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Employer Identification No.)201 Isabella Street, Suite 200, Pittsburgh, Pennsylvania 15212-5872 (Address of principal executive offices)Â Â Â Â Â (Zip code)Investor Relations 412-553-1950Office of the Secretary 412-553-1940 (Registrantâ€™s telephone numbers, including area code)Securities registered pursuant to Section 12(b) of the Act:Title of each classÂ Trading SymbolName of each exchange on which registeredÂ Common Stock, par value $1.00 per shareHWMNew York Stock Exchange$3.75 Cumulative Preferred Stock, par value $100.00 per shareHWM PRNYSE AmericanIndicate by check mark whether the registrant (1)Â has filed all reports required to be filed by SectionÂ 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2)Â has been subject to such filing requirements for the past 90 days.Â Â YesÂ Â âœ"Â Â Â Â NoÂ Â Â Â Â Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (Â§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files).Â YesÂ Â âœ"Â Â Â Â NoÂ Â Â Â 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.Large accelerated filerxAcceleratedÂ filerÂ˜Non-acceleratedÂ filerÂ˜SmallerÂ reportingÂ companyÂ˜EmergingÂ growthÂ companyÂ˜If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to SectionÂ 13(a) of the Exchange Act.Â Â Â Â Â Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). YesÂ Â˜Â Â Â Â NoÂ Â xAs of JulyÂ 26, 2024, there were 408,146,607 shares of common stock, par value $1.00 per share, of the registrant outstanding. TABLE OF CONTENTSÂ Â Â PagePartÂ IItemÂ 1.Financial Statements and Supplementary Data3Statement of Consolidated Operations for the Second Quarter and Six Months Ended June 30, 2024 and 20233Statement of Consolidated Comprehensive Income for the Second Quarter and Six Months Ended June 30, 2024 and 20234Consolidated Balance Sheet as of June 30, 2024 and December 31, 20235Statement of Consolidated Cash Flows for the Six Months Ended June 30, 2024 and 20236Statement of Changes in Consolidated Equity for the Second Quarter Ended June 30, 2024 and 20237Statement of Changes in Consolidated Equity for the Six Months Ended June 30, 2024 and 20238Notes to the Consolidated Financial Statements9Item 2.Management's Discussion and Analysis of Financial Condition and Results of Operations25Item 3.Quantitative and Qualitative Disclosures About Market Risk33Item 4.Controls and Procedures33Part IIItem 1.Legal Proceedings33Item 1A.Risk Factors33Item 2.Unregistered Sales of Equity Securities and Use of Proceeds33Item 5.Other Information33Item 6.Exhibits34Signatures35 PART I â€" FINANCIAL INFORMATIONItemÂ 1. Financial Statements and Supplementary Data.Howmet Aerospace Inc. and subsidiaries Statement of Consolidated Operations (unaudited)(in millions, except per-share amounts)Second quarter endedSix months endedÂ June 30,June 30,Â 202420230242023Sales (C)$1,880Â $1,648Â $3,704Â $3,251Â Cost of goods sold (exclusive of expenses below)1,287Â 1,196Â 2,577Â 2,360Â Selling, general administrative, and other expenses97Â 88Â 185Â 163Â Research and development expenses7Â 9Â 17Â 18Â Provision for depreciation and amortization69Â 67Â 136Â 136Â Restructuring and other charges (D)22Â 3Â 22Â 4Â Operating income398Â 285Â 767Â 570Â Loss on debt redemption (N)â€"Â â€"Â â€"Â 1Â Interest expense, net49Â 55Â 98Â 112Â Other expense (income), net (F)15Â (13)32Â (6)Income before income taxes334Â 243Â 637Â 463Â Provision for income taxes (G)68Â 50Â 128Â 122Â Net income$266Â $193Â $509Â $341Â Amounts Attributable to Howmet Aerospace Common Shareholders (H):Net income$266Â $193Â $508Â $340Â Earnings per share:Basic$0.65Â $0.47Â $1.24Â $0.82Â Diluted$0.65Â $0.46Â $1.23Â $0.81Â Average Shares Outstanding (H):Basic408Â 413Â 409Â 413Â Diluted411Â 417Â 411Â 417Â Â Â Â Â The accompanying notes are an integral part of the consolidated financial statements.3 Howmet Aerospace Inc. and subsidiariesStatement of Consolidated Comprehensive Income (unaudited)(in millions)Second quarter endedSix months endedÂ June 30,June 30,20242023202420234Net income$266Â $193Â $509Â $341Â Other comprehensive income (loss), net of tax (I):Change in unrecognized net actuarial loss and prior service cost related to pension and other postretirement benefits4Â 4Â 7Â 9Â Foreign currency translation adjustments (4)4Â (41)38Â Net change in unrecognized gains (losses) on cash flow hedges3Â (10)6Â (14)Total Other comprehensive income (loss), net of tax 3Â (2)(28)33Â Comprehensive income$269Â $191Â $481Â $374Â The accompanying notes are an integral part of the consolidated financial statements.4 Howmet Aerospace Inc. and subsidiariesConsolidated Balance Sheet (unaudited)(in millions)June 30, 2024December 31, 2023AssetsCurrent assets:Cash and cash equivalents$752Â $610Â Receivables from customers, less allowances of $â€" in both 2024 and 2023 (J)749Â 675Â Other receivables19Â 17Â Inventories (K)1,848Â 1,765Â Prepaid expenses and other current assets235Â 249Â Total current assets3,603Â 3,316Â Properties, plants, and equipment, net (L)2,307Â 2,328Â Goodwill4,016Â 4,035Â Deferred income taxes32Â 46Â Intangibles, net489Â 505Â Other noncurrent assets (M)232Â 198Â Total assets$10,679Â $10,428Â LiabilitiesCurrent liabilities:Accounts payable, trade (Q)$971Â $982Â Accrued compensation and retirement costs235Â 263Â Taxes, including income taxes (G)81Â 68Â Accrued interest payable64Â 65Â Other current liabilities (M)(Q)225Â 200Â Long-term debt due within one year (N)782Â 206Â Total current liabilities2,358Â 1,784Â Long-term debt (N)(O)2,877Â 3,500Â Accrued pension benefits (E)645Â 664Â Accrued other postretirement benefits (E)90Â 92Â Other noncurrent liabilities and deferred credits (M)432Â 351Â Total liabilities6,402Â 6,391Â Contingencies and commitments (Q)EquityHowmet Aerospace shareholdersâ€™ equity:Preferred stock55Â 55Â Common stock408Â 410Â Additional capital3,486Â 3,682Â Retained earnings2,186Â 1,720Â Accumulated other comprehensive loss (I)(1,858)(1,830)Total equity4,277Â 4,037Â Total liabilities and equity$10,679Â $10,428Â The accompanying notes are an integral part of the consolidated financial statements.5 Howmet Aerospace Inc. and subsidiariesStatement of Consolidated Cash Flows (unaudited)(in millions)Six months endedÂ June 30,Â 20242023Operating activities Net income$509Â $341Â Adjustments to reconcile net income to cash provided from operations:Depreciation and amortization136Â 136Â Deferred income taxes67Â 57Â Restructuring and other charges22Â 4Â Net realized and unrealized losses13Â 11Â Net periodic pension cost (E)20Â 19Â Stock-based compensation38Â 26Â Loss on debt redemption (N)â€"Â 1Â Other7Â â€"Â Changes in assets and liabilities, excluding effects of acquisitions, divestitures, and foreign currency translation adjustments:Increase in receivables (J)(100)(141)Increase in inventories(109)(99)Decrease (increase) in prepaid expenses and other current assets5Â (9)Increase (decrease) in accounts payable, trade6Â (80)Decrease in accrued expenses (17)(15)Increase in taxes, including income taxes13Â 31Â Pension contributions (17)(12)(Increase) decrease in noncurrent assets(7)1Â Decrease in noncurrent liabilities(12)(19)Cash provided from operations574Â 252Â Financing ActivitiesRepurchases and payments on debt (N)(23)(176)Premiums paid on early redemption of debt (N)â€"Â (1)RepurchasesÂ ofÂ commonÂ stock(210)(125)Proceeds from exercise of employee stock options6Â 9Â Dividends paid to shareholders(42)(35)Taxes paid for net share settlement of equity awards(32)(75)Cash used for financing activities(301)(403)Investing ActivitiesCapital expenditures (C)(137)(105)Proceeds from the sale of assets and businesses (D and P)8Â â€"Â Cash used for investing activities(129)(105)Effect of exchange rate changes on cash, cash equivalents and restricted cash(2)â€"Â Net change in cash, cash equivalents and restricted cash 142Â (256)Cash, cash equivalents and restricted cash at beginning of period 610Â 792Â Cash, cash equivalents and restricted cash at end of period$752Â $536Â Â Â Â Â The accompanying notes are an integral part of the consolidated financial statements.6 Howmet Aerospace Inc. and subsidiariesStatement of Changes in Consolidated Equity (unaudited)(in millions, except per-share amounts)Â PreferredstockCommonstockAdditionalcapitalRetained earningsAccumulatedothercomprehensivelossTotalEquityBalance at March 31, 2023$55Â $412Â $3,941Â $1,159Â $(1,806)$3,761Â Net incomeâ€"Â â€"Â â€"Â 193Â â€"Â 193Â Other comprehensive loss (I)â€"Â â€"Â â€"Â â€"Â (2)(2)Cash dividends declared:Â Common @ $0.04 per shareâ€"Â â€"Â â€"Â â€"Â (18)â€"Â (18)Repurchase and retirement of common stock (H)â€"Â (3)(97)â€"Â â€"Â (100)Stock-based compensation â€"Â â€"Â 12Â â€"Â â€"Â 12Â Common stock issued: compensation plans â€"Â 3Â (74)â€"Â â€"Â (71)Balance at June 30, 2023$55Â $412Â $3,782Â $1,334Â $(1,808)$3,775Â Â Â PreferredstockCommonstockAdditionalcapitalRetained earningsAccumulatedothercomprehensivelossTotalEquityBalance at March 31, 2024$55Â $408Â $3,542Â $1,942Â $(1,861)$4,086Â Net incomeâ€"Â â€"Â â€"Â 266Â â€"Â 266Â Other comprehensive income (I)â€"Â â€"Â â€"Â â€"Â 3Â 3Â Cash dividends declared:Â Common @ $0.05 per shareâ€"Â â€"Â â€"Â (22)â€"Â (22)Repurchase and retirement of common stock (H)â€"Â (1)(60)â€"Â â€"Â (61)Stock-based compensation â€"Â â€"Â 23Â â€"Â â€"Â 23Â Common stock issued: compensation plans â€"Â 1Â (19)â€"Â â€"Â (18)Balance at June 30, 2024$55Â $408Â $3,486Â $2,186Â $(1,858)$4,277Â The accompanying notes are an integral part of the consolidated financial statements.7 Howmet Aerospace Inc. and subsidiariesStatement of Changes in Consolidated Equity (unaudited)(U.S. dollars in millions, except per-share amounts)Â PreferredstockCommonstockAdditionalcapitalRetained earningsAccumulatedothercomprehensivelossTotalEquityBalance at DecemberÂ 31, 2022$55Â $412Â $3,947Â $1,028Â $(1,841)$3,601Â Net incomeâ€"Â â€"Â â€"Â 341Â â€"Â 341Â Other comprehensive income (I)â€"Â â€"Â â€"Â â€"Â 33Â 33Â Cash dividends declared:Preferred-ClassÂ A @ $1.8750 per shareâ€"Â â€"Â â€"Â (1)â€"Â (1)Common @ $0.08 per shareâ€"Â â€"Â â€"Â (34)â€"Â (34)Repurchase and retirement of common stock (H)â€"Â (3)(122)â€"Â â€"Â (125)Stock-based compensation â€"Â â€"Â 26Â â€"Â â€"Â 26Â Common stock issued: compensation plans â€"Â 3Â (69)â€"Â â€"Â (66)Balance at June 30, 2023$55Â $412Â $3,782Â $1,334Â $(1,808)$3,775Â Â Â PreferredstockCommonstockAdditionalcapitalRetained earningsAccumulatedothercomprehensivelossTotalEquityBalance at DecemberÂ 31, 2023$55Â $410Â $3,682Â $1,720Â $(1,830)$4,037Â Net incomeâ€"Â â€"Â â€"Â 509Â â€"Â 509Â Other comprehensive loss (I)â€"Â â€"Â â€"Â â€"Â (28)(28)Cash dividends declared:Preferred-ClassÂ A @ $1.8750 per shareâ€"Â â€"Â â€"Â (1)â€"Â (1)Common @ $0.10 per shareâ€"Â â€"Â â€"Â (42)â€"Â (42)Repurchase and retirement of common stock (H)â€"Â (3)(208)â€"Â â€"Â (211)Stock-based compensation â€"Â â€"Â 38Â â€"Â â€"Â 38Â Common stock issued: compensation plans â€"Â 1Â (26)â€"Â â€"Â (25)Balance at June 30, 2024$55Â $408Â $3,486Â $2,186Â $(1,858)$4,277Â The accompanying notes are an integral part of the consolidated financial statements.8 Howmet Aerospace Inc. and subsidiariesNotes to the Consolidated Financial Statements (unaudited)(U.S. dollars in millions, except share and per-share amounts)A. Basis of PresentationThe interim Consolidated Financial Statements of Howmet Aerospace Inc. and its subsidiaries (â€œHowmetâ€ or the â€œCompanyâ€ or â€œweâ€ or â€œourâ€) are unaudited. These Consolidated Financial Statements include all adjustments, consisting only of normal recurring adjustments, considered necessary by management to fairly state the Companyâ€™s results of operations, financial position, and cash flows. The results reported in these Consolidated Financial Statements are not necessarily indicative of the results that may be expected for the entire year. The 2023 year-end balance sheet data was derived from audited financial statements but does not include all disclosures required by accounting principles generally accepted in the United States of America (â€œGAAPâ€). This Form 10-Q report should be read in conjunction with the Company's Annual Report on Form 10-K for the year ended DecemberÂ 31, 2023 (the â€œForm 10-Kâ€), which includes all disclosures required by GAAP. Certain amounts