers; thus, the Company has deferred recognition of stock-based compensation expense of $0.4 million until such achievements are probable of achievement and approval by the board of directors has occurred. Â As of June 30, 2024, there were approximately $11.2 million of unamortized expenses relating to outstanding equity compensation awards to be recognized over a remaining weighted-average period of 2.8 years. Â The table below presents the stock-based compensation expense per respective line item of the consolidated statements of operations for the fiscal years ended June 30: Â Schedule of Stock-Based Compensation Expense Â Â 2024Â Â 2023Â Â Â Â Â Â Â Â Cost of goods soldÂ $196,829Â Â $-Â General and administrativeÂ 7,372,695Â Â 5,325,578Â Research and developmentÂ Â 5,852,392Â Â Â 3,735,528Â ExplorationÂ Â 1,144,402Â Â Â 696,289Â Total stock-based compensationÂ $14,566,318Â Â $9,757,395Â Â Executive officers and selected other key employees are eligible to receive common share performance-based awards, as determined by the board of directors. The payouts, in the form of share awards, vary based on the degree to which corporate operating objectives are met. These performance-based awards typically include a service-based requirement, which is generally four years. Â F-24 Â Â 16. Income Taxes Â The Company has not recognized any income tax provisions for the fiscal years ended June 30, 2024 and 2023. The U.S. federal corporate statutory rate of 21.0% is the only applicable corporate tax rate used for fiscal years ended June 30, 2024 and 2023. The statutory rate differs from the Companyâ€™s computed expected tax recovery rate due to the following adjustments for the fiscal years ended June 30: Schedule of Federal Income Tax provisionÂ Â Â 2024Â Â 2023Â Â Â Â Â Â Â Â Net loss before taxesÂ $(52,501,819)Â $(21,338,207) Statutory RateÂ Â 21%Â Â 21% Â Â Â Â Â Â Â Â Â Computed expected tax recoveryÂ Â (11,025,382)Â Â (4,481,024) Â Â Â Â Â Â Â Â Â State income tax (benefit), net of federal benefitÂ Â (315,287)Â Â -Â Section 162(m) adjustmentsÂ Â 71,043Â Â Â -Â Other permanent tax differencesÂ Â (121,985)Â Â (5,107) Share-based Compensation â€“ RSUs/PSUsÂ Â 701,362Â Â Â -Â Uncertain Tax PositionsÂ Â (219,450)Â Â (8,495,803) Deferred Adjustments and OtherÂ Â (518,766)Â Â 113,966Â Change in valuation allowanceÂ Â 11,428,465Â Â Â 12,867,968Â Â Â Â Â Â Â Â Â Â Total income tax provisionÂ $-Â Â $-Â Â The significant components of deferred income tax assets and liabilities at June 30, after applying the statutory corporate income tax rate, are as follows for the fiscal years ended June 30: Â Schedule of Deferred Income Tax Assets and LiabilitiesÂ Â Â Â 2024Â Â 2023Â Â Â Â Â Â Â Â Net operating lossesÂ $25,676,852Â Â $19,365,174Â Stock-based compensationÂ Â 2,472,597Â Â Â 982,521Â Section 174 capitalizationÂ Â 1,938,732Â Â Â 679,037Â Other temporary differencesÂ Â 390,384Â Â Â 2,049Â Fixed Assets and IntangiblesÂ Â 1,697,171Â Â Â 13,208Â Valuation allowanceÂ Â (32,175,736)Â Â (21,041,989) Â Â Â Â Â Â Â Â Â Net Deferred Tax AssetÂ $-Â Â $-Â Â We believe that it is more likely than not that the benefit from certain NOL carryforwards will not be realized. At June 30, 2024 and 2023, respectively, we have provided a valuation allowance of $32.2 and $21.0 million on the deferred tax assets recorded to date. If our assumptions change and we determine that we will be able to realize these NOL carryforward amounts, the Company will adjust its disclosures appropriately. Â As of June 30, 2024, the Company has accumulated federal and state net operating loss carryforwards of approximately $120.8, and $5.4 million, respectively. If unused, $2.5 million of our federal net operating loss carryforwards will expire in 2032, and $118.3 million will carryforward indefinitely. Approximately $3.5 million of our state net operating loss carryforwards will begin to expire in 2041 and $1.9 million will carryforward indefinitely .In addition, under the Tax Cuts and Jobs Act (Tax Act) the amount of federal net operating losses generated in taxable periods beginning after December 31, 2017, that we are permitted to deduct in any taxable year is limited to 80% of our taxable income in such year, where taxable income is determined without regard to the net operating loss deduction itself. The Tax Act generally eliminates the ability to carry back any net operating loss to prior taxable years, while allowing post-2017 unused net operating losses to be carried forward indefinitely. The Company also has $0.3 million of federal Research and Development Credit carryforwards that will expire in 2041. Â Utilization of net operating losses, credit carryforwards, and certain deductions may be subject to a substantial annual limitation due to ownership change limitations provided by the Internal Revenue Code of 1986, as amended, and similar state provisions. The tax benefits related to future utilization of federal and state net operating losses, tax credit carryforwards, and other deferred tax assets may be limited or lost if cumulative changes in ownership exceeds 50% within any three-year period. Additional limitations on the use of these tax attributes could occur in the event of possible disputes arising in examinations from various taxing authorities. Any net operating loss or credit carryforwards that will expire prior to utilization as a result of such limitations will be removed from deferred tax assets. Â Under the Tax Cuts and Jobs Act of 2017, research and development costs are no longer fully deductible and are required to be capitalized and amortized for U.S. tax purposes effective for fiscal years beginning after January 1, 2022. The mandatory capitalization requirement increases our deferred tax assets and is fully offset with the valuation allowance. Â The Company has recorded uncertain tax positions (â€œUTPâ€) that result in unrecognized tax benefits recorded on the books of the Company. The unrecognized tax benefits for the Company are as follows as of June 30: Â Schedule of Unrecognized Tax BenefitsÂ Â Â 2024Â Â 2023Â Unrecognized tax benefits, beginning of periodÂ $219,450Â Â $8,715,253Â Decrease during the periodÂ Â (219,450)Â Â (8,715,253) Increase during the periodÂ Â Â Â Â Â 219,450Â Â Â Â Â Â Â Â Â Â Unrecognized tax benefits, end of periodÂ $-Â Â $219,450Â Â F-25 Â Â In the fiscal year ended June 30, 2022, the Company recorded an uncertain tax position related to shares issued to service providers during open tax years. In fiscal year ended June 30, 2023 the Company filed all necessary tax returns and paid approximately $75,000 in penalties and interest remediating past-due payroll tax requirements, for which the Company had accrued at June 30, 2022 and therefore reversed the associated uncertain tax position during the fiscal year ended June 30, 2023. Â The Company accrued for an uncertain tax position during the fiscal year ended June 30, 2023 related to Section 162(m) of the Internal Revenue Code, which limits the deductibility of compensation paid to certain executive officers in excess of $1.0 million in any fiscal year. The Company reversed the unrecognized tax position during the fiscal year ended June 30, 2024 and has accounted for the limitation as a reduction of its net operating loss carryforward. Â The Company does not have an accrual for interest or penalties related to uncertain tax positions as of June 30, 2024. Â The Company files U.S. and state income tax returns with varying statutes of limitations. The tax returns for fiscal years ended September 30, 2016, to June 30, 2023, remain open to examination due to the carryover of unused NOL carryforwards and tax credits. The Company is not under examination by any tax authority as of June 30, 2024. Â 17. Supplemental Statement of Cash Flow Disclosures Â For the fiscal years ended June 30: Â Schedule of Statement of Cash Flow Disclosures Â Â 2024Â Â 2023Â Â Â Â Â Â Â Â Supplemental disclosures:Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Interest paidÂ $29,006Â Â $128,560 Â Â Â Â Â Â Â Â Â Non-cash investing and financing activities:Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Purchases of property and equipment accrued in current liabilitiesÂ Â 996,970Â Â Â 4,404,034Â Deposits capitalized as investing activitiesÂ Â 28,020,465Â Â Â 150,000Â Fair value of common shares issued for investing activitiesÂ Â -Â Â Â 5,859,000Â Other receivables recognized as financing activitiesÂ Â 608,333Â Â Â 350,550Â Assets transferred to assets held-for-saleÂ Â 18,662,575Â Â Â -Â Settlement of cash bonuses with equity awardsÂ Â 343,000Â Â Â -Â Â Â 18. Commitments and Contingencies Â From time to time, the Company may become involved in various lawsuits and legal proceedings, which arise in the ordinary course of business. Litigation is subject to inherent uncertainties, and an adverse result in these or other matters may arise from time to time that may harm business. Except as otherwise identified herein, management is currently not aware of any such legal proceedings or claims that could have, individually or in aggregate, a material adverse effect on our business, financial condition, or operating results. Â Operating Leases Â The Company leases its principal office location in Reno, Nevada. It also leases lab space at the University of Nevada, Reno on short term leases. The principal office location lease expires on November 30, 2024 and the Lab leases expire on November 30, 2024. Consistent with the guidance in ASC 842, The Company has recorded the principal office lease in its consolidated balance sheet as an operating lease. For further information on operating lease commitments, see Note 12 â€“ Leases. Â Financial Assurance Â Nevada and other states, as well as federal regulations governing mine operations on federal land, require financial assurance to be provided for the estimated costs of mine reclamation and closure, including groundwater quality protection programs. The Company has satisfied financial assurance requirements using a combination of cash bonds and surety bonds. The amount of financial assurance The Company is required to provide will vary with changes in laws, regulations, reclamation and closure requirements, and cost estimates. At June 30, 2024, the Companyâ€™s financial assurance obligations associated with U.S. mine closure and reclamation/restoration cost estimate totaled $0.1 million, for which the Company is legally required to satisfy its financial assurance obligations for its mining properties in Tonopah, Nevada. The Company was previously released of all of its liability in the Railroad Valley region of Nevada. Â 19.Subsequent Events Â On July 3, 2024, the Company and Mercuria Energy America, LLC agreed to resolve their respective disputes related to a Marketing Agreement entered into in May 2023. Under the terms of the Settlement Agreement, the Company agreed to make six monthly payments to Mercuria Energy America, LLC of $0.3 million. Upon the completion of the payments, the parties agreed to release any and all claims, disputes, actions, suits, proceedings, demands and/or liabilities in law and/or equity or otherwise. The total amount of payments due of $1.8 million has been accrued as of June 30, 2024. Â On August 1, 2024, the Company agreed to sell 76 Units (the â€œUnitsâ€ as defined below) to several accredited investors (â€œInvestorsâ€) and two employees (â€œInsidersâ€), pursuant to a Subscription Agreement (the â€œSubscription Agreementâ€) in a private placement offering (the â€œPrivate Placementâ€). Each Unit for the Investors consists of 25,000 shares of Common Stock (the â€œSharesâ€) of the Company, 25,000 Series A Warrants to Purchase Common Stock (â€œSeries A Warrantsâ€ as further described herein) of the Company and 25,000 Series B Warrants to Purchase Common Stock (â€œSeries B Warrantsâ€ as further described herein and collectively, with the Series A Warrants, the â€œWarrantsâ€) (the Shares and Warrants are collectively referred to herein as the â€œUnitsâ€), at the price of U.S. $25,000 per Unit. Each Unit for the Insiders consists of 19,531 shares of Common Stock (the â€œSharesâ€) of the Company and 39,062 Series A Warrants to Purchase Common Stock (â€œSeries A Warrantsâ€ as further described herein) of the Company (the â€œWarrantsâ€) (the Shares and Warrants are collectively referred to herein as the â€œUnitsâ€), at the price of U.S. $25,000 per Unit. The Company sold 76 Units for an aggregate purchase price of $1.9 million. Â In August 2024, the Company decided to sell some or all of its individual water rights that are recorded as intangible assets on the balance sheet. The Company has an estimated 290.19-acre feet of standalone water rights available for sale. Â F-26 Â Â Item 9. Changes in and Disagreements with Accountants on Accounting and Financial Disclosure Â None. Â Item 9A. Controls and Procedures Â Controls and Procedures Â Evaluation of Disclosure Controls and Procedures. Â We maintain disclosure controls and procedures, as defined in Rules 13a-15(e) and 15d-15(e) under the Exchange Act of 1934, as amended (the â€œExchange Actâ€). Disclosure controls and procedures are controls and other procedures designed to ensure that the information required to be disclosed by us in the reports that we file or submit under the Exchange Act (15 U.S.C. 78a et seq.) is recorded, processed, summarized, and reported within the time periods specified in the SECâ€™s rules and forms. Disclosure controls and procedures include, without limitation, controls and procedures designed to ensure that information required to be disclosed by us in the reports that we file or submit under the Exchange Act is accumulated and communicated to our management, including our principal executive officer and our principal financial officer, as appropriate, to allow timely decisions regarding required disclosure. In designing and evaluating the disclosure controls and procedures, management recognizes that any controls and procedures, no matter how well designed and operated, can provide only reasonable and not absolute assurance of achieving the desired control objectives, and management necessarily applies its judgment in evaluating the cost-benefit relationship of possible controls and procedures. Â The Companyâ€™s management, with the participation of the Chief Executive Officer and Chief Financial Officer, carried out an evaluation of the effectiveness of the design and operation of the Companyâ€™s disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) of the Exchange Act as of June 30, 2024, the end of the period covered by this report. Based on such evaluation, the Companyâ€™s Chief Executive Officer and Chief Financial Officer have concluded that, as of June 30, 2024, the Companyâ€™s disclosure controls and procedures are not effective, based on the material weaknesses described below. Â Managementâ€™s Report on Internal Control over Financial Reporting. Â Our management is responsible for establishing and maintaining adequate internal control over financial reporting (as defined in Rules 13a-15(f) and 15d-15(f) of the Exchange Act). Management, with the participation of the principal executive officer and principal financial officer, under the oversight of our Board of Directors, assessed the effectiveness of our internal control over financial reporting as of June 30, 2024 based on the criteria set forth by the Committee of Sponsoring Organizations of the Treadway Commission in Internal Control-Integrated Framework (2013 Framework). Based on this assessment, management concluded that, as of June 30, 2024, our internal control over financial reporting was not effective, due to the material weaknesses in internal control over financial reporting, described below. Â Internal control over financial reporting is a process designed under the supervision and with the participation of our management, including the individuals serving as our principal executive officer and principal financial officer, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with accounting principles generally accepted in the United States of America. Â A material weakness is a deficiency, or combination of deficiencies, in internal control over financial reporting, such that there is a reasonable possibility that a material misstatement of annual or interim financial statements will not be prevented or detected on a timely basis. Â Material Weaknesses in Internal Control over Financial Reporting Â The Company did not have a sufficient complement of personnel with appropriate technical expertise to perform an effective risk assessment of complex transactions and account for such transactions properly. In addition, the Company did not maintain proper segregation of duties related to accounting processes. As a consequence, internal control deficiencies related to the design and operation of process-level controls were determined to be pervasive throughout the Companyâ€™s financial reporting processes. While these material weaknesses did result in immaterial misstatements of the Companyâ€™s consolidated financial statements, these material weaknesses create a reasonable possibility that a material misstatement of account balances or disclosures in the consolidated financial statements may not be prevented or detected in a timely manner. Therefore, we concluded that the deficiencies represent material weaknesses in the Companyâ€™s internal control over financial reporting and our internal control over financial reporting was not effective as of June 30, 2024. Â Remediation Plan Â During the fiscal year ended June 30, 2024, remediation efforts included removing accounting personnel access to both create and post a journal entry, moving the systems administration tasks to personnel outside of the accounting department, and adding review procedures by qualified personnel over complex accounting matters by way of engaging third-party professionals with whom to consult regarding complex accounting applications and valuations. However, there is no guarantee that these measures will remediate the material weaknesses described above. Â We are committed to ensuring that our internal control over financial reporting is designed and operating effectively. While we believe procedures are in place as of June 30, 2024 to address the material weaknesses, remediation steps are required to be in place and effective for an adequate period of time. We cannot provide assurance that such material weaknesses will be remediated, and we may discover additional material weaknesses that may require additional time and resources to remediate. Â In addition to the above steps taken, in July 2024, we hired a new corporate controller with extensive experience technical accounting, SEC reporting and internal control over financial reporting. We plan to continue to utilize an outside CPA firm for technical expertise, we plan to hire qualified accounting personnel to build out the finance team and we plan to perform a complete risk assessment and update our control procedures to mitigate segregation of duties. We expect to remediate these material weaknesses by the end of fiscal year 2025. Â 34 Â Â Item 9B. Other Information Â None. Â Item 9C. Disclosure Regarding Foreign Jurisdictions that Prevent Inspections Â Not applicable. Â PART III Â Certain information required by Part III is omitted from this report because the Company will file a definitive proxy statement within 120 days after the end of its fiscal year pursuant to Regulation 14A (the â€œProxy Statementâ€) for its annual meeting of stockholders, and certain information included in the Proxy Statement is incorporated herein by reference. Â Item 10. Directors, Executive Officers, and Corporate Governance Â Code of Ethics Â We have adopted a Code of Ethics entitled Code of Conduct. A copy of the Code of Ethics will be provided without charge upon request at 100 Washington Street, Suite 100, Reno, NV 89503. We intend to disclose any amendments to or waivers of certain provisions of our Code of Ethics in a Current Report on Form 8-K. Â We have adopted an Insider Trading Policy governing the purchase, sale, and other dispositions of the Companyâ€™s securities by its directors, officers, employees, consultants and other service providers. The Company believes that the policy is reasonably designed to promote compliance with applicable law and exchange listing standards regarding insider trading. A copy of the policy is filed as exhibit 19.1 to this report. Â The other information required by this ItemÂ 10 will be set forth in the Proxy Statement and is incorporated in this report by reference. Â Item 11. Executive Compensation Â The information required by this item will be set forth in the Proxy Statement and is incorporated in this report by reference. Â Item 12. Security Ownership of Certain Beneficial Owners and Management Â The information required by this item will be set forth in the Proxy Statement and is incorporated in this report by reference. Â Securities Authorized for Issuance under Equity Compensation PlansÂ Â The information required by this item will be set forth in the Proxy Statement and is incorporated in this report by reference. Â Item 13. Certain Relationships and Related Party Transactions and Director Independence Â The information required by this item will be set forth in the Proxy Statement and is incorporated in this report by reference. Â Item 14. Principal Accounting Fees and Services Â The information required by this item will be set forth in the Proxy Statement and is incorporated in this report by reference. Â 35 Â Â PART IV Â Item 15. Exhibits and Financial Statement Schedules. Â The following exhibits are either provided with this Annual Report or are incorporated herein by reference: Â Â Â Â Â Filed or FurnishedÂ IncorporatedÂ ByÂ Reference ExhibitÂ DescriptionÂ HerewithÂ DateÂ FormÂ Exhibit 3.1Â Articles of Incorporation, as amendedÂ Â Â 12-Sep-22Â 10-KÂ 3.1 3.2Â Amended and Restated BylawsÂ Â Â 14-Sep-22Â 8-KÂ 3.1 3.3Â Certificate of Designation of Preferences, Rights and Limitations of Series A Preferred StockÂ Â Â 8-Oct-19Â 8-KÂ 3.1 3.4Â Certificate of Designation of Preferences, Rights and Limitations of Series B Preferred StockÂ Â Â