in previously issued financial statements were reclassified to conform to the current period presentation.In the six months ended JuneÂ 30, 2024, the Company derived approximately 51% of its revenue from products sold to the commercial aerospace market which is less than the pre-pandemic 2019 annual rate of approximately 60%. Aircraft production in the commercial aerospace industry continues to recover based on increases in demand for narrow body and wide body aircraft. We expect commercial aerospace wide body demand to grow faster than narrow body demand on a production percentage basis. Quality control issues at The Boeing Company (â€œBoeingâ€) are expected to negatively impact narrow body and wide body production rates in the near term. For instance, the Federal Aviation Administration stated that it will not approve production rate increases or additional production lines for the Boeing 737 MAX until it is satisfied that Boeing is in full compliance with required quality control procedures. Boeing production levels have a material impact on the financial performance of Howmet. The timing and level of future aircraft builds by original equipment manufacturers are subject to changes and uncertainties, which may cause our future results to differ from prior periods due to changes in product mix in certain segments.The preparation of the Consolidated Financial Statements of the Company in conformity with GAAP requires management to make certain judgments, estimates, and assumptions. These estimates are based on historical experience and, in some cases, assumptions based on current and future market expectations, including considerations relating to changes in the aerospace industry. The impact of these changes, including the macroeconomic considerations, remains highly uncertain. Management has made its best estimates using all relevant information available at the time, but it is possible that our estimates will differ from our actual results and affect the Consolidated Financial Statements in future periods and potentially require adverse adjustments to the recoverability of goodwill, intangible and long-lived assets, the realizability of deferred tax assets and other judgments and estimations and assumptions.B. Recently Adopted and Recently Issued Accounting GuidanceAdoptedIn September 2022, the Financial Accounting Standards Board (â€œFASBâ€) issued guidance to enhance the transparency of disclosures regarding supplier finance programs (See Note Q). These changes became effective for fiscal years beginning after December 15, 2022, including interim periods within those fiscal years, except for the amendment on rollforward information, which is effective for fiscal years beginning after December 15, 2023.IssuedIn December 2023, the FASB issued guidance to enhance the transparency of income tax disclosures including additional details on the rate reconciliation and taxes paid by jurisdiction. These changes become effective for fiscal years beginning after December 15, 2024. Management is currently evaluating the impact of these changes on the Consolidated Financial Statements.In November 2023, the FASB issued guidance to enhance disclosures related to significant segment expenses and other matters related to reportable segments. These changes become effective for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024. Management is currently evaluating the impact of these changes on the Consolidated Financial Statements.9 C. Segment InformationHowmet is a global leader in lightweight metals engineering and manufacturing. Howmetâ€™s innovative, multi-material products, which include nickel, titanium, aluminum, and cobalt, are used worldwide in the aerospace (commercial and defense), commercial transportation, and industrial and other markets. Segment performance under Howmetâ€™s management reporting system is evaluated based on a number of factors; however, the primary measure of performance is Segment Adjusted EBITDA. Howmetâ€™s definition of Segment Adjusted EBITDA (Earnings before interest, taxes, depreciation, and amortization) is net margin plus an add-back for depreciation and amortization. Net margin is equivalent to Sales minus the following items: Cost of goods sold; Selling, general administrative, and other expenses; Research and development expenses; and Provision for depreciation and amortization. Special items, including Restructuring and other charges, are excluded from net margin and Segment Adjusted EBITDA. Segment Adjusted EBITDA may not be comparable to similarly titled measures of other companies. Differences between the total segment and consolidated totals are in Corporate.Howmetâ€™s operations consist of four worldwide reportable segments as follows:Engine ProductsEngine Products produces investment castings, including airfoils, and seamless rolled rings primarily for aircraft engines and industrial gas turbine applications. Engine Products produces rotating parts as well as structural parts.Fastening SystemsFastening Systems produces aerospace fastening systems, as well as commercial transportation, industrial and other fasteners. The businessâ€™s high-tech, multi-material fastening systems are found nose to tail on aircraft and aero engines. Fastening Systemsâ€™ products are also critical components of commercial transportation vehicles, and construction, industrial, and renewable energy equipment.Engineered StructuresEngineered Structures produces titanium ingots and mill products for aerospace and defense applications and is vertically integrated to produce titanium forgings, extrusions, forming and machining services for airframe, wing, aero-engine, and landing gear components. Engineered Structures also produces aluminum forgings, nickel forgings, and aluminum machined components and assemblies for aerospace and defense applications.Forged WheelsForged Wheels provides forged aluminum wheels and related products for heavy-duty trucks and the commercial transportation market.10 The operating results of the Companyâ€™s reportable segments were as follows:Engine ProductsFastening SystemsEngineered StructuresForged WheelsTotalSegmentSecond quarter ended June 30, 2024Sales:Third-party sales$933Â $394Â $275Â $278Â $1,880Â Inter-segment sales1Â â€"Â 3Â â€"Â 4Â Total sales$934Â $394Â $278Â $278Â $1,884Â Profit and loss:Provision for depreciation and amortization$33Â $13Â $11Â $10Â $67Â Segment Adjusted EBITDA292Â 101Â 40Â 75Â 508Â Restructuring and other (credits) charges(1)2Â 14Â â€"Â 15Â Capital expenditures33Â 5Â 5Â 9Â 52Â Second quarter ended June 30, 2023Sales:Third-party sales$821Â $329Â $200Â $298Â $1,648Â Inter-segment sales5Â â€"Â 1Â â€"Â 6Â Total sales$826Â $329Â $201Â $298Â $1,654Â Profit and loss:Provision for depreciation and amortization$32Â $12Â $12Â $10Â $66Â Segment Adjusted EBITDA223Â 64Â 20Â 81Â 388Â Restructuring and other (credits) charges(1)â€"Â 5Â â€"Â 4Â Capital expenditures21Â 5Â 5Â 7Â 38Â Engine ProductsFastening SystemsEngineered StructuresForged WheelsTotalSegmentSix months ended June 30, 2024Sales:Third-party sales$1,818Â $783Â $537Â $566Â $3,704Â Inter-segment sales3Â â€"Â 4Â â€"Â 7Â Total sales$1,821Â $783Â $541Â $566Â $3,711Â Profit and loss:Provision for depreciation and

amortization$66Â $24Â $22Â $20Â $132Â Segment Adjusted EBITDA541Â 193Â 77Â 157Â 968Â Restructuring and other (credits) charges(1)2Â 14Â â€”Â 15Â Capital expenditures88Â 12Â 11Â 21Â 132Â Six months ended June 30, 2023Sales:Third-party sales$1,616Â $641Â $407Â $587Â $3,251Â Inter-segment sales7Â â€”Â 1Â â€”Â 8Â Total sales$1,623Â $641Â $408Â $587Â $3,259Â Profit and loss:Provision for depreciation and amortization$64Â $23Â $24Â $19Â $130Â Segment Adjusted EBITDA435Â 122Â 50Â 160Â 767Â Restructuring and other (credits) charges(1)â€”Â 6Â â€”Â 5Â Capital expenditures54Â 14Â 15Â 16Â 99Â 11 The following table reconciles Total Segment Adjusted EBITDA to Income before income taxes. Differences between the total segment and consolidated totals are in Corporate.Second quarter endedSix months endedJune 30,June 30,20242023202420232Total Segment Adjusted EBITDA$508Â $388Â $968Â $767Â Segment provision for depreciation and amortization(67)(66)(132)(130)Unallocated amounts:Restructuring and other charges(22)(3)(22)(4)Corporate expense(21)(34)(47)(63)Operating income$398Â $285Â $767Â $570Â Loss on debt redemptionâ€”Â â€”Â â€”Â (1)Interest expense, net(49)(55)(98)(112)Other (expense) income, net(15)13Â (32)6Â Income before income taxes$334Â $243Â $637Â $463Â The following table reconciles total segment capital expenditures with Capital expenditures as presented in the Statement of Consolidated Cash Flows.Second quarter endedSix months endedJune 30,June 30,20242023202420232Total segment capital expenditures$52Â $38Â $132Â $99Â Corporate3Â 3Â 5Â 6Â Capital expenditures$55Â $41Â $137Â $105Â 12 The following table disaggregates segment revenue by major market served. Differences between the total segment and consolidated totals are in Corporate.Engine ProductsFastening SystemsEngineered StructuresForged WheelsTotalSegmentSecond quarter ended June 30, 2024Aerospace - Commercial$528Â $251Â $200Â $â€”Â $979Â Aerospace - Defense 192Â 37Â 61Â â€”Â 290Â Commercial Transportationâ€”Â 68Â â€”Â 278Â 346Â Industrial and Other213Â 38Â 14Â â€”Â 265Â Total end-market revenue$933Â $394Â $275Â $278Â $1,880Â Second quarter ended June 30, 2023Aerospace - Commercial$446Â $184Â $141Â $â€”Â $771Â Aerospace - Defense 174Â 46Â 42Â â€”Â 262Â Commercial Transportationâ€”Â 62Â â€”Â 298Â 360Â Industrial and Other201Â 37Â 17Â â€”Â 255Â Total end-market revenue$821Â $329Â $200Â $298Â $1,648Â Six months ended June 30, 2024Aerospace - Commercial$1,020Â $495Â $392Â $â€”Â $1,907Â Aerospace - Defense 377Â 76Â 117Â â€”Â 570Â Commercial Transportationâ€”Â 134Â â€”Â 566Â 700Â Industrial and Other421Â 78Â 28Â â€”Â 527Â Total end-market revenue$1,818Â $783Â $537Â $566Â $3,704Â Six months ended June 30, 2023Aerospace - Commercial$878Â $354Â $293Â $â€”Â $1,525Â Aerospace - Defense 337Â 90Â 86Â â€”Â 513Â Commercial Transportationâ€”Â 125Â â€”Â 587Â 712Â Industrial and Other401Â 72Â 28Â â€”Â 501Â Total end-market revenue$1,616Â $641Â $407Â $587Â $3,251Â The Company derived 67% and 63% of its revenue from the aerospace (commercial and defense) markets for the six months ended JuneÂ 30, 2024 and 2023, respectively.On April 2, 2024, General Electric Company, one of our largest customers, completed the spin-off of its energy-focused business into GE Vernova, a new publicly traded company. Since then, General Electric Company operates as GE Aerospace. GE Aerospace and RTX Corporation each represented approximately 10% of the Companyâ€™s third-party sales in the six months ended JuneÂ 30, 2024. General Electric Company and RTX Corporation represented approximately 13% and 10%, respectively, of the Companyâ€™s third-party sales in the six months ended JuneÂ 30, 2023. These sales were primarily from the Engine Products segment. 13 D. Restructuring and Other ChargesSecond quarter endedSix months endedJune 30,June 30,20242023202420232Layoff costs$7Â $â€”Â $7Â $â€”Â Reversals of previously recorded layoff reserves$â€”Â $â€”Â â€”Â (1)Pension and Other post-retirement benefits - net settlements (E)â€”Â 3Â â€”Â 3Â Net loss related to divestitures of assets and businesses (P)14Â â€”Â 13Â â€”Â Other1Â â€”Â 2Â 2Â Total restructuring and other charges$22Â $3Â $22Â $4Â In the second quarter of 2024, the Company recorded Restructuring and other charges of $22, which were primarily due to a loss on the sale of a small U.K. manufacturing facility in Engineered Structures of $14, a charge for layoff costs of $7, including the separation of 283 employees (144 in Fastening Systems, 112 in Engineered Structures and 27 in Forged Wheels) and other exit related costs, including accelerated depreciation, of $1. In the six months ended JuneÂ 30, 2024, the Company recorded Restructuring and other charges of $22, which were primarily due to a loss on the sale of a small U.K. manufacturing facility in Engineered Structures of $14, a charge for layoff costs of $7, and other exit related costs, including accelerated depreciation, of $2, partially offset by a gain on the sale of assets at a small U.K. manufacturing facility in Engine Products of $1.In the second quarter of 2023, the Company recorded Restructuring and other charges of $3, which were primarily due to charges for a U.S. pension plan settlement of $3.In the six months ended JuneÂ 30, 2023, the Company recorded Restructuring and other charges of $4, which were primarily due to charges for a U.S. pension plan settlement of $3 and exit related costs, including accelerated depreciation, of $2, partially offset by a reversal of $1 for a layoff reserve related to a prior period.Layoff costsOtherÂ exit costsTotalReserve balances at December 31, 2023$5Â $2Â $7Â Cash payments(2)(1)(3)Restructuring charges7Â 15Â 22Â Other(1)â€”Â (14)(14)Reserve balances at June 30, 2024$10Â $2Â $12Â (1)In the second quarter of 2024, other for other exit costs included a loss of $14 on the sale of a small U.K. manufacturing facility.The remaining reserves as of JuneÂ 30, 2024 are expected to be paid in cash during the remainder of 2024 and 2025.14 E. Pension and Other Postretirement BenefitsThe components of net periodic cost (benefit) were as follows:Second quarter endedSix months endedÂ June 30,June 30,20242023202420232Pension benefitsService cost$â€”Â $1Â $1Â $2Â Interest cost19Â 20Â 38Â 40Â Expected return on plan assets(17)(18)(35)(37)Recognized net actuarial loss8Â 7Â 16Â 14Â SettlementsÂ â€”Â 3Â Â â€”Â 3Â Net periodic cost(1)$10Â $13Â $20Â $22Â Other postretirement benefitsÂ Â Â Â Service cost$â€”Â $â€”Â $â€”Â $â€”Â Interest cost2Â 1Â 3Â 3Â Recognized net actuarial gainâ€”Â â€”Â (1)(1)Amortization of prior service benefit(3)(2)(5)(4)Net periodic benefit(1)(1)(1)(3)(2)Â (1)Service cost was included within Cost of goods sold and Selling, general administrative, and other expenses; settlements were included in Restructuring and other charges; all other cost components were recorded in Other expense (income), net in the Statement of Consolidated Operations. Pension benefitsIn the second quarter and six months ended JuneÂ 30, 2023, the Company undertook additional actions to reduce gross pension obligations by $19 by purchasing group annuity contracts from a third-party carrier to pay and administer future annuity payments. These actions resulted in settlement charges of $3.For the second quarter and six months ended JuneÂ 30, 2024, Howmetâ€™s combined pension contributions and other postretirement benefit payments were approximately $17 and $22, respectively. For the second quarter and six months ended JuneÂ 30, 2023, Howmetâ€™s combined pension contributions and other postretirement benefit payments were approximately $7 and $19, respectivelyF. Other Expense (Income), NetSecond quarter endedSix months endedÂ June 30,June 30,20242023202420232Non-service costs - pension and other postretirement benefits (E)$9Â $8Â $16Â $15Â Interest income(6)(5)(11)(10)Foreign currency losses (gains), net4Â â€”Â 7Â (2)Net realized and unrealized losses6Â 7Â 13Â 11Â Deferred compensation3Â 3Â 8Â 6Â Other, net(1)(26)(1)(26)Total other expense (income), net$15Â (13)32Â $(6)In the second quarter and six months ended JuneÂ 30, 2023, Other, net primarily includes the reversal of $25, net of legal fees of $1, of the $65 pre-tax charge taken in the third quarter of 2022 related to the Lehman Brothers International (Europe) legal proceeding (See Note Q) due to the final settlement of such proceeding in June 2023. 15 G. Income TaxesThe Companyâ€™s year-to-date tax provision is comprised of the most recent estimated annual effective tax rate applied to year-to-date pre-tax ordinary income. The tax impacts of unusual or infrequently occurring items, including changes in judgment about valuation allowances and effects of changes in tax laws or rates, are recorded discretely in the interim period in which they occur. In addition, the tax provision is adjusted for the interim period impact of non-benefited pre-tax losses.The estimated annual effective tax rate, before discrete items, applied to ordinary income was 21.7% in both the second quarter and six months ended JuneÂ 30, 2024, and 23.0% in both the second quarter and six months ended JuneÂ 30, 2023. The 2024 and 2023 rates were higher than the U.S. federal statutory rate of 21% primarily due to additional estimated U.S. tax on Global Intangible Low-Taxed Income (â€œGILTIâ€) and other foreign earnings, incremental state tax, nondeductible expenses, and foreign earnings subject to tax in jurisdictions with tax rates higher than the U.S. federal statutory rate of 21%. Foreign taxes on earnings also subject to U.S. federal income tax also contributed to the 2023 rate being higher than the U.S. federal statutory rate of 21%. The 2024 rate was lower than the 2023 rate primarily due to a U.S. tax benefit recognized for foreign tax credits in 2024 and lower net U.S. tax on GILTI and other foreign earnings.For the second quarter of 2024 and 2023, the tax rate including discrete items was 20.4% and 20.6%, respectively. In the second quarter of 2024, the Company recorded a discrete tax benefit of $5 related to an excess tax benefit for stock compensation. In the second quarter of 2023, the Company recorded a discrete net tax benefit of $7 related to an $8 excess tax benefit for stock compensation and a net charge of $1 for other small items.For the six months ended JuneÂ 30, 2024 and 2023, the tax rate including discrete items was 20.1% and 26.3%, respectively. For the six months ended JuneÂ 30, 2024, the Company recorded a discrete net tax benefit of $12 attributable to a $7 excess tax benefit for stock compensation, a $6 benefit to release a valuation allowance related to a U.S. foreign tax credits, and a net tax charge of $1 for other small items. For the six months ended JuneÂ 30, 2023, the Company recorded a discrete net tax charge of $14 attributable to a $20 charge for a tax reserve established in France (See Note Q) and a net tax charge of $2 for other small items, reduced by an $8 excess tax benefit for stock compensation.The tax provision was comprised of the following:Second quarter endedSix months endedÂ June 30,June 30,Â 20242023202420232Pre-tax income at estimated annual effective income tax rate before discrete items$72Â $56Â $138Â $107Â Interim period treatment of operational losses in foreign jurisdictions for which no tax benefit is recognized1Â 1Â 2Â 1Â Tax reserve (Q)â€”Â â€”Â â€”Â 20Â Other discrete items(5)(7)(12)(6)Provision for income taxes$68Â $50Â $128Â $122Â H. Earnings Per Share and Common StockBasic earnings per share (â€œEPSâ€) amounts are computed by dividing earnings, after the deduction of preferred stock dividends declared, by the average number of common shares outstanding. Diluted EPS amounts assume the issuance of common stock for all potentially dilutive share equivalents outstanding.16 The information used to compute basic and diluted EPS attributable to Howmet common shareholders was as follows (shares in millions in the table below):Second quarter endedSix months endedÂ June 30,June 30,Â 20242023202420232Net income$266Â $193Â $509Â $341Â Less: preferred stock dividends declaredâ€”Â â€”Â 1Â 1Â Net income available to Howmet Aerospace common shareholders - basic and diluted$266Â $193Â $508Â $340Â Average shares outstanding - basic408Â 413Â 409Â 413Â Effect of dilutive securities:Stock and performance awards3Â 4Â 2Â 4Â Average shares outstanding - diluted411Â 417Â 411Â 417Â Common stock outstanding as of JuneÂ 30, 2024 and 2023 was 407,883,027 and 412,169,561, respectively. On August 18, 2021, the Company announced that its Board of Directors authorized a share repurchase program (the â€œShare Repurchase Programâ€) of up to $1,500 of the Company's outstanding common stock. After giving effect to the share repurchases made through JuneÂ 30, 2024 and as of such date, approximately $487 Board authorization remained available. On July 30, 2024, the Companyâ€™s Board of Directors authorized a $2,000 increase in the Share Repurchase Program, which, together with the remaining authorization of approximately $487, results in a Share Repurchase Program of up to approximately $2,487 of the Companyâ€™s outstanding common stock.Under the Companyâ€™s Share Repurchase Program , the Company may repurchase shares by means of trading plans established from time to time in accordance with Rule 10b5-1 under the Securities Exchange Act of 1934, as amended, block trades, private transactions, open market repurchases and/or accelerated share repurchase agreements, or other derivative transactions. There is no stated expiration for the Share Repurchase Program. Under its Share Repurchase Program, the Company may repurchase shares from time to time, in amounts, at prices, and at such times as the Company deems appropriate, subject to market conditions, legal requirements and other considerations. The Company is not obligated to repurchase any specific number of shares or to do so at any particular time, and the Share Repurchase Program may be suspended, modified, or terminated at any time without prior notice.The following table provides details for share repurchases made for the periods presented:Number of sharesAverage price per share(1)TotalQ1 2024 open market repurchase2,243,259Â $66.87Â $150Â Q2 2024 open market repurchase734,737Â $81.66Â $60Â 2024 Share repurchases as of JuneÂ 30, 20242,977,996Â $70.52Â $210Â Q1 2023 open market repurchase576,629Â $43.36Â $25Â Q2 2023 open market repurchase2,246,294Â $44.52Â $100Â 2023 Share repurchases as of JuneÂ 30, 20232,822,923Â $44.28Â $125Â (1)Excludes commissions cost.As average shares outstanding are used in the calculation for both basic and diluted EPS, the full impact of share repurchases and issuances was not fully realized in EPS in the period of repurchase or issuance since share activity may occur at varying points during a period.There were no shares relating to outstanding stock options excluded from the calculation of average shares outstanding - diluted for the second quarter and six months ended JuneÂ 30, 2024 and 2023.17 I. Accumulated Other Comprehensive LossThe following table details the activity of the three components that comprise Accumulated other comprehensive loss:Second quarter endedSix months endedJune 30,June 30,20242023202420232Pension and other postretirement benefits (E)Balance at beginning of period(686)(648)(689)(653)Other comprehensive income (loss):Unrecognized net actuarial loss and prior service cost/benefitâ€”Â (3)(1)â€”Â Tax benefitâ€”Â 1Â â€”Â Â â€”Â Total Other comprehensive loss before reclassifications, net of taxâ€”Â (2)(1)â€”Â Amortization of net actuarial loss and prior service benefit(1)5Â 8Â 10Â 12Â Tax expense(2)(1)(2)(2)(3)Total amount reclassified from Accumulated other comprehensive income, net of tax(3)4Â 6Â 8Â 9Â Total Other comprehensive income4Â 4Â 7Â 9Â Balance at end of period(682)(644)(682)(644)Foreign currency translationBalance at beginning of period$(1,173)$(1,159)$(1,136)$(1,193)Other comprehensive (loss) income(4)(4)4Â (41)38Â Balance at end of period$(1,177)$(1,155)$(1,177)$(1,155)Cash flow hedgesBalance at beginning of period(2)1Â (5)5Â Other comprehensive (loss) income:Net change from periodic revaluations4Â (10)3Â (14)Tax (expense) benefit(1)2Â (1)3Â Total Other comprehensive income (loss) before reclassifications, net of tax3Â (8)2Â (11)Net amount reclassified to earningsâ€”Â (3)5Â (4)Tax benefit (expense)(2)â€”Â 1Â (1)1Â Total amount reclassified from Accumulated other comprehensive (loss) income, net of tax(3)â€”Â (2)4Â (3)Total Other comprehensive income (loss)3Â (10)6Â (14)Balance at end of period$1Â (9)1Â $(9)Accumulated other comprehensive loss$(1,858)$(1,808)$(1,858)$(1,808)(1)These amounts were recorded in Restructuring and other charges (See Note D) and Other expense (income), net (See Note F) in the Statement of Consolidated Operations.(2)These amounts were included in Provision for income taxes (See Note G) in the Statement of Consolidated Operations.(3)A positive amount indicates a corresponding charge to earnings and a negative amount indicates a corresponding benefit to earnings.