19-Feb-20Â 8-KÂ 3.1 3.5Â Certificate of Designation of Preferences, Rights and Limitations of Series C Preferred StockÂ Â Â 5-Nov-20Â 8-KÂ 3.1 3.6Â Certificate of Change Pursuant to NRS 78.209 of American Battery Technology Company, filed with the Nevada Secretary of State on August 31, 2023Â Â Â 11-Sep-23Â 8-KÂ 3.1 4.1Â Form of Series A WarrantÂ Â Â 4-Apr-23Â 8-KÂ 4.1 4.2Â Form of Series B Warrant]Â Â Â 4-Apr-23Â 8-KÂ 4.2 4.3Â Form of Placement Agent WarrantÂ Â Â 4-Apr-23Â 8-KÂ 4.3 10.1Â Employment Agreement of Andres MezaÂ Â Â 11-Jan-23Â 8-KÂ 10.2 10.2Â Employment Agreement of Scott JolcoverÂ Â Â 11-Jan-23Â 8-KÂ 10.1 10.3Â Employment Agreement of Jesse DeutschÂ Â 17-May-23Â 8-KÂ 10.1 10.4Â Employment Agreement of Ryan MelsertÂ Â Â 5-Aug-22Â 8-KÂ 10.1 10.5Â Exploration License with Option to Purchase, dated September 1, 2021, between American Battery Technology Company and 1317038 Nevada Ltd.Â Â Â 15-Jul-22Â 8-KÂ 10.1 10.6Â Escrow Services AgreementÂ Â Â 15-Jul-22Â 8-KÂ 10.2 10.7Â Asset Purchase Agreement, dated March 1, 2023, between American Battery Technology Company and LiNiCo CorporationÂ Â 27-Sep-23Â 10-KÂ 10.7 10.8Â Second Amended and Restated Membership Interest Purchase Agreement, dated April 21, 2023, between American Battery Technology Company and LiNiCo CorporationÂ Â 27-Sep-23Â 10-KÂ 10.8 10.9Â Purchase and Sale Agreement, dated May 12, 2023, between American Battery Technology Company and Bow River Capital RE III LLCÂ Â 27-Sep-23Â 10-KÂ 10.9 10.1Â Credit Agreement, dated May 17, 2023, between American Battery Technology Company and Mercuria Investments US, Inc.Â Â 27-Sep-23Â 10-KÂ 10.10 10.11Â Marketing Agreement, dated May 17, 2023, between American Battery Technology Company and Mercuria Energy America, LLCÂ Â 27-Sep-23Â 10-KÂ 10.11 10.12Â Form of Securities Purchase AgreementÂ Â Â 4-Apr-23Â 8-KÂ 10.1 10.13Â DOE Grant Award DE-EE0006250, dated August 16, 2021Â Â 27-Sep-23Â 10-KÂ 10.13 10.14Â DOE Grant Award DE-EE0009430, dated October 1, 2021Â Â 27-Sep-23Â 10-KÂ 10.14 10.15Â Amended Director Agreement between American Battery Technology Company and Rick Fezell dated, September 22, 2023Â Â Â 28-Sep-23Â 8-KÂ 10.1 10.16Â Amended Director Agreement between American Battery Technology Company and Elizabeth Lowery dated, September 22, 2023Â Â Â 28-Sep-23Â 8-KÂ 10.3 10.17Â Amended Director Agreement between American Battery Technology Company and Sherif Marakby dated, September 22, 2023Â Â Â 28-Sep-23Â 8-KÂ 10.4 10.18Â Amended Offer Letter between American Battery Technology Company and Scott Jolcover dated, November 29, 2023Â Â Â 4-Dec-23Â 8-KÂ 10.1 10.19Â Amended Offer Letter between American Battery Technology Company and Ryan Melsert dated, December 1, 2023Â Â Â 4-Dec-23Â 8-KÂ 10.2 10.2Â Form of Securities Purchase AgreementÂ Â Â 15-Nov-23Â 10-Q/AÂ 10.1 10.21Â Form of Convertible NoteÂ Â Â 15-Nov-23Â 10-Q/AÂ 10.2 10.22Â Assistance Agreement between the Company and the United States Department of Energy, dated September 1, 2023Â Â Â 15-Nov-23Â 10-Q/AÂ 10.3 10.22Â Assistance Agreement between the Company and the United States Department of Energy, dated September 27, 2023Â Â Â 15-Nov-23Â 10-Q/AÂ 10.4 10.23Â Amendment to Offer Letter between American Battery Technology Company and Scott Jolcover dated, March 15, 2024Â Â Â 18-Mar-24Â 8-KÂ 10.1 10.24Â Amendment to Offer Letter between American Battery Technology Company and Ryan Melsert dated, March 15, 2024Â Â Â 18-Mar-24Â 8-KÂ 10.2 10.25Â ATM Sales Agreement dated April 3, 2024, by and between the Company and Virtu Americas LLCÂ Â Â 3-Apr-24Â 8-KÂ 10.1 10.26Â Settlement Agreement, dated July 3, 2024, between American Battery Technology Company and Mercuria Energy America, LLC**Â Â Â 10-Jul-24Â 8-KÂ 10.1 10.27Â Offer Letter, dated August 26, 2024, between American Battery Technology Company and Steven WuÂ Â Â 26-Aug-24Â 8-KÂ 10.1 10.28Â Release Agreement, dated August 26, 2024, between American Battery Technology Company and AndrÃ©s MezaÂ Â Â 26-Aug-24Â 8-KÂ 10.2 19.1Â Insider Trading PolicyÂ Â Â Â Â Â Â Â 21.1Â Subsidiaries of American Battery Technology CompanyÂ xÂ 27-Sep-23Â 10-KÂ 21.1 23.1Â Consent of Marcum LLPÂ xÂ Â Â Â Â Â 23.2Â Consent of KPMG LLPÂ xÂ Â Â Â Â Â 31.1Â Certification of Chief Executive Officer as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.Â xÂ Â Â Â Â Â 31.2Â Certification of Chief Financial Officer as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.Â xÂ Â Â Â Â Â 32.1Â Certification of Chief Executive Officer as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.Â xÂ Â Â Â Â Â 32.2Â Certification of Chief Financial Officer as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.Â xÂ Â Â Â Â Â 96.1Â Amended Resource Estimate and Initial Assessment with Project Economics for the Tonopah Flats Lithium Project, Esmeralda and Nye Counties, Nevada, USAÂ Â Â 25-Apr-24Â 8-KÂ 96.1 99.7Â American Battery Technology Company Clawback PolicyÂ xÂ Â Â Â Â Â 101Â INS Inline XBRL Instant Document.Â xÂ Â Â Â Â Â 101Â SCH Inline XBRL Taxonomy Extension Schema DocumentÂ xÂ Â Â Â Â Â 101Â CAL Inline XBRL Taxonomy Extension Calculation Linkbase DocumentÂ xÂ Â Â Â Â Â 101Â LAB Inline XRBL Taxonomy Label Linkbase DocumentÂ xÂ Â Â Â Â Â 101Â PRE Inline XBRL Taxonomy Extension Presentation Linkbase DocumentÂ xÂ Â Â Â Â Â 101Â DEF Inline XBRL Taxonomy Extension Definition Linkbase DocumentÂ xÂ Â Â Â Â Â 104Â Cover Page Interactive Data File (embedded within the Inline XBRL document)Â xÂ Filed herewithÂ Â Â Â Â Â Â Â xxÂ Furnished herewithÂ Â Â Â Â Â Â Â Â Â Item 16. Form 10-K Summary. Â None. Â 36 Â Â SIGNATURES Â Pursuant 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. Â Â AMERICAN BATTERY TECHNOLOGY COMPANY (Registrant) Â Â Â Date: September 23, 2024 By: /s/ Ryan Melsert Â Name: Ryan Melsert Â Title: Chief Executive Officer (Principal Executive Officer) Â Â Â Date: September 23, 2024 Â /s/ Jesse Deutsch Â Name: Jesse Deutsch Â Title: Chief Financial Officer Â Â (Principal Accounting Officer) Â Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated. Â /s/ Ryan Melsert Â Chief Executive Officer and Chief Technology Officer Â Â Â Ryan Melsert Â (Principal Executive Officer), and Director Â September 23, 2024 Â Â Â Â Â /s/ Jesse Deutsch Â Chief Financial Officer (Principal Financial and Â Â Jesse Deutsch Â Accounting Officer) Â September 23, 2024 Â Â Â Â Â /s/ Elizabeth Lowery Â Â Â Â Elizabeth Lowery Â Director Â September 23, 2024 Â Â Â Â Â /s/ Susan Yun Lee Â Â Â Â Susan Yun Lee Â Director Â September 23, 2024 Â Â Â Â Â /s/ D. Richard Fezell Â Â Â Â D. Richard Fezell Â Chairman of the Board, Director Â September 23, 2024 Â Â Â Â Â /s/ Sherif Marakby Â Â Â Â Sherif Marakby Â Director Â September 23, 2024 Â Â Â Â Â Â 37 EX-19.1 2 ex19-1.htm Â Exhibit 19.1 Â EX-21.1 3 ex21-1.htm Â Exhibit 21.1 Â Subsidiaries of American Battery Technology Company: Â Name of Subsidiary Â Jurisdiction of Subsidiary Â Â Â LithiumOre Corp. Â Nevada Aqua Metals Transfer LLC Â Nevada Â Â Â EX-23.1 4 ex23-1.htm Â Exhibit 23.1 Â Independent Registered Public Accounting Firmâ€™s Consent Â We consent to the incorporation by reference in the Registration Statement of American Battery Technology Company on Form S-3 (File Nos. 333-276329, 333-274524, and 333-271954) and Form S-8 (File No. 333-264431 and 333-257800) of our report dated September 27, 2023, with respect to our audits of the consolidated financial statements of American Battery Technology Company as of June 30, 2023 and for the year then ended, which report is included in this Annual Report on Form 10-K of American