(4)In all periods presented, no amounts were reclassified to earnings.18 J. ReceivablesSale of Receivables ProgramsThe Company maintains an accounts receivables securitization arrangement through a wholly-owned special purpose entity (â€œSPEâ€). The net cash funding from the sale of accounts receivable was neither a use of cash nor a source of cash for the second quarter or six months ended JuneÂ 30, 2024 or JuneÂ 30, 2023. The accounts receivables securitization arrangement is one in which the Company, through an SPE, has a receivables purchase agreement (the â€œReceivables Purchase Agreementâ€) pursuant to which the SPE may sell certain receivables to financial institutions until the earlier of January 2, 2026 or a termination event. The Receivables Purchase Agreement contains customary representations and warranties, as well as affirmative and negative covenants. Pursuant to the Receivables Purchase Agreement, the Company does not maintain effective control over the transferred receivables, and therefore accounts for these transfers as sales of receivables. The Receivables Purchase Agreement also contains a provision that allows the Company to increase the limit to $325.The facility limit under the Receivables Purchase Agreement was $250 as of both JuneÂ 30, 2024 and DecemberÂ 31, 2023, of which $250 was drawn as of both JuneÂ 30, 2024 and DecemberÂ 31, 2023. As collateral against the sold receivables, the SPE maintains a certain level of unsold receivables, which were $239 and $197 as of JuneÂ 30, 2024 and DecemberÂ 31, 2023, respectively.The Company sold $317 and $730 of its receivables without recourse and received cash funding under this program during the second quarter and six months ended JuneÂ 30, 2024, respectively, resulting in derecognition of the receivables from the Companyâ€™s Consolidated Balance Sheet. The Company sold $382 and $719 of its receivables without recourse and received cash funding under the program during the second quarter and six months ended JuneÂ 30, 2023, respectively, resulting in derecognition of the receivables from the Companyâ€™s Consolidated Balance Sheet. Costs associated with the sales of receivables are reflected in the Companyâ€™s Statement of Consolidated Operations for the periods in which the sales occur. Cash receipts from sold receivables under the Receivables Purchase Agreement are presented within operating activities in the Statement of Consolidated Cash Flows.Other Customer Receivable SalesIn the second quarter and six months ended JuneÂ 30, 2024, the Company sold $174 and $345, respectively, of certain customersâ€™ receivables in exchange for cash ($172 was outstanding from customers as of JuneÂ 30, 2024), the proceeds from which are presented in changes in receivables within operating activities in the Statement of Consolidated Cash Flows. In the second quarter and six months ended JuneÂ 30, 2023, the Company sold $151 and $289, respectively, of certain customersâ€™ receivables in exchange for cash, the proceeds from which are presented in changes in receivables within operating activities in the Statement of Consolidated Cash Flows.K. InventoriesJune 30, 2024December 31, 2023Finished goods$466Â $451Â Work-in-process901Â 891Â Purchased raw materials412Â 355Â Operating supplies69Â 68Â Total inventories$1,848Â $1,765Â As of JuneÂ 30, 2024 and DecemberÂ 31, 2023, the portion of inventories valued on a last-in, first-out (â€œLIFOâ€) basis was $510 and $446, respectively. If valued on an average-cost basis, total inventories would have been $248 and $236 higher as of JuneÂ 30, 2024 and DecemberÂ 31, 2023, respectively.19 L. Properties, Plants, and Equipment, netJune 30, 2024December 31, 2023Land and land rights$83Â $88Â Structures1,022Â 1,018Â Machinery and equipment4,105Â 4,079Â 5,210Â 5,185Â Less: accumulated depreciation and amortization3,140Â 3,081Â 2,070Â 2,104Â Construction work-in-progress237Â 224Â Properties, plants, and equipment, net$2,307Â $2,328Â The Company incurred capital expenditures which remained unpaid as of JuneÂ 30, 2024 and JuneÂ 30, 2023 of $62 and $48, respectively, which will result in cash outflows within investing activities in the Statement of Consolidated Cash Flows in subsequent periods.M. LeasesOperating lease cost, which includes short-term leases and variable lease payments and approximates cash paid, was $16 in both the

second quarter of 2024 and 2023, and $32 in both the six months ended JuneÂ 30, 2024 and 2023.Operating lease right-of-use assets and lease liabilities in the Consolidated Balance Sheet were as follows:June 30, 2024December 31, 2023Right-of-use assets classified in Other noncurrent assets$157Â $128Â Current portion of lease liabilities classified in Other current liabilities$37Â $32Â Long-term portion of lease liabilities classified in Other noncurrent liabilities and deferred credits121Â 97Â Total lease liabilities$158Â $129Â N. DebtJune 30, 2024December 31, 20235.125% Notes, due 2024(1)$205Â $205Â 6.875% Notes, due 2025(2)577Â 600Â USD Term Loan Facility, due 2026200Â 200Â JPY Term Loan Facility, due 2026185Â 211Â 5.900% Notes, due 2027625Â 625Â 6.750% Bonds, due 2028300Â 300Â 3.000% Notes, due 2029700Â 700Â 5.950% Notes, due 2037625Â 625Â 4.750% Iowa Finance Authority Loan, due 2042 250Â 250Â Other, net(3)(8)(10)3,659Â 3,706Â Less: amount due within one year782Â 206Â Total long-term debt$2,877Â $3,500Â Â (1)On July 1, 2024, the Company completed the early redemption of all the remaining outstanding principal amount of $205 of its 5.125% Notes, due in October 2024 (the â€œ5.125% Notesâ€). (2)The 6.875% Notes, due 2025 (the â€œ6.875% Notesâ€) are due in May 2025.(3)Includes unamortized debt discounts and unamortized debt issuance costs related to outstanding notes and bonds listed in the table above and various financing arrangements related to subsidiaries.20 Public DebtIn January 2023, the Company repurchased approximately $26 aggregate principal amount of the 5.125% Notes through an open market repurchase (â€œOMRâ€). The OMR was settled at slightly less than par value. In March 2023, the Company completed the early partial redemption of an additional $150 aggregate principal amount of the 5.125% Notes in accordance with the terms of the notes, and paid an aggregate of $155, including accrued interest and an early termination premium of approximately $4 and $1, respectively, which were recorded in Interest expense, net, and Loss on debt redemption, respectively, in the Statement of Consolidated Operations.In the second quarter of 2024, the Company repurchased approximately $23 aggregate principal amount of the 6.875% Notes through an OMR. The OMR was settled at slightly more than par value.On July 1, 2024, the Company completed the early redemption of all of the remaining outstanding principal amount of $205 of the 5.125% Notes. The Company redeemed the 5.125% Notes at par value plus accrued interest. The 5.125% Notes were redeemed with cash on hand at an aggregate redemption price of approximately $208, including accrued interest of approximately $3.Term Loan FacilitiesThe Company maintains (i) a U.S. dollar-denominated, senior unsecured term loan facility (the â€œUSD Term Loan Facilityâ€) and (ii) a Japanese yen-denominated, senior unsecured term loan facility (the â€œJPY Term Loan Facilityâ€), each of which matures on November 22, 2026 unless earlier terminated in accordance with the provisions of the applicable term loan agreement. The term loan agreements relating to these facilities contain respective covenants, including, among others, a limitation requiring the ratio of Consolidated Net Debt to Consolidated EBITDA (as defined in the agreements) as of the end of each fiscal quarter for the period of the four fiscal quarters most recently ended, to be less than or equal to 3.75 to 1.00. As of JuneÂ 30, 2024 and DecemberÂ 31, 2023, the Company was in compliance with all covenants under the USD Term Loan Facility and JPY Term Loan Facility. The amounts outstanding under the USD Term Loan Facility were $200 as of JuneÂ 30, 2024 and DecemberÂ 31, 2023. The amounts outstanding under the JPY Term Loan Facility were Â¥29,702 million ($185) and Â¥29,702 million ($211) as of JuneÂ 30, 2024 and DecemberÂ 31, 2023, respectively. The Company has entered into interest rate swaps to exchange the floating interest rates of the USD Term Loan Facility and JPY Term Loan Facility to fixed interest rates of 5.795% and 2.044%, respectively. Credit FacilityThe Company has entered into a Five-Year Revolving Credit Agreement (the â€œCredit Agreementâ€) that provides a $1,000 senior unsecured revolving credit facility that matures on July 27, 2028. The Credit Agreement contains covenants, including, among others, a limitation requiring the ratio of Consolidated Net Debt to Consolidated EBITDA (as defined in the Credit Agreement) as of the end of each fiscal quarter for the period of the four fiscal quarters most recently ended, to be less than or equal to 3.75 to 1.00. As of JuneÂ 30, 2024 and DecemberÂ 31, 2023, the Company was in compliance with all covenants under the Credit Agreement. There were no amounts outstanding under the Credit Agreement as of JuneÂ 30, 2024 or DecemberÂ 31, 2023, and no amounts were borrowed during 2024 or 2023 under the Credit Agreement. Commercial PaperOn April 4, 2024, the Company established a commercial paper program under which the Company may issue unsecured commercial paper notes (â€œcommercial paperâ€) from time to time up to a maximum aggregate face amount of $1,000 outstanding at any time. The maturities of the commercial paper may vary but will not exceed 397 days from the date of issue and will rank equal in right of payment with all other unsecured senior indebtedness of the Company. The proceeds of the commercial paper will be used for general corporate purposes.There were no amounts outstanding under the commercial paper program as of JuneÂ 30, 2024.21 O. Fair Value of Financial InstrumentsThe carrying values of Cash and cash equivalents, restricted cash, derivatives, noncurrent receivables and Long-term debt due within one year included in the Consolidated Balance Sheet approximate their fair value. The Company holds exchange-traded fixed income securities which are considered available-for-sale securities and are carried at fair value based on quoted market prices. The aforementioned securities are classified in Level 1 of the fair value hierarchy and are included in Other noncurrent assets in the Consolidated Balance Sheet. The fair value of Long-term debt, less amount due within one year, was based on quoted market prices for public debt and on interest rates that are currently available to Howmet for issuance of debt with similar terms and maturities for non-public debt. The fair value amounts for all Long-term debt were classified in LevelÂ 2 of the fair value hierarchy.Â June 30, 2024December 31, 2023Â CarryingvalueFairvalueCarryingvalueFairvalueLong-term debt$2,877Â $2,839Â $3,500Â $3,504Â Restricted cash, which is included in Prepaid expenses and other current assets in the Consolidated Balance Sheet, was less than $1 as of both JuneÂ 30, 2024 and DecemberÂ 31, 2023.P. Divestiture2024 DivestitureOn May 31, 2024, the Company completed the sale of a small manufacturing facility in the U.K. within the Engineered Structures segment, which resulted in a charge of $14 in the second quarter of 2024 that was recorded in Restructuring and other charges in the Statement of Consolidated Operations. The sale remains subject to certain post-closing adjustments.Q. Contingencies, Commitments and Other LiabilitiesContingenciesThe following information supplements and, as applicable, updates the discussion of the contingencies and commitments in Note U to the Consolidated Financial Statements in our Form 10-K, and should be read in conjunction with the complete descriptions provided in the Form 10-K.Environmental Matters. Howmet participates in environmental assessments and/or cleanups at more than 30 locations. These include owned or operating facilities and adjoining properties, previously owned or operated facilities and adjoining properties, and waste sites, including Superfund (Comprehensive Environmental Response, Compensation and Liability Act (â€œCERCLAâ€)) sites.A liability is recorded for environmental remediation when a cleanup program becomes probable and the costs can be reasonably estimated. As assessments and cleanups proceed, the liability is adjusted based on progress made in determining the extent of remedial actions and related costs. The liability can change substantially due to factors such as the nature and extent of contamination, changes in remedial requirements, and technological changes, among others.The Companyâ€™s remediation reserve balance was $17 as of both JuneÂ 30, 2024 and DecemberÂ 31, 2023, and was recorded in Other noncurrent liabilities and deferred credits in the Consolidated Balance Sheet (of which $7 was classified as a current liability for both periods), and reflects the most probable costs to remediate identified environmental conditions for which costs can be reasonably estimated. Payments related to remediation expenses applied against the reserve were less than $1 and $1 in the second quarter and six months ended JuneÂ 30, 2024, respectively, and included expenditures currently mandated, as well as those not required by any regulatory authority or third party.Included in annual operating expenses are the recurring costs of managing hazardous substances and environmental programs. These costs are estimated to be less than 1% of Cost of goods sold.Tax. In December 2013 and 2014, the Company received audit assessment notices from the French Tax Authority (â€œFTAâ€) for the 2010 through 2012 tax years. In 2016, the Company appealed to the Committee of the Abuse of Tax Law, where it received a favorable nonbinding decision. The FTA disagreed with the Committee of the Abuse of Tax Lawâ€™s opinion, and the Company appealed to the Montreuil Administrative Court, where in 2020 the Company prevailed on the merits. The FTA appealed this decision to the Paris Administrative Court of Appeal in 2021. On March 31, 2023, the Company received an adverse decision from the Paris Administrative Court of Appeal. The Company appealed this decision to the French Administrative Supreme Court. The assessment amount was $17 (â‚¬16 million), including $10 (â‚¬9 million) of tax and interest up through 2017 and $7 (â‚¬7 million) of penalties. The Company estimates additional interest to be $2 (â‚¬2 million). On July 23, 2024, the Company received the French Administrative Supreme Courtâ€™s decision. That decision upheld the assessment of $10 (â‚¬9 million) of tax and interest, while cancelling the penalties of $7 (â‚¬7 million) and remanding the penalty assessment issue to the Paris 22 Administrative Court of Appeal for reexamination. As a result, the Company has no further right to appeal the assessment of tax and interest but will continue to protest the penalties. In 2023, the Company recorded an income tax reserve in Provision for income taxes in the Statement of Consolidated Operations of $21 (â‚¬19 million), which includes tax, estimated interest and penalties, for the 2010 through 2012 tax years, as well as the remaining tax years open for reassessment (2020-2023). In accordance with FTA dispute resolution practices, the Company paid the assessment amount including tax, interest, and penalties, to the FTA in December 2023 and is expecting to pay the additional interest assessment in 2024. The Company also paid the estimated tax related to the 2020-2023 tax years during 2023. No changes were made to the income tax reserve as of June 30, 2024 as a result of the French Administrative Supreme Courtâ€™s decision. Beginning in the third quarter of 2024, the Company will no longer record an uncertain tax position related to the tax and interest assessed. We will continue to record an income tax reserve for penalties determined more than likely to be upheld, until the uncertain tax position is settled. Indemnified Matters. The Separation and Distribution Agreement, dated October 31, 2016, that the Company entered into with Alcoa Corporation in connection with its separation from Alcoa Corporation, provides for cross-indemnities between the Company and Alcoa Corporation for claims subject to indemnification. The Separation and Distribution Agreement, dated March 31, 2020, that the Company entered into with Arconic Corporation in connection with its separation from Arconic Corporation, provides for cross-indemnities between the Company and Arconic Corporation for claims subject to indemnification. Among other claims that are covered by these indemnities, Arconic Corporation indemnifies the Company (previously named Arconic Inc. and, prior to that, Alcoa Inc.) for all potential liabilities associated with the fire that occurred at the Grenfell Tower in London, U.K. on June 14, 2017, including the following legal proceedings, as updated from the Form 10-K: United Kingdom Litigation (various claims on behalf of survivors and estates of decedents). On June 21, 2024, the Company was joined as a party to proceedings initiated by the Royal Borough of Kensington and Chelsea that are currently pending against AAP SAS and Whirlpool. The pending proceedings are stayed until December 10, 2024.With respect to Raul v. Albaugh, et al. (derivative related claim) and the regulatory investigations in the U.K. described in the Form 10-K, there are no updates.Lehman Brothers International (Europe) Legal Proceeding. On June 26, 2020, Lehman Brothers International (Europe) (â€œLBIEâ€) filed proceedings in the High Court of Justice, Business and Property Courts of England and Wales againstâ€¯two subsidiaries of the Company, FR Acquisitions Corporation (Europe) Ltd and JFB Firth Rixson Inc. (collectively, the â€œFirth Rixson Entitiesâ€). The proceedings concerned two interest rate swap transactions that the Firth Rixson Entities entered into with LBIE in 2007 and 2008. On June 15, 2023, the Company, the Firth Rixson Entities, and LBIE reached a full and final settlement of all claims arising out of the LBIE legal proceeding. The settlement provided for a payment of $40: $15 paid in July 2023 and $25 paid in July 2024. Lockheed Martin Corp v. Howmet Aerospace Inc. On November 30, 2023, Lockheed Martin Corporation (â€œLockheed Martinâ€) filed a complaint in federal district court in the Northern District of Texas against the Company and its subsidiary RTI Advanced Forming, Inc. (â€œRTIâ€) as defendants. The complaint alleged that the Company and RTI breached a Master Purchase Order between Lockheed Martin and RTI related to the F-35 Joint Strike Fighter production program between Lockheed Martin and the United States government (the â€œF-35 Programâ€) by seeking a fair market price adjustment for the provision of titanium mill products under RTIâ€™s separate agreements with Lockheed Martinâ€™s subcontractors for the F-35 Program. Following various claims and counterclaims and court-ordered mediation, the parties reached a confidential settlement agreement on April 2, 2024, to supply until December 31, 2026 subject to revised terms mutually agreed to by the parties. The settlement had no material impact on the results of operations in the current year. The parties stipulated to the dismissal of all claims and counterclaims with prejudice on April 2, 2024.Other. In addition to the matters discussed above, various other lawsuits, claims, and proceedings have been or may be instituted or asserted against the Company, including those pertaining to environmental, product liability, safety and health, employment, tax and antitrust matters. While the amounts claimed in these other matters may be substantial, the ultimate liability cannot currently be determined because of the considerable uncertainties that exist. Therefore, it is possible that the Companyâ€™s liquidity or results of operations in a period could be materially affected by one or more of these other matters. However, based on facts currently available, management believes that the disposition of these other matters that are pending or asserted will not have a material adverse effect, individually or in the aggregate, on the results of operations, financial position or cash flows of the Company.CommitmentsGuarantees. As of JuneÂ 30, 2024, Howmet had outstanding bank guarantees related to tax matters, environmental obligations, energy contracts, and customs duties, among others. The total amount committed under these guarantees, which expire at 23 various dates between 2024 and 2027, was $22 as of JuneÂ 30, 2024.Pursuant to the Separation and Distribution Agreement, dated as of October 31, 2016, between Howmet and Alcoa Corporation, Howmet was required to provide certain guarantees for Alcoa Corporation, which were included in Other noncurrent liabilities and deferred credits in the Consolidated Balance Sheet. The remaining guarantee which had a fair value of $6 as of JuneÂ 30, 2024 and DecemberÂ 31, 2023, for which the Company and Arconic Corporation are secondarily liable in the event of a payment default by Alcoa Corporation, relates to a long-term energy supply agreement that expires in 2047 at an Alcoa Corporation facility. The Company currently views the risk of an Alcoa Corporation payment default on its obligations under the contract to be remote. The Company and Arconic Corporation are required to provide a guarantee up to an estimated present value amount of approximately $1,131 as of both JuneÂ 30, 2024 and DecemberÂ 31, 2023 in the event of an Alcoa Corporation default. In December 2023, a surety bond with a limit of $80 relating to this guarantee was obtained by Alcoa Corporation to protect Howmetâ€™s obligation. This surety bond will be renewed on an annual basis by Alcoa Corporation.Letters of Credit. The Company has outstanding letters of credit primarily related to workersâ€™ compensation, environmental obligations, and insurance obligations, among others. The total amount committed under these letters of credit, which automatically renew or expire at various dates, primarily in 2024 and 2025, was $96 as of JuneÂ 30, 2024. Pursuant to the Separation and Distribution Agreements between the Company and Arconic Corporation and between the Company and Alcoa Corporation, the Company is required to retain letters of credit of $52 (which are included in the $96 in the above paragraph) that had previously been provided related to the Company, Arconic Corporation, and Alcoa Corporation workersâ€™ compensation claims that occurred prior to the respective separation transactions of April 1, 2020 and NovemberÂ 1, 2016. Arconic Corporation and Alcoa Corporation workersâ€™ compensation and letters of credit fees paid by the Company are proportionally billed to, and are reimbursed by, Arconic Corporation and Alcoa Corporation, respectively. Also, the Company was required to provide letters of credit for certain Arconic Corporation environmental obligations and, as a result, the Company has $17 of outstanding letters of credit relating to such liabilities (which are also included in the $96 in the above paragraph).Surety Bonds. The Company has outstanding surety bonds primarily related to workersâ€™ compensation, customs duties, environmental-related matters, and contract performance. The total amount committed under these annual surety bonds, which automatically renew or expire at various dates, primarily in 2024 and 2025, was $43 as of JuneÂ 30, 2024.Pursuant to the Separation and Distribution Agreements between the Company and Arconic Corporation and between the Company and Alcoa Corporation, the Company is required to provide surety bonds of $21 (which are included in the $43 in the above paragraph) that had previously been provided related to the Company, Arconic Corporation, and Alcoa Corporation workersâ€™ compensation claims that occurred prior to the respective separation transactions of April 1, 2020 and November 1, 2016. Arconic Corporation and Alcoa Corporation workersâ€™ compensation claims and surety bond fees paid by the Company are proportionately billed to, and are reimbursed by, Arconic Corporation and Alcoa Corporation, respectively.Other LiabilitiesSupplier Financing Arrangements. On January 1, 2023, the Company adopted the changes issued by the FASB related to disclosure requirements of supplier finance program obligations. We offer voluntary supplier finance programs to suppliers who may elect to sell their receivables to third parties at the sole discretion of both the suppliers and the third parties. The program is at no cost to the Company and provides additional liquidity to our suppliers, if they desire, at their cost. Under these programs, the Company pays the third party bank rather than the supplier, the stated amount of the confirmed invoices on the original maturity date of the invoices. The Company or the third party bank may terminate a program upon at least 30 daysâ€™ notice. Supplier invoices under the program require payment in full no more than 120 days of the invoice date. As of JuneÂ 30, 2024 and DecemberÂ 31, 2023, supplier invoices that are subject to future payment under these programs were $287 and $258, respectively, and are included in Accounts payable, trade in the Consolidated Balance Sheet.R. Subsequent EventsManagement evaluated all activity of Howmet and concluded that no subsequent events have occurred that would require recognition in the Consolidated Financial Statements or disclosure in the Notes to the Consolidated Financial Statements, except as noted below:See Note N regarding the early redemption of the remaining outstanding 5.125% Notes.See Note H regarding an increase in share repurchase authorization by the Companyâ€™s Board of Directors.On July 30, 2024, the Companyâ€™s Board of Directors declared a dividend of $0.08 per share on its common stock to be paid on August 26, 2024 to holders of record as of the close of business on August 9, 2024. The quarterly dividend represents a 60% increase from the second quarter 2024 dividend of $0.05 per share.24 Item 2. Managementâ€™s Discussion and Analysis of Financial Condition and Results of Operations.