Battery Technology Company for the year ended June 30, 2024. Â We were dismissed as Companyâ€™s auditors on January 4, 2024. Â /s/ Marcum llp Â Marcum llp Costa Mesa, CA September 23, 2024 Â Â Â EX-23.2 5 ex23-2.htm Â Exhibit 23.2 Â Independent Registered Public Accounting Firmâ€™s Consent Â We consent to the incorporation by reference in the Registration Statement of American Battery Technology Company on Form S-3 (File Nos. 333-276329, 333-274524, and 333-271954) and Form S-8 (File No. 333-264431 and 333-257800) of our report dated September 23, 2024, with respect to our audits of the consolidated financial statements of American Battery Technology Company. Â /s/ KPMG llp Â KPMG llp Portland, Oregon September 23, 2024 Â Â Â EX-31.1 6 ex31-1.htm Â EXHIBIT 31.1 Â CERTIFICATION OF PRINCIPAL EXECUTIVE OFFICER PURSUANT TO RULE 13a-14(a) OR 15d-14(a) OF THE SECURITIES EXCHANGE ACT OF 1934, AS ADOPTED PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002 Â I, Ryan Melsert, certify that: Â 1. I have reviewed this Form 10-K of American Battery Technology Company (the â€œRegistrantâ€); Â Â 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; Â Â 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; Â Â 4. The Registrantâ€™s other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act 13a-15(e) and 15d â€“ 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: Â (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; Â (b) Designed such internal control over financing 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; Â (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 to the period covered by this report based on such evaluation; and Â (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. Â 5. The Registrantâ€™s other certifying officer(s) 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): Â (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 Â (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. Â Date: September 23, 2024 By: /s/ Ryan Melsert Â Â Ryan Melsert Â Â Chief Executive Officer Â Â Â EX-31.2 7 ex31-2.htm Â EXHIBIT 31.2 Â CERTIFICATION OF PRINCIPAL FINANCIAL OFFICER PURSUANT TO RULE 13a-14(a) OR 15d-14(a) OF THE SECURITIES EXCHANGE ACT OF 1934, AS ADOPTED PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002 Â I, Jesse Deutsch, certify that: Â 1. I have reviewed this Form 10-K of American Battery Technology Company (the â€œRegistrantâ€); Â Â 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; Â Â 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; Â Â 4. The Registrantâ€™s other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act 13a-15(e) and 15d â€“ 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: Â (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; Â (b) Designed such internal control over financing 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; Â (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 to the period covered by this report based on such evaluation; and Â (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. Â 5. The Registrantâ€™s other certifying officer(s) 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): Â (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 Â (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. Â Date: September 23, 2024 By: /s/ Jesse Deutsch Â Â Jesse Deutsch Â Â Chief Financial Officer Â Â Â EX-32.1 8 ex32-1.htm Â EXHIBIT 32.1 Â CERTIFICATE PURSUANT TO 18 U.S.C. SECTION 1350 AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002 Â In connection with the annual report (the â€œReportâ€) on the Form 10-K of American Battery Technology Company (the â€œCompanyâ€) for the fiscal year ended June 30, 2024, as filed with the Securities and Exchange Commission on the date hereof, I, Ryan Melsert, Chief Executive Officer, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that, to the best of my knowledge and belief: Â 1. The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities and Exchange Act of 1934, as amended; and Â 2. The information contained in this Report fairly presents, in all material respects, the financial condition and results of operations of the Company. Â Date: September 23, 2024 By: /s/ Ryan Melsert Â Â Ryan Melsert Â Â Chief Executive Officer Â Â Â EX-32.2 9 ex32-2.htm Â EXHIBIT 32.2 Â CERTIFICATE PURSUANT TO 18 U.S.C. SECTION 1350 AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002 Â In connection with the annual report (the â€œReportâ€) on the Form 10-K of American Battery Technology Company (the â€œCompanyâ€) for the fiscal year ended June 30, 2024, as filed with the Securities and Exchange Commission on the date hereof, I, Jesse Deutsch, Chief Financial Officer, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that, to the best of my knowledge and belief: Â 1. The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities and Exchange Act of 1934, as amended; and Â 2. The information contained in this Report fairly presents, in all material respects, the financial condition and results of operations of the Company. Â Date: September 23, 2024 By: /s/ Jesse Deutsch Â Â Jesse Deutsch Â Â Chief Financial Officer Â Â Â EX-99.7 10 ex99-7.htm Â Exhibit 99.7 Â AMERICAN BATTERY TECHNOLOGY COMPANY Â CLAWBACK POLICY Â Introduction Â The Board of Directors (â€œBoardâ€) of American Battery Technology Company (the â€œCompanyâ€) believes that it is in the best interests of the Company and its shareholders to adopt this policy which provides for the recoupment of certain executive compensation in the event of an accounting restatement resulting from material noncompliance with financial reporting requirements under the federal securities laws (the â€œPolicyâ€). This Policy is designed to comply with Section 10D of the Securities Exchange Act of 1934, as amended (the â€œExchange Actâ€), Rule 10D-1 promulgated under the Exchange Act (â€œRule 10D-1â€) and Listing Rule 5608 of The Nasdaq Stock Market LLC (â€œNasdaqâ€). Â Administration Â This Policy shall be administered by the Board or, if so designated by the Board, the Compensation Committee of the Board (the â€œCompensation Committeeâ€) or the Audit Committee of the Board (the â€œAudit Committeeâ€), or any special committee comprised of members of the Compensation Committee or Audit Committee (the â€œAdministratorâ€). Any determinations made by the Administrator shall be final and binding on all affected individuals. Subject to any limitation at applicable law, the Administrator may authorize and empower any officer or employee of the Company to take any and all actions necessary or appropriate to carry out the purpose and intent of this Policy (other than with respect to any recovery under this Policy involving such officer or employee). Â Covered Executives Â This Policy applies to the Companyâ€™s current and former executive officers, as determined by the Administrator in accordance with Section 10D of the Exchange Act and the listing standards of the national securities exchange on which the Companyâ€™s securities are listed, and such other senior executives/employees who may from time to time be deemed subject to the Policy by the Administrator (each, a â€œCovered Executiveâ€). Â For the purposes of this Policy, â€œexecutive officersâ€ shall include persons subject to reporting and short-swing liability provisions of Section 16 under the Exchange Act. This shall include the Companyâ€™s Chief Executive Officer, Chief Financial Officer, Chief Operating Officer, Chief Resource Officer, president, principal financial officer, principal accounting officer, any vice president in charge of a principal business unit, division, or function (such as sales, administration, or finance), any other officer who performs a policy-making function, or any other person who performs similar policy-making functions for the Company and any person identified under Regulation S-K Rule 401(b) in the Companyâ€™s annual reports and proxy statements. Executive officers of a parent or subsidiary are deemed executive officers of the listed company if they perform such policy-making functions for the listed company or such parent or subsidiary. The policy-making function is not intended to include policy-making functions that are not significant. Â Recoupment; Accounting Restatement Â In the event the Company is required to prepare an accounting restatement of its financial statements due to the Companyâ€™s material noncompliance with any financial reporting requirement under the securities laws, including any required accounting restatement to correct an error in previously issued financial statements that is material to the previously issued financial statements, or that would result in a material misstatement if the error were corrected in the current period or left uncorrected in the current period, the Administrator will require, as promptly as it reasonably can, reimbursement or forfeiture of any Incentive Compensation, as defined below, received by any Covered Executive during the three completed fiscal years immediately preceding the date on which the Company is required to prepare an accounting restatement (the â€œRestatement Dateâ€), so long as the Incentive Compensation received by such Covered Executive is in excess of what would have been awarded or vested after giving effect to the accounting restatement. The amount to be recovered will be the excess of Incentive Compensation paid to the Covered Executive based on the erroneous data in the original financial statements over the Incentive Compensation that would have been paid to the Covered Executive had it been based on the restated results, without respect to any taxes paid. Â 1 Â Â The Restatement Date is defined as the earlier of (i) the date the Board, a Board committee, or management (if no Board action is required) concludes, or reasonably should have concluded, that the Company is required to prepare an accounting restatement or (ii) the date a court, regulator, or other legally authorized body directs the Company to prepare an accounting restatement. Â Incentive Compensation Â For purposes of this Policy, â€œIncentive Compensationâ€ means any of the following; provided that, such compensation is granted, earned, or vested based wholly or in part on the attainment of a financial reporting measure: Â Â â— Annual bonuses and other short- and long-term cash incentives. Â Â Â Â â— Stock options. Â Â Â Â â— Stock appreciation rights. Â Â Â Â â— Restricted stock. Â Â Â Â â— Restricted stock units. Â Â Â Â â— Performance shares. Â Â Â Â â— Performance units. Â Â Â Â â— Non-equity incentive plan awards. Â Financial reporting measures include any measure that is determined and presented in accordance with the accounting principles used in preparing the Companyâ€™s financial statements, and any measure that is derived wholly or in-part from such measure. The following examples (and any measures derived therefrom) are non-exhaustive: Â Â â— Company stock price. Â Â Â Â â— Total shareholder return. Â Â Â Â â— Revenues. Â Â Â Â â— Net income. Â Â Â Â â— Operating income. Â Â Â Â â— Earnings before interest, taxes, depreciation, and amortization (EBITDA). Â Â Â Â â— Funds from operations and adjusted funds from operations. Â Â Â Â â— Liquidity measures such as working capital or operating cash flow. Â Â Â Â â— Return measures such as return on invested capital or return on assets. Â Â Â Â â— Earnings measures such as earnings per share. Â Â Â Â â— Profitability of one or more reportable segments. Â Â Â Â â— Financial Ratios such as accounts receivable turnover and inventory turnover rates. Â 2 Â Â Â â— Sales per square foot or same store sales, where sales is subject to an accounting restatement. Â Â Â Â â— Revenue per user or average revenue per user. Â Â Â Â â— Cost per employee, where cost is subject to any accounting restatement. Â Â Â Â â— Any of such financial reporting measures relative to a peer group, where the Companyâ€™s financial reporting measure is subject to an accounting restatement; and tax basis income. Â Â Â Â â— Capital raised through debt or equity financing. Â Â Â Â â— Reductions in accounts receivables. Â For the avoidance of doubt, Incentive Compensation does not include annual salary, compensation awarded based on completion of a specified period of service, or compensation awarded based on subjective standards, strategic measures, or operational measures. Â Incentive Compensation includes incentive-based compensation received by a person: Â Â â— after beginning service as an executive officer; Â Â Â Â â— who serves as an executive officer at any time during the performance period for the incentive-based compensation; Â Â Â Â â— who served as an executive officer while the Company has a class of securities listed on a national securities exchange; and Â Â Â Â â— who serves as an executive officer during the three fiscal years preceding the Restatement Date). Â For the avoidance of doubt, subsequent changes in a Covered Executiveâ€™s employment status, including retirement or termination of employment, do not affect the Companyâ€™s rights to recover Incentive-Based Compensation pursuant to this Policy. Â Excess Incentive Compensation: Amount Subject to Recovery Â The amount to be recovered will be the excess of the Incentive Compensation paid to the Covered Executive based on the erroneous data over the Incentive Compensation that would have been paid to the Covered Executive had it been based on the restated results, as determined by the Administrator. Incentive Compensation is deemed â€œreceivedâ€ during the fiscal period during which the financial reporting measure specified in the incentive-based compensation award is attained, even if payment or grant of the Incentive Compensation occurs after the end of the period. Â If the Administrator cannot determine the amount of excess Incentive Compensation received by the Covered Executive directly from the information in the accounting restatement, then it will make its determination based on a reasonable estimate of the effect of the accounting restatement. Â Method of Recoupment Â The Administrator will determine, in its sole discretion, the method for recouping excess Incentive Compensation hereunder, which may include, without limitation: Â (a) requiring reimbursement of cash Incentive Compensation previously paid; Â (b) seeking recovery of any gain realized on the vesting, exercise, settlement, sale, transfer, or other disposition of any equity-based awards; Â 3 Â Â (c) offsetting the recouped amount from any compensation otherwise owed by the Company to the Covered Executive; Â (d)) cancelling outstanding vested or unvested equity awards; and/or Â (e) taking any other remedial and recovery action permitted by law, as determined by the Administrator. Â No Indemnification of Covered Executives Â The Company shall not indemnify any current or former Covered Executive against the loss of any incorrectly awarded Incentive Compensation, and shall not pay, or reimburse any Covered Executive for premiums for any insurance policy to fund such executiveâ€™s potential recovery obligations. Â Indemnification of the Administrator Â Any members of the Administrator who assist in the administration of this Policy, shall not be personally liable for any action, determination, or interpretation made with respect to this Policy and shall be fully indemnified by the Company to the fullest extent under applicable law and Company policy with respect to any such action, determination or interpretation. The foregoing sentence shall not limit any other rights to indemnification of the Administrator under applicable law or Company policy. Â Interpretation Â The Administrator is authorized to interpret and construe this Policy and to make all determinations necessary, appropriate, or advisable for the administration of this Policy. It is intended that this Policy be interpreted in a manner that is consistent with the requirements of Section 10D of the Exchange Act, Rule 10D-1, Nasdaq Listing Rule 5608, and any other applicable rules or standards adopted by the Securities and Exchange Commission or any national securities exchange on which the Companyâ€™s securities are then listed. Â Effective Date Â This Policy shall be effective as of the date it is adopted by the Administrator (the â€œEffective Dateâ€) and shall apply to Incentive Compensation that is approved, awarded, or granted to any Covered Executive on or after that date. Â Amendment; Termination Â The Board may amend this Policy from time to time in its discretion and shall amend this Policy as it deems necessary to reflect final regulations adopted by the Securities and Exchange Commission under Section 10D of the Exchange Act, Rule 10D-1 and Nasdaq Listing Rule 5608 and to comply with any other rules or standards adopted by a national securities exchange on which the Companyâ€™s securities are then listed. The Board may terminate this Policy at any time. Â Other Recoupment Rights Â The Administrator intends that this Policy will be applied to the fullest extent of the law. The Administrator may require that any employment agreement, equity award agreement, or similar agreement entered into on or after the Effective Date shall, as a condition to the grant of any benefit thereunder, require a Covered Executive to agree to abide by the terms of this Policy. Any right of recoupment under this Policy is in addition to, and not in lieu of, any other remedies or rights of recoupment that may be available to the Company pursuant to the terms of any similar policy in any employment agreement, equity award agreement, or similar agreement and any other legal remedies available to the Company. Â Impracticability Â The Administrator shall recover any excess Incentive Compensation in accordance with this Policy unless such recovery would be impracticable, as determined by the Administrator in accordance with Rule 10D-1 of the Exchange Act and the listing standards of the national securities exchange on which the Companyâ€™s securities are listed. Â Successors Â This Policy shall be binding and enforceable against all Covered Executives and their beneficiaries, heirs, executors, administrators or other legal representatives. Â Exhibit Filing Requirement Â A copy of this Policy and any amendments thereto shall be posted on the Companyâ€™s website and filed as an exhibit to the Companyâ€™s Annual Report on Form 10-K. Â 4 Â