(U.S. dollars in millions, except per share amounts)The following Managementâ€™s Discussion and Analysis of Financial Condition and Results of Operations (â€œMD&Aâ€) is intended to help the reader understand our results of operations and financial condition. The MD&A is provided

as a supplement to, and should be read in conjunction with, our consolidated financial statements and notes thereto included in Part I, Item 1 (Financial Statements and Supplementary Data) of this Form 10-Q.OverviewHowmet is a global leader in lightweight metals engineering and manufacturing. Howmetâ€™s innovative, multi-material products, which include nickel, titanium, aluminum, and cobalt, are used worldwide in the aerospace (commercial and defense), commercial transportation, and industrial and other markets.In the six months ended JuneÂ 30, 2024, the Company derived approximately 51% of its revenue from products sold to the commercial aerospace market which is less than the pre-pandemic 2019 annual rate of approximately 60%. Aircraft production in the commercial aerospace industry continues to recover based on increases in demand for narrow body and wide body aircraft. We expect commercial aerospace wide body demand to grow faster than narrow body demand on a production percentage basis. Quality control issues at The Boeing Company (â€œBoeingâ€) are expected to negatively impact narrow body and wide body production rates in the near term. For instance, the Federal Aviation Administration stated that it will not approve production rate increases or additional production lines for the Boeing 737 MAX until it is satisfied that Boeing is in full compliance with required quality control procedures. Boeing production levels have a material impact on the financial performance of Howmet. The timing and level of future aircraft builds by original equipment manufacturers (â€œOEMâ€) are subject to changes and uncertainties, which may cause our future results to differ from prior periods due to changes in product mix in certain segments.For additional information regarding the ongoing risks related to our business, see section Part I, Item 1A, â€œRisk Factorsâ€ in the Companyâ€™s Annual Report on Form 10-K for the year ended DecemberÂ 31, 2023.Results of OperationsEarnings Summary:Sales. Sales were $1,880 in the second quarter of 2024 compared to $1,648 in the second quarter of 2023 and $3,704 in the six months ended JuneÂ 30, 2024 compared to $3,251 in the six months ended JuneÂ 30, 2023. The increase of $232, or 14%, in the second quarter of 2024 and the increase of $453, or 14%, in the six months ended JuneÂ 30, 2024 was primarily due to higher volumes in the commercial aerospace, defense aerospace, and industrial and other markets, and favorable product pricing partially offset by lower volumes in the commercial transportation market. Cost of goods sold (â€œCOGSâ€). COGS as a percentage of Sales was 68.5% in the second quarter of 2024 compared to 72.6% in the second quarter of 2023 and 69.6% in the six months ended JuneÂ 30, 2024 compared to 72.6% in the six months ended JuneÂ 30, 2023. The decrease in the second quarter and six months ended JuneÂ 30, 2024 was primarily due to higher volumes and favorable product pricing, partially offset by increased net headcount, primarily in the Engine Products segment, in support of expected revenue increases. There were total COGS net reimbursements of $6 in the second quarter and six months ended JuneÂ 30, 2024 related to a mechanical failure resulting in substantial heat and fire-related damage to equipment at the Forged Wheelsâ€™ cast house in Barberton, Ohio in the third quarter of 2022 (the â€œBarberton Cast House Incidentâ€), compared to total COGS net reimbursements of $4 and net charges of zero in the second quarter and six months ended JuneÂ 30, 2023, respectively, related to the fire that occurred at a Fastening Systems plant in France in 2019 (the â€œFrance Plant Fireâ€) and Barberton Cast House Incident. The Company is negotiating resolution of the insurance claim related to the France Plant Fire. The insurance claim related to the Barberton Cast House Incident was settled in the second quarter of 2024.Selling, general administrative, and other expenses (â€œSG&Aâ€). SG&A expenses were $97 in the second quarter of 2024 compared to $88 in the second quarter of 2023 and $185 in the six months ended JuneÂ 30, 2024 compared to $163 in the six months ended JuneÂ 30, 2023. The increase of $9, or 10%, in the second quarter of 2024 and $22, or 13% in the six months ended JuneÂ 30, 2024 was primarily due to higher employment costs.Restructuring and other charges. Restructuring and other charges were $22 in the second quarter of 2024 compared to $3 in the second quarter of 2023 or an increase of $19. Restructuring and other charges were $22 in the six months ended JuneÂ 30, 2024 compared to $4 in the six months ended JuneÂ 30, 2023 or an increase of $18. Restructuring and other charges for the second quarter and six months ended JuneÂ 30, 2024 were primarily due to a loss on the sale of a small U.K. manufacturing facility in Engineered Structures of $14 and layoff costs of $7. Restructuring and other charges for the second quarter of 2023 were primarily due to charges for a U.S. pension plan settlement of $3. Restructuring and other charges for the six months ended JuneÂ 30, 2023 were primarily due to charges for a U.S. pension plan settlement of $3 and exit related costs, including accelerated depreciation, of $2.25 See Note D to the Consolidated Financial Statements in Part I, Item I of this Form 10-Q for additional detail.Interest expense, net. Interest expense, net was $49 in the second quarter of 2024 compared to $55 in the second quarter of 2023 and $98 in the six months ended JuneÂ 30, 2024 compared to $112 in the six months ended JuneÂ 30, 2023. The decrease of $6, or 11%, in the second quarter of 2024 and $14, or 13%, in the six months ended JuneÂ 30, 2024 was primarily due to early partial redemptions of the 5.125% Notes due October 2024 (the â€œ5.125% Notesâ€) in September 2023 and December 2023 that, in addition to the early partial redemptions of such notes in January 2023 and March 2023, reduced the average level of long-term debt.See Note N to the Consolidated Financial Statements in Part I, Item I of this Form 10-Q for additional detail related to the Companyâ€™s debt.Loss on debt redemption. Debt redemption or tender premiums include the cost to redeem or repurchase certain of the Companyâ€™s notes at a price which may be equal to the greater of the principal amount or the sum of the present values of the remaining scheduled payments, discounted using a defined treasury rate plus a spread, or a price based on the market price of its notes. Loss on debt redemption was less than $1 in the second quarter of 2024 compared to zero in the second quarter of 2023 and less than $1 in the six months ended JuneÂ 30, 2024 compared to $1 in the six months ended JuneÂ 30, 2023. The decrease in the six months ended JuneÂ 30, 2024 was due to the debt premiums paid on the early partial redemption of the 5.125% Notes in the first quarter of 2023.See Note N to the Consolidated Financial Statements in Part I, Item I of this Form 10-Q for additional detail related to the Companyâ€™s debt.Other expense (income), net. Other expense, net was $15 in the second quarter of 2024 compared to Other income, net of $13 in the second quarter of 2023 and Other expense, net was $32 in the six months ended JuneÂ 30, 2024 compared to Other income, net of $6 in the six months ended JuneÂ 30, 2023. The increase in expense of $28 in the second quarter of 2024 was primarily due to the reversal in the second quarter ended JuneÂ 30, 2023 of $25, net of legal fees of $1, (the â€œLBIE Reversal in 2023â€) of the $65 pre-tax charge taken in the third quarter of 2022 related to the Lehman Brothers International (Europe) legal proceeding as a result of the final settlement of such proceeding in June 2023 (See Note Q to the Consolidated Financial Statements in Part I, Item I of this Form 10-Q for reference) and an increase of foreign currency losses of $4. The increase in expense of $38 in the six months ended JuneÂ 30, 2024 was primarily due to the LBIE Reversal in 2023 and increases in foreign currency losses, net, of $9. Non-service related net periodic benefit costs related to defined benefit plans is expected to increase by approximately $5 for the full year 2024 versus 2023.Provision for income taxes. The estimated annual effective tax rate, before discrete items, applied to ordinary income was 21.7% in both the second quarter and six months ended JuneÂ 30, 2024 compared to 23.0% in both the second quarter and six months ended JuneÂ 30, 2023. The tax rate including discrete items was 20.4% in the second quarter of 2024 compared to 20.6% in the second quarter of 2023. A discrete tax benefit of $5 was recorded in the second quarter of 2024 compared to a discrete net tax benefit of $7 in the second quarter of 2023. The tax rate including discrete items was 20.1% in the six months ended JuneÂ 30, 2024 compared to 26.3% in the six months ended JuneÂ 30, 2023. A discrete net tax benefit of $12 was recorded in the six months ended JuneÂ 30, 2024 compared to a discrete net tax charge of $14, which included the income tax reserve recorded as a result of the French tax litigation (See Note Q to the Consolidated Financial Statements in Part I, Item I of this Form 10-Q for reference), recorded in the six months ended JuneÂ 30, 2023. The 2024 estimated annual effective tax rate is lower than the 2023 rate primarily due to a U.S. tax benefit recognized for foreign tax credits in 2024 and lower net U.S. tax on Global Intangible Low-Taxed Income and other foreign earnings.See Note G to the Consolidated Financial Statements in Part I, Item I of this Form 10-Q for additional detail.Net income. Net income was $266, or $0.65 per diluted share, in the second quarter of 2024 compared to $193, or $0.46 per diluted share, in the second quarter of 2023 and $509, or $1.23 per diluted share, in the six months ended JuneÂ 30, 2024 compared to $341, or $0.81 per diluted share, in the six months ended JuneÂ 30, 2023. The increase of $73 in the second quarter of 2024 and $168 in the six months ended JuneÂ 30, 2024 was primarily due to higher volumes in the commercial aerospace, defense aerospace, and industrial and other markets, favorable product pricing, and a reduction in interest expense due to lower long-term debt levels.26 Segment InformationThe Companyâ€™s operations consist of four worldwide reportable segments: Engine Products, Fastening