GRAPHIC 11 form10-k_001.jpg begin 644 form10-k_001.jpg M_]C_X 02D9)1@ ! 0$ 8 !@ #_VP!#
@&!@<&!0@'!P<)"0@*#!0-# L+ M#!D2$P\4'1H?'AT:'!P@)"XG("
(L(QP<*#7J#A(6&AXB)BI*3E)66EYB9FJ*CI*6FIZBIJK*SM+6VM[BYNL+#Q,7& MQ\C)RM+3U-76U]C9VN'BX^3EYN?
HZ>KQ\O/T]?;W^/GZ_\0 'P$ P$! 0$! M 0$! 0 $" P0%!@<("0H+_\0 M1$ @$"! 0#! <%! 0 0)W $" M
Q$$!2$Q!A)!40=A<1,B,H$(%$*1H;'!"2,S4O 58G+1"A8D-.$E\1<8&1HF M)R@I*C4V-S@Y.D-
$149'2$E*4U155E=865IC9&5F9VAI:G-T=79W>'EZ@H.$
MA8:'B(F*DI.4E9:7F)F:HJ.DI::GJ*FJLK.TM;:WN+FZPL/$Q<;'R,G*TM/4 MU=;7V-G:XN/DY>;GZ.GJ\O/T]?;W^/GZ_]H # ,!
(1 Q$ /P#W^BBB@ HH MJ.65(8VDD=511EF)P *)**S-'US3M=MFNM.N$GB5BC,OJ*TN/7I0U;1B33U M0M%%%
PHHHH **** "BBB@ HHHH **** "BBB@ HHHH **** "BBHI9HX(FE ME=411DL3P!0 /)'$A=F"JHR3V KPOXD_$9M5D?1-
$D;[(IVS31]93Z#V_G7J M&G>+=-UF]FT\KPUC6O >O1O-;RQ+(TT$@XD0XY^O3FOHK1=8LM=TN*
M_LG#Q2#IW4]P?>LCQKX-M/%NF[#M2]C&89L9P?0^U>0Z#K.J^ ->EM[B)@F[
M$]N3PP]1[^AK25JJNMS+F="5G\+/H? I>W>J.F:I:ZM8QWEI()(G&1CJ/8^] M7>WZ5R-6.]--70N:,T>E>-_&/Q9=V%
[8Z5IMY-;R*IEF,4A4G(^49'XFKA!S ME9$SFH*[/9 :.?2OG;X<^-=3B\96D.I:C,IO$Y;1#?BT\I<&!R%SW[U'L&I:IJ,,Z?
>C,S$CMZ\FM>WL_B- MOO6GU:WVD1]8O]EGTH329&*YO7/$MOX3\+QW]_O:41*J19^>1\=/SZFO"M5^
M(/BSQ+>E+>YGA5S\EO9Y&!Z7#>B"!1F10I)8CMGTKHVYS574,#3[@8_Y
M9D8_"J@[231C7BI4Y1>UCQOPSI,FK:VMO#* M2^E8E"\0QC ZG\C7#?#X[O%3=_W3]OI7K! *X(&,&%/M*S*BR>Q
MXP:ZJW@TSPO;2-)PPSIU97ET1M_"3/\ 8%Z3G'VG@G_='^?QS7H7H/:N#^%B;-#O!_TW MY&>?
NCK7>#J/QK*M_$9Z.#=Z$?0;(Z11L[L%51DD]A7RYJES/XR^(4FP%S1'SSS]X_@*^??#>M3>'M8CU*WMDGE
MB!VAAP">_M6^'B^5R1->2YE%FOX_T,>$O&3Q62&*%=DL#?D?T-?0_AK5DUSP MY8:BO_+:(%O9AP?UKYQ\8>,;
[Q<]O+?6<,3P A7CSR#V_P ^M>D?!#7/.TZ\ MT:1OFA;SDY['@@?E^M56@W33>Z%1FE-I;,\Y^(I_XK_5#Z3'^=>@1?
&S3[;2 MHK>/29FFCA6,9<;20,'/M7G_ ,106\?ZJ">///2O8K3P3X&ETBW>2WLED>!2 MQ,P!!*CGK3DX9"CS'_&P?
1;IC#%=;(WW??3=CGURO\Z^J(G\R-7*XW ?+Z5EB;W3Z&N' MM9KJ?-7Q5_Y'_4._W1U]J^@/">/^$1TCCC['"_Z"*^?

Narrative)link:presentationLinklink:calculationLinklink:definitionLink 995656 - Disclosure - Other Deposits (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink 995657 - Disclosure - Schedule of Property and Equipment (Details)link:presentationLinklink:calculationLinklink:definitionLink 995658 - Disclosure - Property and Equipment (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink 995659 - Disclosure - Mining Properties (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink 995660 - Disclosure - Schedule of Intangible Assets (Details)link:presentationLinklink:calculationLinklink:definitionLink 995661 - Disclosure - Intangible Assets (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink 995662 - Disclosure - Schedule of Accounts Payable and Accrued Liabilities (Details)link:presentationLinklink:calculationLinklink:definitionLink 995663 - Disclosure - Accounts Payable and Accrued Liabilities (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink 995664 - Disclosure - Schedule of Net Carrying Amounts of the Notes (Details)link:presentationLinklink:calculationLinklink:definitionLink 995665 - Disclosure - Schedule of Maturities of Notes Payable (Details)link:presentationLinklink:calculationLinklink:definitionLink 995666 - Disclosure - Notes Payable (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink 995667 - Disclosure - Schedule of Operating Lease ROU Assets and Lease Liabilities (Details)link:presentationLinklink:calculationLinklink:definitionLink 995668 - Disclosure - Schedule of Maturity of Operating Lease Liabilities (Details)link:presentationLinklink:calculationLinklink:definitionLink 995669 - Disclosure - Schedule of Weighted Average Remaining Lease Term for Operating Leases and Weighted Average Discount Rate (Details)link:presentationLinklink:calculationLinklink:definitionLink 995670 - Disclosure - Leases (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink 995671 - Disclosure - Stockholders’ Equity (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink 995672 - Disclosure - Schedule of Share Purchase Warrants Activity (Details)link:presentationLinklink:calculationLinklink:definitionLink 995673 - Disclosure - Share Purchase Warrants (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink 995674 - Disclosure - Schedule of Restricted Shares and Restricted Share Units Non-vested (Details)link:presentationLinklink:calculationLinklink:definitionLink 995675 - Disclosure - Schedule of Stock-Based Compensation Expense (Details)link:presentationLinklink:calculationLinklink:definitionLink 995676 - Disclosure - Equity Compensation Awards (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink 995677 - Disclosure - Schedule of Federal Income Tax provision (Details)link:presentationLinklink:calculationLinklink:definitionLink 995678 - Disclosure - Schedule of Deferred Income Tax Assets and Liabilities (Details)link:presentationLinklink:calculationLinklink:definitionLink 995679 - Disclosure - Schedule of Unrecognized Tax Benefits (Details)link:presentationLinklink:calculationLinklink:definitionLink 995680 - Disclosure - Income Taxes (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink 995681 - Disclosure - Schedule of Statement of Cash Flow Disclosures (Details)link:presentationLinklink:calculationLinklink:definitionLink 995682 - Disclosure - Commitments and Contingencies (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink 995683 - Disclosure - Subsequent Events (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink EX-101.CAL 25 abat-20240630_cal.xml XBRL CALCULATION FILE EX-101.DEF 26 abat-20240630_def.xml XBRL DEFINITION FILE EX-101.LAB 27 abat-20240630_lab.xml XBRL LABEL FILE Class of Stock [Axis] Series A Preferred Stock [Member] Series B Preferred Stock [Member] Series C Preferred Stock [Member] Equity Components [Axis] Preferred Stock [Member] Common Stock [Member] Additional Paid-in Capital [Member] Common Stock Issuable [Member] Retained Earnings [Member] Revision of Prior Period [Axis] Revision of Prior Period, Error Correction, Adjustment [Member] Previously Reported [Member] As Corrected [Member] Finite-Lived Intangible Assets by Major Class [Axis] Building [Member] Building Improvements [Member] Equipment And Vehicles [Member] Statistical Measurement [Axis] Minimum [Member] Maximum [Member] Antidilutive Securities [Axis] Convertible Notes [Member] Warrant [Member] Restricted Stock [Member] Award Type [Axis] AMMTO Grant [Member] Award Date [Axis] October 1, 2021 [Member] USABC Grant [Member] September 1, 2023 [Member] October 1, 2023 [Member] Business Acquisition [Axis] Linico Corporation [Member] Collaborative Arrangement and Arrangement Other than Collaborative [Axis] Asset Purchase Agreement [Member] Aqua Metals Transfer LLC [Member] Membership Interest Purchase Agreement [Member] Amended Agreement [Member] Long-Lived Tangible Asset [Axis] Land [Member] Land and Building [Member] Water Rights [Member] Plan Name [Axis] Tonograph Flats Lithium Project [Member] Subsequent Event Type [Axis] Subsequent Event [Member] Settlement Agreement [Member] Credit Agreement [Member] Purchase Agreement [Member] Long-Term Debt, Type [Axis] Senior Secured Convertible Notes [Member] Measurement Input Type [Axis] Measurement Input, Price Volatility [Member] Fair Value Hierarchy and NAV [Axis] Fair Value, Inputs, Level 3 [Member] Measurement Input, Risk Free Interest Rate [Member] Series A, B and C Preferred Stock [Member] Prior Reverse Stock [Member] Post Reverse Stock [Member] Title and Position [Axis] Professional Service Providers [Member] Executives, Directors and Employees [Member] Officers [Member] Building Purchase Agreement [Member] Tysadco Agreement [Member] Legal Entity [Axis] Virtu Americas LLC [Member] Officer and Director [Member] 2021 Equity Retention Plan [Member] New Recycling Facility [Member] Sale of Stock [Axis] Sale Of Shares [Member] Share Purchase Agreement [Member] Series A Warrants [Member] Series B Warrants [Member] Placement Agent [Member] Share Purchase Agreement, Effective April 2, 2021 [Member] Tysadco Partners LLC [Member] Former Professional Service Provider [Member] 2021 Equity Retention Plan [Member] Officer [Member] Director [Member] Board of Directors Chairman [Member] Statement of Income Location, Balance [Axis] General and Administrative Expense [Member] Research and Development Expense [Member] Exploration [Member] Income Tax Jurisdiction [Axis] Domestic Tax Jurisdiction [Member] State and Local Jurisdiction [Member] Tax Credit Carryforward [Axis] Unused [Member] Indefinitely [Member] Executive Officer [Member] Subscription Agreement [Member] Cover [Abstract] Document Type Amendment Flag Amendment Description Document Registration Statement Document Annual Report Document Quarterly Report Document Transition Report Document Shell Company Report Document Shell Company Event Date Document Period Start Date Document Period End Date Document Fiscal Period Focus Document Fiscal Year Focus Current Fiscal Year End Date Entity File Number Entity Registrant Name Entity Central Index Key Entity Primary SIC Number Entity Tax Identification Number Entity Incorporation, State or Country Code Entity Address, Address Line One Entity Address, Address Line Two Entity Address, Address Line Three Entity Address, City or Town Entity Address, State or Province Entity Address, Country Entity Address, Postal Zip Code Country Region City Area Code Local Phone Number Extension Written Communications Soliciting Material Pre-commencement Tender Offer Pre-commencement Issuer Tender Offer Title of 12(b) Security No Trading Symbol Flag Trading Symbol Security Exchange Name Title of 12(g) Security Security Reporting Obligation Annual Information Form Audited Annual Financial Statements Entity Well-known Seasoned Issuer Entity Voluntary Filers Entity Current Reporting Status Entity Interactive Data Current Entity Filer Category Entity Small Business Entity Emerging Growth Company Elected Not To Use the Extended Transition Period Document Accounting Standard Other Reporting Standard Item Number Entity Shell Company Entity Public Float Entity Bankruptcy Proceedings, Reporting Current Entity Common Stock, Shares Outstanding Documents Incorporated by Reference [Text Block] ICFR Auditor Attestation Flag Document Financial Statement Error Correction [Flag] Document Financial Statement Restatement Recovery Analysis [Flag] Entity Listing, Par Value Per Share Auditor Name Auditor Firm ID Auditor Location Statement [Table] Statement [Line Items] ASSETS Current assets Cash Accounts receivable Inventory (Note 4) Grants receivable (Note 5) Prepaid expenses and deposits Subscription receivable Assets held-for-sale (Note 7) Total current assets Other deposits (Note 6) Property and equipment, net (Note 7) Mining properties (Note 8) Intangible assets (Note 9) Right-of-use asset (Note 12) Total assets LIABILITIES & STOCKHOLDERS’ EQUITY Current liabilities Accounts payable and accrued liabilities (Note 10) Notes payable (Note 11) Total current liabilities Equity compensation liability (Note 15) Long-term liabilities (Note 12) Total liabilities Commitments and contingencies (Note 18) STOCKHOLDERS’ EQUITY Preferred Stock value Common Stock Authorized: 80,000,000 common shares, par value of $0.001 per share; Issued and outstanding: 64,061,763 and 45,888,131 common shares as of June 30, 2024 and June 30, 2023, respectively Additional paid-in capital Common stock issuable Accumulated deficit Total stockholders’ equity Total liabilities and stockholders’ equity Preferred stock, shares authorized Preferred stock, par value Preferred stock, shares issued Preferred stock, shares outstanding Common stock, shares authorized Common stock, par value Common stock, shares issued Common stock, shares outstanding Income Statement [Abstract] Revenue Cost of goods sold Gross loss General and Administrative Research and development Exploration Impairment charge on held-for-sale assets Total operating expenses Net loss before other income (expense) Other income (expense) Interest expense Amortization and accretion of financing costs Unrealized loss on investment Gain on sale of mining claims Change in fair value of derivative liability Other income Total other income (expense) Net loss attributable to common stockholders Net loss per share, basic Net loss per share, diluted Weighted average shares outstanding basic Weighted average shares outstanding diluted Balance Beginning balance, shares Shares issued for services Shares issued for services, shares Shares issued upon vesting of share-based awards Shares issued upon vesting of share-based awards, shares Stock-based compensation expense Shares issued pursuant to share purchase agreement Shares issued pursuant to share purchase agreement, shares Shares issued towards plant acquisition Shares issued towards plant acquistion, shares Shares issued pursuant to registration statement Shares issued pursuant to registration statement, shares Shares issued from private placement, net of issuance costs Shares issued from private placement, net of issuance costs, shares Shares reclaimed from former service provider Shares reclaimed from former service provider, shares Net loss for the period Shares issued for services Shares issued for services, shares Shares issued pursuant to rounding of share reverse split Shares issued pursuant to rounding of share reverse split, shares Shares reclaimed pursuant to asset acquisition Shares reclaimed pursuant to asset acquisition, shares Shares issued pursuant to share purchase statement Shares issued pursuant to share purchase statement, shares Shares issued pursuant to warrant exercises costs Shares issued pursuant to warrant exercises, shares Balance Ending balance, shares Statement of Cash Flows [Abstract] Operating Activities Net loss attributable to common stockholders Adjustments to reconcile net loss to net cash used in operating activities: Depreciation expense Amortization and accretion of financing costs Amortization of right-of-use asset Stock-based compensation Shares issued for professional services Change in fair value of derivative liability Changes in operating assets and liabilities: Accounts receivable Inventory Grant receivables Prepaid expenses and deposits Accounts payable and accrued liabilities Net cash used in operating activities Investing Activities Other acquisition deposits Acquisition of property and equipment Purchase of mining properties Purchase of water rights/intangible assets Net cash used in investing activities Financing Activities Proceeds from exercise of share purchase warrants Principal paid on notes payable Proceeds from notes payable, net of debt discount Proceeds from issuance of common shares, net of issuance costs Proceeds from share purchase agreements Net cash provided by financing activities Increase (decrease) in cash Cash – beginning of period Cash – end of period Supplemental disclosures (Note 17) Pay vs Performance Disclosure [Table] Executive Category [Axis] Individual [Axis] Adjustment to Compensation [Axis] Measure [Axis] Pay vs Performance Disclosure, Table Company Selected Measure Name Named Executive Officers, Footnote Peer Group Issuers, Footnote Changed Peer Group, Footnote PEO Total Compensation Amount PEO Actually Paid Compensation Amount Adjustment To PEO Compensation, Footnote Non-PEO NEO Average Total Compensation Amount Non-PEO NEO Average Compensation Actually Paid Amount Adjustment to Non-PEO NEO Compensation Footnote Equity Valuation Assumption Difference, Footnote Compensation Actually Paid vs. Total Shareholder Return Compensation Actually Paid vs. Net Income Compensation Actually Paid vs. Company Selected Measure Total Shareholder Return Vs Peer Group Compensation Actually Paid vs. Other Measure Tabular List, Table Total Shareholder Return Amount Peer Group Total Shareholder Return Amount Net Income (Loss) Company Selected Measure Amount Other Performance Measure, Amount Adjustment to Compensation, Amount PEO Name Name Non-GAAP Measure Description Additional 402(v) Disclosure Pension Benefits Adjustments, Footnote Erroneously Awarded Compensation Recovery [Table] Restatement Determination Date [Axis] Restatement Determination Date Aggregate Erroneous Compensation Amount Erroneous Compensation Analysis Stock Price or TSR Estimation Method Outstanding Aggregate Erroneous Compensation Amount Aggregate Erroneous Compensation Not Yet Determined Name Forgone Recovery due to Expense of Enforcement, Amount Forgone Recovery due to Violation of Home Country Law, Amount Forgone Recovery due to Disqualification of Tax Benefits, Amount Forgone Recovery, Explanation of Impracticability Name Compensation Amount Restatement does not require Recovery Awards Close in Time to MNPI Disclosures [Table] Award Timing MNPI Disclosure Award Timing Method Award Timing Predetermined Award Timing MNPI Considered Award Timing, How MNPI Considered MNPI Disclosure Timed for Compensation Value Awards Close in Time to MNPI Disclosures, Table Name Underlying Securities Exercise Price Fair Value as of Grant Date Underlying Security Market Price Change Insider Trading Arrangements [Line Items] Material Terms of Trading Arrangement Name Title Rule 10b5-1 Arrangement Adopted Non-Rule 10b5-1 Arrangement Adopted Adoption Date Rule 10b5-1 Arrangement Terminated Non-Rule 10b5-1 Arrangement Terminated Termination Date Expiration Date Arrangement Duration No Insider Trading Flag Insider Trading Policies and Procedures [Line Items] Insider Trading Policies and Procedures Adopted Insider Trading Policies and Procedures Not Adopted Organization, Consolidation and Presentation of Financial Statements [Abstract] Organization and Nature of Operations Liquidity and Going Concern Considerations Accounting Policies [Abstract] Summary of Significant Accounting Policies Inventory Disclosure [Abstract] Inventories Government Grant And Tax Credit Awards Government Grant and Tax Credit Awards Deferred Costs, Capitalized, Prepaid, and Other Assets Disclosure [Abstract] Other Deposits Property, Plant and Equipment [Abstract] Property and Equipment Mining Properties Mining Properties Goodwill and Intangible Assets Disclosure [Abstract] Intangible Assets Payables and Accruals [Abstract] Accounts Payable and Accrued Liabilities Debt Disclosure [Abstract] Notes Payable Leases Leases Equity [Abstract] Stockholders’ Equity Share Purchase Warrants Share Purchase Warrants Share-Based Payment Arrangement [Abstract] Equity Compensation Awards Income Tax Disclosure [Abstract] Income Taxes Supplemental Cash Flow Elements [Abstract] Supplemental Statement of Cash Flow Disclosures Commitments and Contingencies Disclosure [Abstract] Commitments and Contingencies Subsequent Events [Abstract] Subsequent Events Basis of Presentation and Principles of Consolidation Use of Estimates Cash and Cash Equivalents Inventory Long-lived Assets Leases Mining Properties Intangible Assets Assets Held-For-Sale Accrued Claims and Contingencies Convertible Notes Derivative Financial Instruments Fair Value of Financial Instruments Revenue Recognition Cost of Goods Sold Exploration Costs Research and Development Costs Stock-based Compensation Income Taxes Loss per Share Government Grant and Tax Credit Awards Segments Reclassifications Accounting Pronouncements Schedule of Estimated Value Lives Schedule of Estimated Value Lives Schedule of Estimated Value Lives Schedule of Estimated Value Lives Schedule of Estimated Value Lives Schedule of Estimated Value Lives Schedule of Estimated Fair Value Schedule of Potentially Dilutive Shares Outstanding Schedule of Inventories Schedule of Effects of Government Grants Schedule of Property and Equipment Schedule of Intangible Assets Schedule of Accounts Payable and Accrued Liabilities Schedule of Net Carrying Amounts of the Notes Schedule of Maturities of Notes Payable Schedule of Operating Lease ROU Assets and Lease Liabilities Schedule of Maturity of Operating Lease Liabilities Schedule of Weighted Average Remaining Lease Term for Operating Leases and Weighted Average Discount Rate Schedule of Share Purchase Warrants Activity Schedule of Restricted Shares and Restricted Share Units Non-vested Schedule of Stock-Based Compensation Expense Schedule of Federal Income Tax provision Schedule of Deferred Income Tax Assets and Liabilities Schedule of Unrecognized Tax Benefits Schedule of Statement of Cash Flow Disclosures Net loss Net cash used in operating activities Accumulated deficit Liabilities and Stockholders’ Equity Current liabilities: Accounts payable and accrued liabilities Total current liabilities Total liabilities Stockholders’ equity Additional paid- in capital Total stockholders’ equity Operating expenses General and administrative Total operating expenses Net loss before other income (expense) Amortization of financing costs Total other income (expense) Net loss Stock-based compensation expense Net loss for period Accretion of financing costs Change in fair value of derivative liability Net