Systems, Engineered Structures, and Forged Wheels. Segment performance under Howmetâ€™s management reporting system is evaluated based on a number of factors; however, the primary measure of performance is Segment Adjusted EBITDA. Howmetâ€™s definition of Segment Adjusted EBITDA (Earnings before interest, taxes, depreciation, and amortization) is net margin plus an add-back for depreciation and amortization. Net margin is equivalent to Sales minus the following items: Cost of goods sold; Selling, general administrative, and other expenses; Research and development expenses; and Provision for depreciation and amortization. Special items, including Restructuring and other charges, are excluded from Net margin and Segment Adjusted EBITDA. Segment Adjusted EBITDA may not be comparable to similarly titled measures of other companies. Differences between the total segment and consolidated totals are in Corporate (See Note C to the Consolidated Financial Statements in Part I, ItemÂ 1 of this Form 10-Q for a description of each segment).The Company has aligned its operations consistent with how the Chief Executive Officer assesses operating performance and allocates capital.On March 3, 2024, Howmet and the United Autoworkers at our Cleveland, Ohio location approved a new five-year collective bargaining agreement, covering approximately 750 employees within our Engineered Structures and Forged Wheels segments. The agreement positions our Cleveland location to continue to offer market competitive wages and benefits. The new agreement expires on February 28, 2029.Engine ProductsSecond quarter endedSix months endedÂ June 30,June 30,Â 20242023Third-party sales$933Â $821Â $1,818Â $1,616Â Segment Adjusted EBITDA292Â 223Â 541Â 435Â Segment Adjusted EBITDA Margin31.3Â %27.2Â %29.8Â %26.9Â %Third-party sales for the Engine Products segment increased $112, or 14%, in the second quarter of 2024 compared to the second quarter of 2023, primarily due to growth in the commercial aerospace, defense aerospace, oil and gas, and industrial gas turbine markets.Third-party sales for the Engine Products segment increased $202, or 13%, in the six months ended JuneÂ 30, 2024 compared to the six months ended JuneÂ 30, 2023, primarily due to growth in the commercial aerospace, defense aerospace, oil and gas, and industrial gas turbine markets.Segment Adjusted EBITDA for the Engine Products segment increased $69, or 31%, in the second quarter of 2024 compared to the second quarter of 2023, primarily due to growth in the commercial aerospace, defense aerospace, oil and gas, and industrial gas turbine markets. The segment absorbed approximately 315 net headcount in the second quarter of 2024, in support of expected revenue increases.Segment Adjusted EBITDA for the Engine Products segment increased $106, or 24%, in the six months ended JuneÂ 30, 2024 compared to the six months ended JuneÂ 30, 2023, primarily due to growth in the commercial aerospace, defense aerospace, oil and gas, and industrial gas turbine markets. The segment absorbed approximately 750 net headcount in the six months ended JuneÂ 30, 2024, in support of expected revenue increases, resulting in unfavorable near-term recruiting, training and operational costs. Segment Adjusted EBITDA Margin for the Engine Products segment increased approximately 410 basis points in the second quarter of 2024 compared to the second quarter of 2023, primarily due to growth in the commercial aerospace, defense aerospace, oil and gas, and industrial gas turbine markets.Segment Adjusted EBITDA Margin for the Engine Products segment increased approximately 290 basis points in the six months ended JuneÂ 30, 2024 compared to the six months ended JuneÂ 30, 2023 primarily due to growth in the commercial aerospace, defense aerospace, oil and gas, and industrial gas turbine markets, partially offset by an increase in headcount and inflationary costs.In 2024, as compared to 2023, demand in the commercial aerospace, defense aerospace, oil and gas, and industrial gas turbine markets is expected to increase. However, quality control issues at Boeing are expected to negatively impact narrow body and wide body production rates in the near term.27 Fastening SystemsSecond quarter endedSix months endedJune 30,June 30,20242023Third-party sales$394Â $329Â $783Â $641Â Segment Adjusted EBITDA101Â 64Â 193Â 122Â Segment Adjusted EBITDA Margin25.6Â %19.5Â %24.6Â %19.0Â %Third-party sales for the Fastening Systems segment increased $65, or 20%, in the second quarter of 2024 compared to the second quarter of 2023, primarily due to growth in the commercial aerospace market, including wide body recovery.Third-party sales for the Fastening Systems segment increased $142 or 22% in the six months ended JuneÂ 30, 2024 compared to the six months ended JuneÂ 30, 2023, primarily due to growth in the commercial aerospace market, including wide body recovery.Segment Adjusted EBITDA for the Fastening Systems segment increased $37, or 58%, in the second quarter of 2024 compared to the second quarter of 2023, primarily due to growth in the commercial aerospace market as well as productivity gains.Segment Adjusted EBITDA for the Fastening Systems segment increased $71, or 58%, in the six months ended JuneÂ 30, 2024 compared to the six months ended JuneÂ 30, 2023, primarily due to growth in the commercial aerospace market as well as productivity gains.Segment Adjusted EBITDA Margin for the Fastening Systems segment increased approximately 610 basis points in the second quarter of 2024 compared to the second quarter of 2023, primarily due to growth in the commercial aerospace market as well as productivity gains.Segment Adjusted EBITDA Margin for the Fastening Systems segment increased approximately 560 basis points in the six months ended JuneÂ 30, 2024 compared to the six months ended JuneÂ 30, 2023, primarily due to growth in the commercial aerospace market as well as productivity gains.In 2024, as compared to 2023, demand in the commercial aerospace and industrial markets is expected to increase. However, quality control issues at Boeing are expected to negatively impact narrow body and wide body production rates in the near term. Engineered Structures Second quarter endedSix months endedÂ June 30,June 30,Â 20242023Third-party sales$275Â $200Â $537Â $407Â Segment Adjusted EBITDA40Â 20Â 77Â 50Â Segment Adjusted EBITDA Margin14.5Â %10.0Â %14.3Â %12.3Â %Third-party sales for the Engineered Structures segment increased $75, or 38%, in the second quarter of 2024 compared to the second quarter of 2023, primarily due to growth in the commercial aerospace market, including wide body recovery, and the defense aerospace market.Third-party sales for the Engineered Structures segment increased $130, or 32%, in the six months ended JuneÂ 30, 2024 compared to the six months ended JuneÂ 30, 2023, primarily due to growth in the commercial aerospace market, including wide body recovery, and the defense aerospace market.Segment Adjusted EBITDA for the Engineered Structures segment increased $20, or 100%, in the second quarter of 2024 compared to the second quarter of 2023, primarily due to growth in the commercial aerospace and defense aerospace markets.Segment Adjusted EBITDA for the Engineered Structures segment increased $27, or 54%, in the six months ended JuneÂ 30, 2024 compared to the six months ended JuneÂ 30, 2023, primarily due to growth in the commercial aerospace and defense aerospace markets.Segment Adjusted EBITDA Margin for the Engineered Structures segment increased approximately 450 basis points in the second quarter of 2024 compared to the second quarter of 2023, primarily due to growth in the commercial aerospace and defense aerospace markets.28 Segment Adjusted EBITDA Margin for the Engineered Structures segment increased approximately 200 basis points in the six months ended JuneÂ 30, 2024 compared to the six months ended JuneÂ 30, 2023, primarily due to growth in the commercial aerospace and defense aerospace markets, partially offset by an increase in headcount and inflationary costs.In 2024, as compared to 2023, demand in the commercial aerospace and defense aerospace markets is expected to increase. However, quality control issues at Boeing are expected to negatively impact narrow body and wide body production rates in the near term. Forged WheelsSecond quarter endedSix months endedJune 30,June 30,20242023Third-party sales$278Â $298Â $566Â $587Â Segment Adjusted EBITDA75Â 81Â 157Â 160Â Segment Adjusted EBITDA Margin27.0Â %27.2Â %27.7Â %27.3Â %Third-party sales for the Forged Wheels segment decreased $20, or 7%, in the second quarter of 2024 compared to the second quarter of 2023, primarily due to lower volumes in the commercial transportation market as well as a decrease in aluminum price and other inflationary cost pass through.Third-party sales for the Forged Wheels segment decreased $21, or 4%, in the six months ended JuneÂ 30, 2024 compared to the six months ended JuneÂ 30, 2023, primarily due to lower volumes in the commercial transportation market as well as a decrease in aluminum price and other inflationary cost pass through.Segment Adjusted EBITDA for the Forged Wheels segment decreased $6, or 7%, in the second quarter of 2024 compared to the second quarter of 2023, primarily due to lower volumes in the commercial transportation market.Segment Adjusted EBITDA for the Forged Wheels segment decreased $3, or 2%, in the six months ended JuneÂ 30, 2024 compared to the six months ended JuneÂ 30, 2023, primarily due to lower volumes in the commercial transportation market.Segment Adjusted EBITDA Margin for the Forged Wheels segment decreased approximately 20 basis points in the second quarter of 2024 compared to the second quarter of 2023, primarily due to lower volumes in the commercial transportation market partially offset by aluminum prices and other inflationary cost pass through.Segment Adjusted EBITDA Margin for the Forged Wheels segment increased approximately 40 basis points in the six months ended JuneÂ 30, 2024 compared to the six months ended JuneÂ 30, 2023, primarily due to lower aluminum prices and other inflationary cost pass through partially offset by lower volumes in the commercial transportation market.In 2024, as compared to 2023, demand in the commercial transportation markets served by Forged Wheels is expected to decrease in the second half in most regions due to lower OEM builds.Howmet Wheel Systems Mexico S. DE R.L. D.E. C.V. (â€œHowmet Mexicoâ€) has closed an investigation with Daimler Trucks North America (â€œDTNAâ€) related to two reports (involving four wheels) of potential rapid air loss associated with steer axle applications for Part ULA18X AlcoaÂ® Wheels that were manufactured by Howmet Mexicoâ€™s facility in Monterrey, Mexico between November 2022 and August 2023. DTNA filed a Defect Information Report with the National Highway Safety Transportation Administration (â€œNHTSAâ€) and a similar report with Transport Canada, which initiated a recall for Part ULA18X AlcoaÂ® Wheels manufactured during the Affected Period by Howmet Mexico that were sold in the United States and Canada. Following the investigation, it was determined that the rapid air loss events did not occur as reported. DTNA subsequently rescinded its recall with NHTSA on May 25, 2024 and Transport Canada will not require a recall. The impacts from this event were not material to the results of our operations.29 Reconciliation of Total Segment Adjusted EBITDA to Income before income taxesSecond quarter endedSix months endedJune 30,June 30,20242023Income