~~cash used in operating activities Intangible Asset, Finite-Lived [Table] Finite-Lived Intangible Assets [Line Items] Estimated useful life Property, Plant and Equipment [Table] Property, Plant and Equipment [Line Items] Weighted average expected term (years) Risk free interest rate Dividend yield Volatility Antidilutive Security, Excluded EPS Calculation [Table] Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Total potentially dilutive Reverse stock split Employee Stock Ownership Plan (ESOP), Compensation Expense Accounts Payable and Accrued Liabilities, Current Accounts Payable and Accrued Liabilities, Noncurrent Impairment charges Lessee operating lease description Raw materials Finished goods Total Schedule Of Effects Of Government Grants Reductions to research and development costs Reductions to property and equipment costs Total cost reductions due to grant reimbursements received Schedule of Share-Based Compensation Arrangements by Share-Based Payment Award [Table] Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Grants receivable Project budget Reimbursement percentage Reimbursement of eligible expenditure Government grant cumulative funds invoiced Percentage of net eligible reimbursements Tax Credit Carryforward, Amount Additional tax credit Restructuring Cost [Table] Restructuring Cost and Reserve [Line Items] Aggregate purchase price Business Combination, Step Acquisition, Equity Interest in Acquiree, Percentage Shares issued Purchase price expected Deposits Total Less: accumulated depreciation Property and equipment, net Assets held-for-sale Assets held-for-sale Area of land Mining properties Water rights Payments to acquire intangible assets Trade payables Accrued fixed assets Accrued expenses Marketing agreement settlement (Note 19) Right-of-use liability, current Total accounts payable and accrued liabilities Subsequent Event [Table] Subsequent Event [Line Items] Accounts payable and accrued liabilities Percentage Accouts payable Settlement amount Principal outstanding Unamortized debt discount and issuance costs Derivative liability associated with convertible notes Changes in fair market value of derivative liability Net carrying value Fiscal year ended June 30, 2025 Fiscal year ended June 30, 2026 Total note payments Less: unamortized debt discount and issuance costs Derivative liability, at fair value, less amortization Notes payable, current Notes payable, non-current Schedule of Long-Term Debt Instruments [Table] Debt Instrument [Line Items] Aggregrate loan amount Principal amount Loan commitment Description of notes payable interest rate Proceeds from secured notes payable Repayments of notes payable Line of credit Sale of stock Aggregate partial redemptions of convertible notes Debt instrument convertible conversion percent Interest rate Debt instrument maturity date Cash and cash equivalents at carrying value Fair value of derivative liability Loss on fair value of derivative liability Fair value of derivative liability Derivative liability measurement input Amortization of financing costs and discounts Schedule Of Operating Lease Rou Assets And Lease Liabilities Operating lease right-of-use asset Operating lease liabilities Operating Lease, Liability, Statement of Financial Position [Extensible Enumeration] Schedule Of Maturity Of Operating Lease Liabilities Fiscal year ended June 30, 2025 Total lease payments Less: discount Total operating lease liabilities Operating lease liabilities, current Operating lease liabilities, non-current Weighted average lease term (years) Weighted average discount rate Operating lease costs Current lease liabilities Stock, Class of Stock [Table] Class of Stock [Line Items] Common stock par value Number of shares issued Fair value of common stock issued for services Stock issued during period, shares, restricted stock award, gross Increase in stockholders equity Value of indemnification requirement as per agreement Number of shares reclaim Sale of stock, description Proceeds due from issuance of common stock Receivables net current Aggregate offering price Sale of common stock Proceeds of common stock Stock issued during period shares exercise of warrants Proceeds from issuance of warrants Pursuant to share purchase warrants Stock-based compensation expense Increase to additional paid-in capital Increase to compensation liability Bonuses settled in equity awards Stock-based compensation expense Stock issued during period, shares Stock issued for acquisition, value Percentage of discount on shares issued based on marketability Ownership percentage agreed to acquire Amount in escrow account Nullification of indemnification requirement amount Stock reclaimed from shareholders Share price Series B warrants that are exercisable Warrants per shares Warrant description Warrants issued as commission fee Commission fee Proceeds of common stock Share purchase description Aggregate proceeds of common stock Schedule Of Share Purchase Warrants Activity Number of warrants, Beginning Balance Weighted average exercise price, Beginning Balance Number of warrants, Granted Weighted average exercise price, Granted Number of warrants, Exercised Weighted average exercise price, Exercised Number of warrants, Expired Weighted average exercise price, Expired Number of warrants, Expired Number of warrants, Ending Balance Weighted average exercise price, Ending Balance Weighted average remaining contractual term, Ending balance Aggregate intrincic value outstanding, Ending balance Number of warrants exercisable Weighted average exercise price, Exercisable Weighted average remaining contractual term, Exercisable Aggregate intrincic value exercisable Common shares issued related to warrants exercised Stock issuance, shares Number of warrants, granted Weighted average grant date fair value of warrants Warrants contractual term Employee requisite service period Warrant exercise, shares Unvested share awards, Beginning Weighted average grant date fair value, Unvested share awards, Beginning Granted Weighted average grant date fair value, Granted Vested Weighted average grant date fair value, Vested Other Weighted average grant date fair value, Other Forfeitures Weighted average grant date fair value, Forfeitures Weighted average grant date fair value, Vested Unvested share awards, Ending Weighted average grant date fair value, Unvested share awards, Ending Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table] Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Line Items] Cost of goods sold Total stock-based compensation Award vest rate Outstanding percentage Number of restricted shares issued, shares Fair value of share awards vested Equity compensation liability Unamortized expenses Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Remaining Contractual Term Statutory Rate Computed expected tax recovery State income tax (benefit), net of federal benefit Section 162(m) adjustments Other permanent tax differences Share-based Compensation – RSUs/PSUs Uncertain Tax Positions Deferred Adjustments and Other Change in valuation allowance Total income tax provision Net operating losses Stock-based compensation Section 174 capitalization Other temporary differences Fixed Assets and Intangibles Valuation allowance Net Deferred Tax Asset Unrecognized tax benefits, beginning of period Decrease during the period Increase during the period Unrecognized tax benefits, end of period Effective Income Tax Rate Reconciliation [Table] Effective Income Tax Rate Reconciliation [Line Items] U.S. federal corporate statutory rate Deferred tax assets, valuation allowance Net operating loss carryforwards Operating loss carryforwards, limitations Federal research and development carryforwards Federal research and development carryforwards. expire Income tax, penalties and interest Maximum deductibility of compensation paid Supplemental disclosures: Interest paid Non-cash investing and financing activities: Purchases of property and equipment accrued in current liabilities Deposits capitalized as investing activities Fair value of common shares issued for investing activities Other receivables recognized as financing activities Assets transferred to assets held-for-sale Settlement of cash bonuses with equity awards Restoration cost estimate value Payments Shares of common stock value Purchase price of warrants Prepaid expenses and deposits. Subscription receivable current. Mining properties non current. Equity compensation liability. Common stock issuable. Amortization and accretion of financing costs. Gain on sale of mining claims. Change in fair value of derivative liability. Common Stock Issuable [Member] Shares issued for services professional services. Gain (Loss) In Fair Value of Derivative Liability. Stock issued during period value shares issued pursuant to share purchase agreement. Stock issued during period value shares issued towards plant acquistion. Stock issued during period value shares issued pursuant to registration statement. Stock issued during period share shares issued pursuant to registration statement. Shares reclaimed from former service provider. Project budget. AMMTO Grant [Member] Reimbursement grants eligible percentage. Reimbursement of eligible expenditure. Government grant cumulative funds invoiced. October 1, 2021 [Member] Percentage of net eligible reimbursements. USABC Grant [Member] September 1, 2023 [Member] October 1, 2023 [Member] Linico Corporation [Member] Asset Purchase Agreement [Member] Aqua Metals Transfer LLC [Member] Membership Interest Purchase Agreement [Member] Amended Agreement [Member] Stock issued during period shares pursuant to share purchase agreement. Mining Properties [Disclosure Text Block] Water Rights [Member] Accrued fixed assets Accrued expenses Stock issued during period value reverse stock splits. Marketing agreement settlement. Credit Agreement [Member] Description of notes payable interest rate Purchase Agreement [Member] Senior Secured Convertible Notes [Member] Shares issued for exercise of warrants. Stock issued during period shares exercise of warrants. Derivative liability associated with convertible notes. Changes in fair market value of derivative liability. Schedule Of Estimated Value Lives [Table Text Block] Schedule Of Operating Lease ROU Assets And Lease Liabilities [Table Text Block] Schedule Of Weighted Average Remaining Lease Term [Table Text Block] Prior Reverse Stock [Member] Post Reverse Stock [Member] Professional Service Providers [Member] Executives, Directors and Employees [Member] Officers [Member] Building Purchase Agreement [Member] Tysadco Agreement [Member] Stock issued during period shares cashless exercise of warrants. Officer and Director [Member] 2021 Equity Retention Plan [Member] New Recycling Facility [Member] Percentage of discount on shares issued based on marketability. Number of shares of common stock outstanding percentage. Sale Of Shares [Member] Cancellation indemnification requirement amount. Two Thousand Twenty One Equity Retention Plan [Member] Shares reclaimed from previously issued shareholders. Share based compensation arrangement by share based payment award equity instruments other than options other on Period. Share based compensation arrangement by share based payment award equity instruments other than options other in period weighted average grant date fair value. Share Purchase Agreement [Member] Unused [Member] Maximum deductibility of compensation paid. Cost of goods sold. Series A Warrants [Member] Placement Agent [Member] Commission fee. Share Purchase Agreement, Effective April 2, 2021 [Member] Settlement Agreement [Member] Share purchase description. Tysadco Partners LLC [Member] Share Purchase Warrants [Text Block] Stock issued during period shares warrant exercised. Weighted average exercise price outstanding. Share based compensation arrangement by share based payment award non option equity instruments weighted average exercise price granted. Weighted average exercise price, exercised. Share based compensation arrangement by share based payment award non option equity instruments weighted average exercise price expired. Mining Properties Costs [Policy Text Block] Accrued Claims and Contingencies [Policy Text Block] Government Grants Awards [Text Block] Stock issued during period shares shares issued towards plant acquistion. Equipment And Vehicles [Member] Convertible Notes [Member] Accounts payable and accrued liabilities percentage. Virtu Americas LLC [Member] Increase decrease in additional paid in capital. Former Professional Service Provider [Member] Fair value of common shares issued for investing activities. Other receivables recognized as financing activities. Shares reclaimed from former service provider shares. Increase decrease in compensation liability. Exploration [Member] Series A, B and C Preferred Stock [Member] Operating lease liabilites current. Derivative losses on derivative. Stock issued during period value issued related to professional services. Stock issued during period shares issued related to professional services. Aggregate partial redemptions of convertible notes. Series B Warrants [Member] Restoration cost estimates value. Impairment charge on heldforsale assets. Government Grant And Tax Credit Awards [Policy Text Block] Schedule Of Effects Of Government Grants [Table Text Block] Reductions to property and equipment costs. Reductions to research and development costs. Tonograph Flats Lithium Project [Member] Share based compensation arrangement by share based payment award non option equity instruments exercisable number. Share based compensation arrangement by share based payment award non option equity instruments weighted average exercise price exercisable. Warrants and rights exercisable term. Sharebased compensation arrangement by sharebased payment award equity instruments other than options aggregate intrinsic value exercisable. Assets transferred to assets held for sale. Settlement of cash bonuses with equity awards. Subscription Agreement [Member] Warrants contractual term. Income tax adjustments. Deferred tax assets capitalization. Unrecognized tax benefits period decrease. Unrecognized tax benefits period increase. Income tax deferred adjustments and other. Indefinitely [Member] No Insider Trading Flag. Uncertain tax positions. As Corrected [Member] Purchases of property and equipment accrued in current liabilities. 2021 Equity Retention Plan [Member] [Default Label] Assets, Current Assets Liabilities and Equity Gross Profit Interest Expense, Nonoperating Shares, Outstanding StockIssuedDuringPeriodValueIssuedRelatedToProfessionalServices StockIssuedDuringPeriodSharesIssuedRealtedToProfessionalServices Derivative, Gain (Loss) on Derivative, Net Increase (Decrease) in Accounts Receivable Increase (Decrease) in Inventories Increase (Decrease) in Notes Receivable, Current Increase (Decrease) in Prepaid Expenses, Other Payments to Acquire Other Productive Assets Payments to Acquire Other Property, Plant, and Equipment Payments to Acquire Mining Assets Payments to Acquire Mineral Rights Net Cash Provided by (Used in) Investing Activities Net Cash Provided by (Used in) Financing Activities Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Including Disposal Group and Discontinued Operations Forgone Recovery, Individual Name Outstanding Recovery, Individual Name Awards Close in Time to MNPI Disclosures, Individual Name Trading Arrangement, Individual Name MiningPropertiesDisclosureTextBlock Lessee, Operating Leases [Text Block] SharePurchaseWarrantsTextBlock Lessee, Leases [Policy Text Block] MiningPropertiesCostsPolicyTextBlock Goodwill and Intangible Assets, Intangible Assets, Policy [Policy Text Block] Income Tax, Policy [Policy Text Block] GovernmentGrantAndTaxCreditAwardsPolicyTextBlock Schedule Of Estimated Value Lives [Table Text Block] Amortization of Debt Issuance Costs APIC, Share-Based Payment Arrangement, Option, Increase for Cost Recognition GainLossInFairValueOfDerivativeLiability Government Assistance, Award Amount Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment Impairment of Long-Lived Assets to be Disposed of Debt Instrument, Unamortized Discount (Premium) and Debt Issuance Costs, Net Notes Payable [Default Label] Long-Term Debt Derivative, Fair Value, Net Derivative Liability, Subject to Master Netting Arrangement, before Offset Lessee, Operating Lease, Liability, to be Paid, Year One Lessee, Operating Lease, Liability, to be Paid Lessee, Operating Lease, Liability, Undiscounted Excess Amount Share-Based Payment Arrangement, Expense Share-Based Compensation Arrangement by Share-Based Payment Award, Non-Option Equity Instruments, Outstanding, Number Weighted average exercise price outstanding Warrants and Rights Outstanding, Term Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Aggregate Intrinsic Value, Outstanding ShareBasedCompensationArrangementByShareBasedPaymentAwardNonOptionEquityInstrumentsExercisableNumber ShareBasedCompensationArrangementByShareBasedPaymentAwardNonOptionEquityInstrumentsWeightedAverageExercisePriceExercisable WarrantsAndRightsExercisableTerm SharebasedCompensationArrangementBySharebasedPaymentAwardEquityInstrumentsOtherThanOptionsAggregateIntrinsicValueExercisable Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Number Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Weighted Average Grant Date Fair Value Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeited in Period Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeitures, Weighted Average Grant Date Fair Value Cost of Goods and Services Sold Income tax adjustments Income Tax Expense (Benefit) Deferred Tax Assets, Tax Deferred Expense, Compensation and Benefits, Share-Based Compensation Cost Deferred tax assets capitalization Deferred Tax Assets, Net of Valuation Allowance Unrecognized Tax Benefits Unrecognized tax benefits period decrease EX-101.PRE 28 abat-20240630_pre.xml XBRL PRESENTATION FILE XML 30 R1.htm IDEA: XBRL DOCUMENT~~

~~Cover - USD ($) $ / shares in Units, $ in Millions 12 Months Ended~~
~~Jun. 30, 2024~~
~~Jun. 30, 2023~~
~~Sep. 18, 2024~~
~~Dec. 31, 2023~~
~~Cover [Abstract] Document Type 10-K Amendment Flag false Document Annual Report true Document Transition Report false Document Period End Date Jun. 30, 2024 Document Fiscal Period Focus FY Document Fiscal Year Focus 2024 Current Fiscal Year End Date --06-30 Entity File Number 000-55088 Entity Registrant Name~~

~~AMERICAN BATTERY TECHNOLOGY COMPANY Entity Central Index Key0001576873 Entity Tax Identification Number33-1227980 Entity Incorporation, State or Country CodeNV Entity Address, Address Line One100 Washington Street Entity Address, Address Line TwoSuite 100 Entity Address, City or TownReno Entity Address, State or ProvinceNV Entity Address, Postal Zip Code89503 City Area Code(775) Local Phone Number473-4744 Trading SymbolABAT Security Exchange NameNASDAQ Title of 12(g) Security Common stock, $0.001 par value Entity Well-known Seasoned IssuerNo Entity Voluntary FilersNo Entity Current Reporting StatusYes Entity Interactive Data CurrentYes Entity Filer CategoryNon-accelerated Filer Entity Small Businesstrue Entity Emerging Growth Companyfalse Entity Shell Companyfalse Entity Public Float $ 231Entity Common Stock, Shares Outstanding 72,048,442 Documents Incorporated by Reference [Text Block]~~

~~Certain information in Part III of this Annual Report on Form 10-K is incorporated by reference to our definitive Proxy Statement for the 2024 Annual Meeting of Shareholders to be filed with the Securities and Exchange Commission within 120 days after the fiscal year ended June 30, 2024.~~

~~ICFR Auditor Attestation Flagfalse Document Financial Statement Error Correction [Flag]true Document Financial Statement Restatement Recovery Analysis [Flag]false~~

~~Entity Listing, Par Value Per Share$ 0.001 Auditor NameKPMG LLPMarcum LLP Auditor Firm ID185688 Auditor LocationPortland, OregonCosta Mesa, California~~

~~- Definition~~

~~Boolean flag that is true when the XBRL content amends previously-filed or accepted submission.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:dei_AmendmentFlag Namespace Prefix:dei_ Data Type:xbrli:booleanItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~PCAOB issued Audit Firm Identifier~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 10-K -Number 249 -Section 310Reference 2: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 20-F -Number 249 -Section 220 -Subsection fReference 3: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 40-F -Number 249 -Section 240 -Subsection f~~

~~+ Details~~

~~Name:dei_AuditorFirmId Namespace Prefix:dei_ Data Type:dei:nonemptySequenceNumberItemType Balance Type:na Period Type:duration~~

~~- References~~

~~Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 10-K -Number 249 -Section 310Reference 2: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 20-F -Number 249 -Section 220 -Subsection fReference 3: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 40-F -Number 249 -Section 240 -Subsection f~~

~~+ Details~~

~~Name:dei_AuditorLocation Namespace Prefix:dei_ Data Type:dei:internationalNameItemType Balance Type:na Period Type:duration~~

~~- References~~

~~Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 10-K -Number 249 -Section 310Reference 2: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 20-F -Number 249 -Section 220 -Subsection fReference 3: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 40-F -Number 249 -Section 240 -Subsection f~~

~~+ Details~~

~~Name:dei_AuditorName Namespace Prefix:dei_ Data Type:dei:internationalNameItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Area code of city~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:dei_CityAreaCode Namespace Prefix:dei_ Data Type:xbrli:normalizedStringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Cover page.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_CoverAbstract Namespace Prefix:dei_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~End date of current fiscal year in the format --MM-DD.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_CurrentFiscalYearEndDate Namespace Prefix:dei_ Data Type:xbrli:gMonthDayItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Boolean flag that is true only for a form used as an annual report.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 10-K -Number 249 -Section 310Reference 2: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 20-F -Number 249 -Section 220 -Subsection fReference 3: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 40-F -Number 249 -Section 240 -Subsection f~~

~~+ Details~~
~~Name:dei_DocumentAnnualReport Namespace Prefix:dei_ Data Type:xbrli:booleanItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Indicates whether any of the financial statement period in the filing include a restatement due to error correction.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 402 -Subsection wReference 2: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 10-K -Number 249 -Section 310Reference 3: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 20-F -Number 249 -Section 220 -Subsection fReference 4: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 40-F -Number 249 -Section 240 -Subsection f~~

~~+ Details~~
~~Name:dei_DocumentFinStmtErrorCorrectionFlag Namespace Prefix:dei_ Data Type:xbrli:booleanItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Indicates whether any of the financial statement periods include restatements that required a recovery analysis of incentive-based compensation received by any of the registrant's executive officers during the relevant recovery period pursuant to §240.10D-1(b).~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 402 -Subsection wReference 2: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 10-K -Number 249 -Section 310Reference 3: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 20-F -Number 249 -Section 220 -Subsection fReference 4: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 40-F -Number 249 -Section 240 -Subsection f~~

~~+ Details~~
~~Name:dei_DocumentFinStmtRestatementRecoveryAnalysisFlag Namespace Prefix:dei_ Data Type:xbrli:booleanItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~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.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_DocumentFiscalPeriodFocus Namespace Prefix:dei_ Data Type:dei:fiscalPeriodItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~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.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_DocumentFiscalYearFocus Namespace Prefix:dei_ Data Type:xbrli:gYearItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~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.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_DocumentPeriodEndDate Namespace Prefix:dei_ Data Type:xbrli:dateItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Boolean flag that is true only for a form used as a transition report.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~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'.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_DocumentType Namespace Prefix:dei_ Data Type:dei:submissionTypeItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Documents incorporated by reference.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-23~~

~~+ Details~~
~~Name:dei_DocumentsIncorporatedByReferenceTextBlock Namespace Prefix:dei_ Data Type:dtr-types:textBlockItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Address Line 1 such as Attn, Building Name, Street Name~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_EntityAddressAddressLine1 Namespace Prefix:dei_ Data Type:xbrli:normalizedStringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Address Line 2 such as Street or Suite number~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_EntityAddressAddressLine2 Namespace Prefix:dei_ Data Type:xbrli:normalizedStringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Name of the City or Town~~

~~+ References~~

~~No definition available.~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_EntityAddressCityOrTown Namespace Prefix:dei_ Data Type:xbrli:normalizedStringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Code for the postal or zip code~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_EntityAddressPostalZipCode Namespace Prefix:dei_ Data Type:xbrli:normalizedStringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Name of the state or province.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_EntityAddressStateOrProvince Namespace Prefix:dei_ Data Type:dei:stateOrProvinceItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~A unique 10-digit SEC-issued value to identify entities that have filed disclosures with the SEC. It is commonly abbreviated as CIK.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~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.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_EntityCommonStockSharesOutstanding Namespace Prefix:dei_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:instant~~

~~- Definition~~

~~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.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_EntityCurrentReportingStatus Namespace Prefix:dei_ Data Type:dei:yesNoItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Indicate if registrant meets the emerging growth company criteria.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~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.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_EntityFileNumber Namespace Prefix:dei_ Data Type:dei:fileNumberItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~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.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Two-character EDGAR code representing the state or country of incorporation.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_EntityIncorporationStateCountryCode Namespace Prefix:dei_ Data Type:dei:edgarStateCountryItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~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).~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~The par value per share of security quoted in same currency as Trading currency. Example: '0.01'.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_EntityListingParValuePerShare Namespace Prefix:dei_ Data Type:dtr-types:perShareItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~The aggregate market value of the voting and non-voting common equity held by non-affiliates computed by reference to the price at which the common equity was last sold, or the average bid and asked price of such common equity, as of the last business day of the registrant's most recently completed second fiscal quarter.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_EntityPublicFloat Namespace Prefix:dei_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:instant~~

~~- Definition~~

~~The exact name of the entity filing the report as specified in its charter, which is required by forms filed with the SEC.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Boolean flag that is true when the registrant is a shell company as defined in Rule 12b-2 of the Exchange Act.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Indicates that the company is a Smaller Reporting Company (SRC).~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~The Tax Identification Number (TIN), also known as an Employer Identification Number (EIN), is a unique 9-digit value assigned by the IRS.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Indicate 'Yes' or 'No' if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_EntityVoluntaryFilers Namespace Prefix:dei_ Data Type:dei:yesNoItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Indicate 'Yes' or 'No' if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Is used on Form Type: 10-K, 10-Q, 8-K, 20-F, 6-K, 10-K/A, 10-Q/A, 20-F/A, 6-K/A, N-CSR, N-Q, N-1A.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Securities Act -Number 230 -Section 405~~

~~+ Details~~

~~Name:dei_EntityWellKnownSeasonedIssuer Namespace Prefix:dei_ Data Type:dei:yesNoItemType Balance Type:na Period Type:duration~~

~~- References~~

~~Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 10-K -Number 249 -Section 310Reference 2: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 20-F -Number 249 -Section 220 -Subsection fReference 3: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 40-F -Number 249 -Section 240 -Subsection f~~

~~+ Details~~

~~Name:dei_IcfrAuditorAttestationFlag Namespace Prefix:dei_ Data Type:xbrli:booleanItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Local phone number for entity.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:dei_LocalPhoneNumber Namespace Prefix:dei_ Data Type:xbrli:normalizedStringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Title of a 12(g) registered security.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection g~~

~~+ Details~~

~~Name:dei_Security12gTitle Namespace Prefix:dei_ Data Type:dei:securityTitleItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Name of the Exchange on which a security is registered.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Trading symbol of an instrument as listed on an exchange.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:dei_TradingSymbol Namespace Prefix:dei_ Data Type:dei:tradingSymbolItemType Balance Type:na Period Type:duration XML 31 R2.htm IDEA: XBRL DOCUMENT Consolidated Balance Sheets - USD ($)Jun. 30, 2024Jun. 30, 2023Current assets Cash$ 7,001,786$ 2,320,149Accounts receivable228,499 Inventory (Note 4)154,320125,204Grants receivable (Note 5)191,522320,457Prepaid expenses and deposits1,813,0501,637,230Subscription receivable608,333350,550Assets held-for-sale (Note 7)8,408,538 Total current assets18,406,0484,753,590Other deposits (Note 6)27,740,587Property and equipment, net (Note 7)46,314,96629,946,099Mining properties (Note 8)8,392,9778,223,323Intangible assets (Note 9)4,519,0383,851,899Right-of-use asset (Note 12)42,103143,154Total assets77,675,13274,658,652Current liabilities Accounts payable and accrued liabilities (Note 10)9,350,9377,734,864Notes payable (Note 11)6,447,3616,000,000Total current liabilities15,798,29813,734,864Equity compensation liability (Note 15)409,194 Long-term liabilities (Note 12)54,304Total liabilities16,207,49213,789,168Commitments and contingencies (Note 18) STOCKHOLDERS' EQUITY Common Stock Authorized: 80,000,000 common shares, par value of $0.001 per share; Issued and outstanding: 64,061,763 and 45,888,131 common shares as of June 30, 2024 and June 30, 2023, respectively64,05945,887 Additional paid-in capital275,589,383223,134,798Common stock issuable(857,470)(1,484,693)Accumulated deficit(213,328,332)(160,826,508)Total stockholders' equity61,467,640 60,869,484Total liabilities and stockholders' equity77,675,13274,658,652Series A Preferred Stock [Member] STOCKHOLDERS' EQUITY Preferred Stock value Series B Preferred Stock [Member] STOCKHOLDERS' EQUITY Preferred Stock value Series C Preferred Stock [Member] STOCKHOLDERS' EQUITY Preferred Stock value~~

~~- Definition~~

~~Common stock issuable.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_CommonStockIssuable Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:instant~~

~~- Definition~~

~~Equity compensation liability.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:ABAT_EquityCompensationLiability Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:instant~~

~~- Definition~~

~~Mining properties non current.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:ABAT_MiningPropertiesNonCurrent Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:instant~~

~~- Definition~~

~~Prepaid expenses and deposits.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:ABAT_PrepaidExpensesAndDeposits Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:instant~~

~~- Definition~~

~~Subscription receivable current.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:ABAT_SubscriptionReceivableCurrent Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:instant~~

~~- Definition~~

~~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.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~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.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~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.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Amount of asset recognized for present right to economic benefit.~~

~~+ References~~

~~Reference 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*~~

~~*- Definition*~~

~~*Amount of asset recognized for present right to economic benefit, classified as current.*~~

~~*+ References*~~

~~*Reference 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~~

~~- References~~

~~No definition available.~~

~~+ Details~~

~~Name:us-gaap_AssetsCurrentAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Amount of assets held-for-sale that are not part of a disposal group, expected to be sold within a year or the normal operating cycle, if longer.~~

~~+ References~~

~~Reference 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://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 15 -Paragraph 4 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482309/360-10-15-4~~

~~+ Details~~

~~Name:us-gaap_AssetsHeldForSaleNotPartOfDisposalGroupCurrent Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:instant~~

~~- Definition~~

~~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.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~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.~~

~~+ References~~

~~Reference 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*~~

~~*- Definition*~~

~~*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.*~~

~~*+ References*~~

~~*Reference 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*~~

~~*- Definition*~~

~~*Carrying amount as of the balance sheet date of amounts due under the terms of governmental, corporate, or foundation grants. For classified balance sheets, represents the current amount receivable, that is amounts expected to be collected within one year or the normal operating cycle, if longer.*~~

~~*+ References*~~

~~*Reference 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(3)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1*~~

~~*+ Details*~~

~~*Name:us-gaap_GrantsReceivableCurrent Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:instant*~~

~~*- Definition*~~

~~*Sum of the carrying amounts of all intangible assets, excluding goodwill, as of the balance sheet date, net of accumulated amortization and impairment charges.*~~

~~*+ References*~~

~~*Reference 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~~

~~- Definition~~

~~Amount after valuation and LIFO reserves of inventory expected to be sold, or consumed within one year or operating cycle, if longer.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Amount of liability recognized for present obligation requiring transfer or otherwise providing economic benefit to others.~~

~~+ References~~

~~Reference 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*~~

~~*- Definition*~~

~~*Amount of liabilities and equity items, including the portion of equity attributable to noncontrolling interests, if any.*~~

~~*+ References*~~

~~*Reference 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~~

~~- Definition~~

~~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.~~

~~+ References~~

~~Reference 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~~

~~- References~~

~~No definition available.~~

~~+ Details~~

~~Name:us-gaap_LiabilitiesCurrentAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~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.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Present value of lessee's discounted obligation for lease payments from operating lease, classified as noncurrent.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Amount of lessee's right to use underlying asset under operating lease.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Amount of noncurrent assets classified as other.~~

~~+ References~~

~~Reference 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*~~

~~*- Definition*~~

~~*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.*~~

~~*+ References*~~

~~*Reference 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*~~

~~*- Definition*~~

~~*Amount after accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business to produce goods and services and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures.*~~

~~*+ References*~~

~~*Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -SubTopic 10 -Topic 360 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-7AReference 3: 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 4: 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)(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 360 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478451/942-360-50-1*~~

~~*+ Details*~~

~~*Name:us-gaap_PropertyPlantAndEquipmentNet Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:instant*~~

~~*- Definition*~~

~~*Amount of accumulated undistributed earnings (deficit).*~~

~~*+ References*~~

~~*Reference 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*~~

~~*- Definition*~~

~~*Amount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest.*~~

~~*+ References*~~

~~*Reference 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)*~~

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~~

~~- References~~

~~No definition available.~~

~~+ Details~~
~~Name:us-gaap_StockholdersEquityAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration~~

~~- Details~~
~~Name:us-gaap_StatementClassOfStockAxis=us-gaap_SeriesAPreferredStockMember Namespace Prefix: Data Type:na Balance Type: Period Type:~~

~~- Details~~
~~Name:us-gaap_StatementClassOfStockAxis=us-gaap_SeriesBPreferredStockMember Namespace Prefix: Data Type:na Balance Type: Period Type:~~

~~- Details~~
~~Name:us-gaap_StatementClassOfStockAxis=us-gaap_SeriesCPreferredStockMember Namespace Prefix: Data Type:na Balance Type: Period Type: XML 32 R3.htm IDEA: XBRL DOCUMENT~~
~~Consolidated Balance Sheets (Parenthetical) - $ / shares Jun. 30, 2024Jun. 30, 2023Preferred stock, shares authorized1,666,667 Common stock, shares authorized80,000,000 80,000,000Common stock, par value$ 0.001$ 0.001Common stock, shares issued64,061,76345,888,131Common stock, shares outstanding64,061,76345,888,131Series A Preferred Stock [Member] Preferred stock, shares authorized33,33433,334Preferred stock, par value$ 0.001$ 0.001Preferred stock, shares issued Preferred stock, shares outstanding Series B Preferred Stock [Member] Preferred stock, shares authorized133,334133,334Preferred stock, par value$ 10.00$ 10.00Preferred stock, shares issued Preferred stock, shares outstanding Series C Preferred Stock [Member] Preferred stock, shares authorized66,66766,667Preferred stock, par value$ 10.00$ 10.00Preferred stock, shares issued Preferred stock, shares outstanding~~

~~- Definition~~

~~Face amount or stated value per share of common stock.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~The maximum number of common shares permitted to be issued by an entity's charter and bylaws.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~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.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Number of shares of common stock outstanding. Common stock represent the ownership interest in a corporation.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Face amount or stated value per share of preferred stock nonredeemable or redeemable solely at the option of the issuer.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~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.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~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.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~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.~~

~~+ References~~

~~Reference 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~~

~~- Details~~
~~Name:us-gaap_StatementClassOfStockAxis=us-gaap_SeriesAPreferredStockMember Namespace Prefix: Data Type:na Balance Type: Period Type:~~

~~- Details~~
~~Name:us-gaap_StatementClassOfStockAxis=us-gaap_SeriesBPreferredStockMember Namespace Prefix: Data Type:na Balance Type: Period Type:~~

~~- Details~~
~~Name:us-gaap_StatementClassOfStockAxis=us-gaap_SeriesCPreferredStockMember Namespace Prefix: Data Type:na Balance Type: Period Type: XML 33 R4.htm IDEA: XBRL DOCUMENT~~
~~Consolidated Statements of Operations - USD ($)12 Months Ended~~
~~Jun. 30, 2024~~
~~Jun. 30, 2023~~
~~Income Statement [Abstract] Revenue$ 343,500 Cost of goods sold3,304,707 Gross loss(2,961,207) General and Administrative16,106,80712,848,131Research and development 14,325,6817,565,735Exploration4,121,9412,014,341Impairment charge on held-for-sale assets10,254,037 Total operating expenses44,808,46622,428,207Net loss before other income (expense)(47,769,673)(22,428,207)Other income (expense) Interest expense(158,078)(128,560)Amortization and accretion of financing costs(4,194,971) Unrealized loss on investment(62,497)(9,764)Gain on sale of mining claims298,391Change in fair value of derivative liability(338,886) Other income22,28177,000Total other income (expense) (4,732,151)237,067Net loss attributable to common stockholders$ (52,501,824)$ (22,191,140)Net loss per share, basic$ (1.02)$ (0.51)Net loss per share, diluted$ (1.02) $ (0.51)Weighted average shares outstanding basic51,243,10643,754,913Weighted average shares outstanding diluted51,243,10643,754,913~~

~~- Definition~~

~~Amortization and accretion of financing costs.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:ABAT_AmortizationAndAccretionOfFinancingCosts Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- Definition~~

~~Change in fair value of derivative liability.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:ABAT_ChangeInFairValueOfDerivativeLiability Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~Cost of goods sold.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:ABAT_CostOfGoodsAndServiceSold Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- Definition~~

~~Gain on sale of mining claims.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:ABAT_GainOnSaleOfMiningClaims Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~Impairment charge on heldforsale assets.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:ABAT_ImpairmentChargeOnHeldforsaleAssets Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- Definition~~

~~The amount of net income (loss) for the period per each share of common stock or unit outstanding during the reporting period.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~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.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Amount of capitalized exploration cost incurred during period and excluded from amortization for oil- and gas-producing activities accounted for under full cost method. Excludes acquisition and development costs and capitalized interest.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 932 -SubTopic 360 -Name Accounting Standards Codification -Section S50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477385/932-360-S50-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 932 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-10(c)(7)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479664/932-10-S99-1~~

~~+ Details~~

~~Name:us-gaap_ExplorationCosts Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- Definition~~

~~The aggregate total of expenses of managing and administering the affairs of an entity, including affiliates of the reporting entity, which are not directly or indirectly associated with the manufacture, sale or creation of a product or product line.~~

~~+ References~~

~~Reference 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-S99-2Reference 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)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1~~

~~+ Details~~

~~Name:us-gaap_GeneralAndAdministrativeExpense Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- Definition~~

~~Aggregate revenue less cost of goods and services sold or operating expenses directly attributable to the revenue generation activity.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI~~

Reference 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://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)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 9: 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(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 10: 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 11: 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 12: 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 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)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 14: 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 15: 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 16: 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 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)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 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)(i)) -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)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 20: 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 21: 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 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)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 23: 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_GrossProfit Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration*~~

~~*- References*~~

~~*No definition available.*~~

~~*+ Details*~~
~~*Name:us-gaap_IncomeStatementAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration*~~

~~*- Definition*~~

~~*Amount of interest expense classified as nonoperating.*~~

~~*+ References*~~

~~*Reference 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*~~

~~*- Definition*~~

~~*Amount, after deduction of tax, noncontrolling interests, dividends on preferred stock and participating securities; of income (loss) available to common shareholders.*~~

~~*+ References*~~

~~*Reference 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*~~

~~*- Definition*~~

~~*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).*~~

~~*+ References*~~

~~*Reference 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*~~

~~*- References*~~

~~*No definition available.*~~

~~*+ Details*~~
~~*Name:us-gaap_NonoperatingIncomeExpenseAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration*~~

~~*- Definition*~~

~~*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.*~~

~~*+ References*~~

~~*No definition available.*~~

~~*+ Details*~~
~~*Name:us-gaap_OperatingExpenses Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration*~~

~~*- Definition*~~

~~*The net result for the period of deducting operating expenses from operating revenues.*~~

~~*+ References*~~

~~*Reference 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~~

~~- Definition~~

~~Amount of income related to nonoperating activities, classified as other.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(7)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2~~

~~+ Details~~

~~Name:us-gaap_OtherNonoperatingIncome Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~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.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Amount, excluding 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.~~

~~+ References~~

~~Reference 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_RevenueFromContractWithCustomerExcludingAssessedTax Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration*~~

~~*- Definition*~~

~~*Amount of unrealized gain (loss) on investment.*~~

~~*+ References*~~

~~*Reference 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/1943274/2147482740/230-10-45-28*~~

~~*+ Details*~~
~~*Name:us-gaap_UnrealizedGainLossOnInvestments Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration*~~

~~*- Definition*~~

~~*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.*~~

~~*+ References*~~

~~*Reference 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*~~

~~- Definition~~

~~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.~~

~~+ References~~

~~Reference 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 34 R5.htm IDEA: XBRL DOCUMENT~~

~~Consolidated Statements of Stockholders' Equity - USD ($)~~	~~Preferred Stock [Member] Series A Preferred Stock [Member]~~	~~Preferred Stock [Member] Series C Preferred Stock [Member]~~	~~Common Stock [Member]~~	~~Additional Paid-in Capital [Member]~~	~~Common Stock Issuable [Member]~~	~~Retained Earnings [Member]~~	~~Total~~

~~Balance at Jun. 30, 2022 $ 42,943$ 188,151,484$ 75,000$ (138,635,368)$ 49,634,059Beginning balance, shares at Jun. 30, 2022 42,942,576 Shares issued for services $ 10 103,579(59,693)43,895Shares issued for services, shares 10,009 Shares issued upon vesting of share-based awards $ 399(399) Shares issued upon vesting of share-based awards, shares 399,024 Stock-based compensation expense 9,757,395 9,757,395Shares issued pursuant to share purchase agreement $ 4333,908,490 3,908,923Shares issued pursuant to share purchase agreement, shares 433,333 Shares issued towards plant acquisition $ 7337,358,267(1,500,000)5,859,000Shares issued towards plant acquistion, shares 733,333 Shares issued pursuant to registration statement $ 9528,856,399 8,857,351Shares issued pursuant to registration statement, shares 952,381 Shares issued from private placement, net of issuance costs $ 4764,999,524 $ 5,000,000Shares issued from private placement, net of issuance costs, shares 476,187 33,333Shares reclaimed from former service provider $ (59)59 Shares reclaimed from former service provider, shares (58,712) Net loss for the period (22,191,140)(22,191,140)Balance at Jun. 30, 2023 $ 45,887223,134,798(1,484,693)(160,826,508)60,869,484Ending balance, shares at Jun. 30, 2023 45,888,131 Shares issued upon vesting of share-based awards $ 1,291(1,291) Shares issued upon vesting of share-based awards, shares 1,291,590 Stock-based compensation expense 14,500,124 14,500,124Shares issued from private placement, net of issuance costs, shares 39,883 Net loss for the period (52,501,824)(52,501,824)Shares issued for services $ 1$ 15,172$ (15,306)$ (133)Shares issued for services, shares 1,326 Shares issued pursuant to rounding of share reverse split 59(59) Shares issued pursuant to rounding of share reverse split, shares 59,164 Shares reclaimed pursuant to asset acquisition $ (128)$ (1,255,649)$ 1,500,000$ 244,223Shares reclaimed pursuant to asset acquisition, shares (128,206) Shares issued pursuant to share purchase statement $ 16,83139,158,909(857,471)38,318,269Shares issued pursuant to share purchase statement, shares 16,830,997 Shares issued pursuant to warrant exercises costs $ 11837,379 37,497Shares issued pursuant to warrant exercises, shares 118,761 Balance at Jun. 30, 2024 $ 64,059$ 275,589,383$ (857,470)$ (213,328,332)$ 61,467,640~~

~~Ending balance, shares at Jun. 30, 2024 64,061,763~~

~~- Definition~~

~~Shares reclaimed from former service provider.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_SharesReclaimedFromFormerServiceProvider Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~Shares reclaimed from former service provider shares.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_SharesReclaimedFromFormerServiceProviderShares Namespace Prefix:ABAT_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Stock issued during period share shares issued pursuant to registration statement.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_StockIssuedDuringPeriodShareSharesIssuedPursuantToRegistrationStatement Namespace Prefix:ABAT_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Stock issued during period shares exercise of warrants.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_StockIssuedDuringPeriodSharesExerciseOfWarrants Namespace Prefix:ABAT_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Stock issued during period shares issued related to professional services.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_StockIssuedDuringPeriodSharesIssuedRealtedToProfessionalServices Namespace Prefix:ABAT_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Stock issued during period shares pursuant to share purchase agreement.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_StockIssuedDuringPeriodSharesPursuantToSharePurchaseAgreement Namespace Prefix:ABAT_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Stock issued during period shares shares issued towards plant acquistion.~~

~~+ References~~

~~*No definition available.*~~

~~*+ Details*~~
~~*Name:ABAT_StockIssuedDuringPeriodSharesSharesIssuedTowardsPlantAcquistion Namespace Prefix:ABAT_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:duration*~~

~~*- Definition*~~

~~*Shares issued for exercise of warrants.*~~

~~*+ References*~~

~~*No definition available.*~~

~~*+ Details*~~
~~*Name:ABAT_StockIssuedDuringPeriodValueExerciseOfWarrants Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration*~~

~~*- Definition*~~

~~*Stock issued during period value issued related to professional services.*~~

~~*+ References*~~

~~*No definition available.*~~

~~*+ Details*~~
~~*Name:ABAT_StockIssuedDuringPeriodValueIssuedRelatedToProfessionalServices Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration*~~

~~*- Definition*~~

~~*Stock issued during period value reverse stock splits.*~~

~~*+ References*~~

~~*No definition available.*~~

~~*+ Details*~~
~~*Name:ABAT_StockIssuedDuringPeriodValueReverseStockSplits Namespace Prefix:ABAT_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:duration*~~

~~*- Definition*~~

~~*Stock issued during period value shares issued pursuant to registration statement.*~~

~~*+ References*~~

~~*No definition available.*~~

~~*+ Details*~~
~~*Name:ABAT_StockIssuedDuringPeriodValueSharesIssuedPursuantToRegistrationStatement Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration*~~

~~*- Definition*~~

~~*Stock issued during period value shares issued pursuant to share purchase agreement.*~~

~~*+ References*~~

~~*No definition available.*~~

~~*+ Details*~~
~~*Name:ABAT_StockIssuedDuringPeriodValueSharesIssuedPursuantToSharePurchaseAgreement Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration*~~

~~*- Definition*~~

~~*Stock issued during period value shares issued towards plant acquistion.*~~

~~*+ References*~~

~~*No definition available.*~~

~~*+ Details*~~
~~*Name:ABAT_StockIssuedDuringPeriodValueSharesIssuedTowardsPlantAcquistion Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration*~~

~~*- Definition*~~

~~*Amount of increase in additional paid-in capital (APIC) for recognition of cost for employee stock purchase program (ESPP) award under share-based payment arrangement.*~~

~~*+ References*~~

~~*No definition available.*~~

~~*+ Details*~~
~~*Name:us-gaap_AdjustmentsToAdditionalPaidInCapitalShareBasedCompensationEmployeeStockPurchaseProgramRequisiteServicePeriodRecognition Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration*~~

~~*- Definition*~~

~~*Amount, after deduction of tax, noncontrolling interests, dividends on preferred stock and participating securities; of income (loss) available to common shareholders.*~~

~~*+ References*~~

~~*Reference 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*~~

~~*- Definition*~~

~~*Number of shares issued which are neither cancelled nor held in the treasury.*~~

~~*+ References*~~

~~*No definition available.*~~

~~*+ Details*~~

~~*Name:us-gaap_SharesOutstanding Namespace Prefix:us-gaap_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:instant*~~

~~*- Definition*~~

~~*Number of shares of stock issued during the period pursuant to acquisitions.*~~

~~*+ References*~~

~~*Reference 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~~

~~- Definition~~

~~Number of shares issued in lieu of cash for services contributed to the entity. Number of shares includes, but is not limited to, shares issued for services contributed by vendors and founders.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:us-gaap_StockIssuedDuringPeriodSharesIssuedForServices Namespace Prefix:us-gaap_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Number of new stock issued during the period.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Number of shares of stock issued attributable to transactions classified as other.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:us-gaap_StockIssuedDuringPeriodSharesOther Namespace Prefix:us-gaap_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Number of shares of stock issued during the period as part of a transaction to acquire assets that do not qualify as a business combination.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:us-gaap_StockIssuedDuringPeriodSharesPurchaseOfAssets Namespace Prefix:us-gaap_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Reduction in the number of shares during the period as a result of a reverse stock split.~~

~~+ References~~

~~Reference 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_StockIssuedDuringPeriodSharesReverseStockSplits Namespace Prefix:us-gaap_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Value of stock issued pursuant to acquisitions during the period.~~

~~+ References~~

~~Reference 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 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 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_StockIssuedDuringPeriodValueAcquisitions Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~Value of stock issued in lieu of cash for services contributed to the entity. Value of the stock issued includes, but is not limited to, services contributed by vendors and founders.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:us-gaap_StockIssuedDuringPeriodValueIssuedForServices Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~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.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Value of shares of stock issued attributable to transactions classified as other.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:us-gaap_StockIssuedDuringPeriodValueOther Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~Value of shares of stock issued during the period as part of a transaction to acquire assets that do not qualify as a business combination.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:us-gaap_StockIssuedDuringPeriodValuePurchaseOfAssets Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~Amount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest.~~

~~*+ References*~~

~~*Reference 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 XML 35 R6.htm IDEA: XBRL DOCUMENT~~

~~Consolidated Statements of Cash Flows - USD ($)12 Months Ended~~
~~Jun. 30, 2024~~
~~Jun. 30, 2023~~
~~Operating Activities Net loss attributable to common stockholders$ (52,501,824)$ (22,191,140)Adjustments to reconcile net loss to net cash used in operating activities: Depreciation expense1,678,73096,681Amortization and accretion of financing costs4,194,971 Amortization of right-of-use asset101,051101,049Impairment charge on held-for-sale assets10,254,037 Stock-based compensation14,566,3189,757,395Shares issued for professional services(133)43,895Change in fair value of derivative liability338,886 Changes in operating assets and liabilities: Accounts receivable(228,499) Inventory(29,116)(125,204)Grant receivables128,935(320,457)Prepaid expenses and deposits(551,420)(887,403) Accounts payable and accrued liabilities5,311,833157,204Net cash used in operating activities(16,736,231)(13,367,980)Investing Activities Other acquisition deposits (279,878)(21,881,587)Acquisition of property and equipment(11,752,994)(6,761,851)Purchase of mining properties(169,654)(8,073,323)Purchase of water rights/intangible assets (766,693) Net cash used in investing activities(12,969,219)(36,716,761)Financing Activities Proceeds from exercise of share purchase warrants37,497 Principal paid on notes payable(24,000,000) Proceeds from notes payable, net of debt discount20,289,1046,000,000Proceeds from issuance of common shares, net of issuance costs13,857,351Proceeds from share purchase agreements38,060,4863,558,373Net cash provided by financing activities34,387,08723,415,724Increase (decrease) in cash4,681,637(26,669,017)Cash – beginning of period2,320,14928,989,166Cash – end of period$ 7,001,786$ 2,320,149~~

~~- Definition~~

~~Amortization and accretion of financing costs.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_AmortizationAndAccretionOfFinancingCosts Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- Definition~~

~~Impairment charge on heldforsale assets.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_ImpairmentChargeOnHeldforsaleAssets Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- Definition~~

~~Shares issued for services professional services.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_SharesIssuedForServicesProfessionalServices Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- References~~

~~No definition available.~~

~~+ Details~~

~~Name:us-gaap_AdjustmentsToReconcileNetIncomeLossToCashProvidedByUsedInOperatingActivitiesAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Amount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; including, but not limited to, 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.~~

~~+ References~~

~~Reference 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_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsIncludingDisposalGroupAndDiscontinuedOperations Namespace Prefix:us-gaap_ Data Type: xbrli:monetaryItemType Balance Type:debit Period Type:instant~~

~~- Definition~~

~~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.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~The amount of expense recognized in the current period that reflects the allocation of the cost of tangible assets over the assets' useful lives. Includes production and non-production related depreciation.~~

~~+ References~~

~~Reference 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_Depreciation Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- Definition~~

~~Amount of increase (decrease) in the fair value of derivatives recognized in the income statement.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 815 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4A -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-4A~~

~~+ Details~~

~~Name:us-gaap_DerivativeGainLossOnDerivativeNet Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~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.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~The increase (decrease) during the reporting period in amount due within one year (or one business cycle) from customers for the credit sale of goods and services.~~

~~+ References~~

~~Reference 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_IncreaseDecreaseInAccountsReceivable Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~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.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~The increase (decrease) during the reporting period of amounts due within one year (or one business cycle) from note holders for outstanding loans.~~

~~+ References~~

~~Reference 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_IncreaseDecreaseInNotesReceivableCurrent Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- References~~

~~No definition available.~~

~~+ Details~~
~~Name:us-gaap_IncreaseDecreaseInOperatingCapitalAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Amount of increase (decrease) of consideration paid in advance for other costs that provide economic benefits in future periods.~~

~~+ References~~

~~Reference 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_IncreaseDecreaseInPrepaidExpensesOther Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~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.~~

~~+ References~~

~~Reference 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~~

~~- References~~

~~No definition available.~~

~~+ Details~~

~~Name:us-gaap_NetCashProvidedByUsedInFinancingActivitiesAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~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.~~

~~+ References~~

~~Reference 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~~

~~- References~~

~~No definition available.~~

~~+ Details~~

~~Name:us-gaap_NetCashProvidedByUsedInInvestingActivitiesAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~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.~~

~~+ References~~

~~Reference 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~~

~~- References~~

~~No definition available.~~

~~+ Details~~

~~Name:us-gaap_NetCashProvidedByUsedInOperatingActivitiesAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Amount, after deduction of tax, noncontrolling interests, dividends on preferred stock and participating securities; of income (loss) available to common shareholders.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Amount of periodic reduction over lease term of carrying amount of right-of-use asset from operating lease.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~The cash outflow from the acquisition of a mineral right which is the right to extract a mineral from the earth or to receive payment, in the form of royalty, for the extraction of minerals.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 13 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-13~~

~~+ Details~~
~~Name:us-gaap_PaymentsToAcquireMineralRights Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~The cash outflow from the purchase of mining and mining related assets during the period.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 13 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-13~~

~~+ Details~~
~~Name:us-gaap_PaymentsToAcquireMiningAssets Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~Amount of cash outflow for the purchase of or improvements to tangible or intangible assets, used to produce goods or deliver services, classified as other.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 13 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-13~~

~~+ Details~~
~~Name:us-gaap_PaymentsToAcquireOtherProductiveAssets Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~Amount of cash outflow from the acquisition of or improvements to long-lived, physical assets used to produce goods and services and not intended for resale, classified as other.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 13 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-13~~

~~+ Details~~
~~Name:us-gaap_PaymentsToAcquireOtherPropertyPlantAndEquipment Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~The cash inflow from the additional capital contribution to the entity.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~The cash inflow from issuance of rights to purchase common shares at predetermined price (usually issued together with corporate debt).~~

~~+ References~~

~~Reference 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_ProceedsFromIssuanceOfWarrants Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- Definition~~

~~The cash inflow from a borrowing supported by a written promise to pay an obligation.~~

~~+ References~~

~~Reference 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_ProceedsFromNotesPayable Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- Definition~~

~~Amount of cash inflow (outflow) from long-term debt supported by a written promise to pay an obligation.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:us-gaap_ProceedsFromRepaymentsOfNotesPayable Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- Definition~~

~~Amount of cash inflow from exercise of option under share-based payment arrangement.~~

~~+ References~~

~~Reference 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/1943274/2147482740/230-10-45-14Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2A -Subparagraph (a) -SubTopic 10 -Topic 718 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2A~~

~~+ Details~~
~~Name:us-gaap_ProceedsFromStockOptionsExercised Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- Definition~~

~~Amount of noncash expense for share-based payment arrangement.~~

~~+ References~~

~~Reference 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 XML 36 R7.htm IDEA: XBRL DOCUMENT~~
~~Pay vs Performance Disclosure - USD ($)12 Months Ended~~
~~Jun. 30, 2024~~
~~Jun. 30, 2023~~

~~Pay vs Performance Disclosure [Table] Net Income (Loss)$ (52,501,819)$ (21,338,207)~~

~~- References~~

~~Reference 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~~

~~- Definition~~

~~The portion of profit or loss for the period, net of income taxes, which is attributable to the parent.~~

~~+ References~~

~~Reference 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~~