before income taxes$334Â $243Â $637Â $463Â Loss on debt redemptionâ€”Â â€”Â 1Â Interest expense, net49Â 55Â 98Â 112Â Other expense (income), net15Â (13)32Â (6)Operating income$398Â $285Â $767Â $570Â Segment provision for depreciation and amortization67Â 66Â 132Â 130Â Unallocated amounts:Restructuring and other charges22Â 3Â 22Â 4Â Corporate expense21Â 34Â 47Â 63Â Total Segment Adjusted EBITDA$508Â $388Â $968Â $767Â Total Segment Adjusted EBITDA is a non-GAAP financial measure. Management believes that this measure is meaningful to investors because it provides additional information with respect to the Companyâ€™s operating performance and the Companyâ€™s ability to meet its financial obligations. Differences between the total segment and consolidated totals are in Corporate. See Restructuring and other charges, Interest expense, net, Loss on debt redemption, and Other expense (income), net discussions above, under â€œResults of Operationsâ€ for reference.Corporate expense decreased $13, or 38%, in the second quarter of 2024 compared to the second quarter of 2023, primarily due to lower costs associated with closures, supply chain disruptions, and other items of $10, lower costs related to the collective bargaining agreement negotiations of $7, and higher net reimbursements related to the France Plant Fire and the Barberton Cast House Incident of $2, partially offset by higher employment costs in 2024.Corporate expense decreased $16, or 25%, in the six months ended JuneÂ 30, 2024 compared to the six months ended JuneÂ 30, 2023, primarily due to lower costs associated with closures, supply chain disruptions, and other items of $10, lower costs related to the collective bargaining agreement negotiations of $7, and higher net reimbursements related to the France Plant Fire and the Barberton Cast House Incident of $6, partially offset by higher employment and legal costs in 2024.Environmental MattersSee the Environmental Matters section of Note Q to the Consolidated Financial Statements in Part I, ItemÂ 1 of this Form 10-Q.Subsequent EventsSee Note R to the Consolidated Financial Statements in Part I, ItemÂ 1 of this Form 10-Q for subsequent events. Liquidity and Capital ResourcesOperating ActivitiesCash provided from operations was $574 in the six months ended JuneÂ 30, 2024 compared to $252 in the six months ended JuneÂ 30, 2023. The increase of $322 was primarily due to higher operating results of $217 and lower working capital of $111, partially offset by higher pension contributions of $5. The components of the change in working capital primarily included favorable changes in accounts payable of $86, receivables of $41, prepaid expenses and other current assets of $14, partially offset by $18 of taxes, including income taxes, inventories of $10 and compensation related payments and other accrued expenses of $2.Management expects Howmetâ€™s estimated pension contributions and other postretirement benefit payments in 2024 to be approximately $65.Financing ActivitiesCash used for financing activities was $301 in the six months ended JuneÂ 30, 2024 compared to $403 in the six months ended JuneÂ 30, 2023. The decrease of $102, or 25%, was primarily due to payments made in 2023 in connection with the reduction of long-term debt of $153 (See Note N to the Consolidated Financial Statements in Part I, ItemÂ 1 of this Form 10-Q for reference) and a decrease in taxes paid for the net share settlement of equity awards of $43, partially offset by an increase in common stock repurchases of $85 and increased dividends paid to common stock shareholders of $7 due to a $0.01 increase in dividends per common share. 30 On July 30, 2024, the Companyâ€™s Board of Directors declared a dividend of $0.08 per share on its common stock to be paid on August 26, 2024 to holders of record as of the close of business on August 9, 2024. The quarterly dividend represents a 60% increase from the second quarter 2024 dividend of $0.05 per share. On July 30, 2024, the Board of Directors of Howmet Aerospace approved the establishment of a 2025 dividend policy to pay cash dividends on the Companyâ€™s common stock in 2025 at a rate of 15% plus or minus 5% of net income excluding special items. The declaration of future common stock dividends is subject to the discretion and approval of the Board of Directors of Howmet after the Boardâ€™s consideration of all factors it deems relevant and subject to applicable law. The Company may modify, suspend, or cancel the dividend policy in any manner and at any time that it may deem necessary or appropriate.On July 1, 2024, the Company completed the early redemption of all of the remaining outstanding principal amount of $205 of its 5.125% Notes. The Company redeemed the 5.125% Notes at par value plus accrued interest. The 5.125% Notes were redeemed with cash on hand at an aggregate redemption price of approximately $208, including accrued interest of approximately $3. The Company also repurchased approximately $23 aggregate principal amount of its 6.875% Notes due May 2025 (the â€œ6.875% Notesâ€) with cash on hand in the second quarter of 2024. As a result of the redemption of the remaining outstanding 5.125% Notes and the repurchase of $23 aggregate principal amount of the 6.875% Notes, Interest expense, net is expected to be reduced annually by $12.The Company maintains a credit facility (the â€œCredit Facility) pursuant to its Five-Year Revolving Credit Agreement (the â€œCredit Agreementâ€) with a syndicate of lenders and issuers named therein (See Note N to the Consolidated Financial Statements in Part I, ItemÂ 1 of this Form 10-Q for reference). There were no amounts outstanding under the Credit Agreement as of JuneÂ 30, 2024 or DecemberÂ 31, 2023, and no amounts were borrowed during 2024 or 2023 under the Credit Agreement. On April 4, 2024, the Company established a commercial paper program under which the Company may issue unsecured commercial paper from time to time up to a maximum aggregate face amount of $1,000. The Companyâ€™s commercial paper will be sold on customary terms in the U.S. commercial paper market on a private placement basis. The proceeds of the commercial paper will be used for general corporate purposes. In conjunction with the commercial paper program, the Company was assigned short-term credit ratings by Moodyâ€™s Investors Service, Inc., S&P Global Ratings, and Fitch Ratings, Inc.The Company has an effective shelf registration statement on Form S-3, filed with the SEC, which allows for offerings of debt securities from time to time. The Company may opportunistically issue new debt securities in accordance with securities laws or utilize commercial paper in order to, but not limited to, refinance existing indebtedness. The Company continues to evaluate whether, when, and to what extent it may access capital markets, including any plans to refinance the 6.875% Notes due May 2025. Our ability to refinance our indebtedness or enter into alternative financings in adequate amounts on commercially reasonable terms, or terms acceptable to us, may be affected by circumstances and economic events outside of our control. In the event that a refinancing does not occur before the May 2025 maturity date of the 6.875% Notes, the Company believes that its projected cash on hand, availability under the Credit Facility, and its commercial paper program will enable the Company to repay the 6.875% Notes.In the future, the Company may, from time to time, redeem portions of its debt securities or repurchase portions of its debt or equity securities, including but not limited to the 6.875% Notes, in either the open market or through privately negotiated transactions, in accordance with applicable SEC and other legal requirements. The timing, prices, and sizes of purchases depend upon prevailing trading prices, general economic and market conditions, and other factors, including applicable securities laws. Such purchases may be completed by means of trading plans established from time to time in accordance with Rule 10b5-1 under the Securities Exchange Act of 1934, as amended, block trades, private transactions, open market repurchases, tender offers, and/or accelerated share repurchase agreements or other derivative transactions. The Companyâ€™s costs of borrowing and ability to access the capital markets are affected not only by market conditions but also by the short-term and long-term debt ratings assigned to the Company by the major credit rating agencies. The Company believes that its cash on hand, cash provided from operations and availability of its Credit Facility, its commercial paper program, and its accounts receivables securitization program will continue to be sufficient to fund our operating and capital allocation activities, including repayments of indebtedness.31 The three major credit rating agencies have rated Howmetâ€™s debt with investment grade ratings. The Companyâ€™s most recent short-term and long-term credit ratings from the three major credit rating agencies are as follows:Â Short-TermLong-TermOutlookMoodyâ€™s Investors Service, Inc. (â€œMoodyâ€™sâ€)P-3Baa3PositiveS&P Global Ratings (â€œS&Pâ€)A-3BBB-StableFitch Ratings, Inc. (â€œFitchâ€)F2BBBStableOn February 29, 2024, Moodyâ€™s upgraded Howmetâ€™s long-term debt rating from Ba1 to Baa3, citing demand in the markets served by Howmet along with the Companyâ€™s improved financial leverage, and affirmed the current outlook at positive. On December 15, 2023, S&P upgraded Howmetâ€™s long-term debt rating to BBB- and updated the current outlook from positive to stable, citing strong demand in the commercial aerospace market and the Companyâ€™s improved financial leverage.On August 23, 2023, Fitch upgraded Howmetâ€™s long-term debt rating from BBB- to BBB, citing the Companyâ€™s improved financial leverage, and affirmed the current outlook at stable.Investing ActivitiesCash used for investing activities was $129 in the six months ended JuneÂ 30, 2024 compared to $105 in the six months ended JuneÂ 30, 2023. The increase of $24, or 23%, was primarily due to an increase in capital expenditures of $32 primarily related to capacity expansion projects in Engine Products and Forged Wheels and various automation projects, partially offset by proceeds primarily from the sale of assets at a small U.K. manufacturing facility in Engine Products of $8.Recently Adopted and Recently Issued Accounting GuidanceSee Note B to the Consolidated Financial Statements in Part I, ItemÂ 1 of this Form 10-Q.Forward-Looking StatementsThis report contains (and oral communications made by Howmet may contain) statements that relate to future events and expectations and as such constitute forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements include those containing such words as â€œanticipatesâ€, â€œbelievesâ€, â€œcouldâ€, â€œestimatesâ€, â€œexpectsâ€, â€œforecastsâ€, â€œgoalâ€, â€œguidanceâ€, â€œintendsâ€, â€œmayâ€, â€œoutlookâ€, â€œplansâ€, â€œprojectsâ€, â€œseeksâ€, â€œseesâ€, â€œshouldâ€, â€œtargetsâ€, â€œwillâ€, â€œwouldâ€, or other words of similar meaning. All statements that reflect Howmetâ€™s expectations, assumptions or projections about the future, other than statements of historical fact, are forward-looking statements, including, without limitation, statements, forecasts and outlook relating to the condition of end markets; future financial results or operating performance; future strategic actions; Howmetâ€™s strategies, outlook, and business and financial prospects; and any future dividends, debt issuances, debt reduction and repurchases of its common stock. These statements reflect beliefs and assumptions that are based on Howmetâ€™s perception of historical trends, current conditions and expected future developments, as well as other factors Howmet believes are appropriate in the circumstances. Forward-looking statements are not guarantees of future performance and are subject to risks, uncertainties, and changes in circumstances that are difficult to predict, which could cause actual results to differ materially from those indicated by these statements. Such risks and uncertainties include, but are not limited to: (a) deterioration in global economic and financial market conditions generally; (b) adverse changes in the markets served by Howmet; (c) the impact of potential cyber attacks and information technology or data security breaches; (d) the loss of significant customers or adverse changes in customersâ€™ business or financial conditions; (e) manufacturing difficulties or other issues that impact product performance, quality or safety; (f) inability of suppliers to meet obligations due to supply chain disruptions or otherwise; (g) failure to attract and retain a qualified workforce and key personnel, labor disputes or other employee relations issues; (h) the inability to achieve anticipated or targeted revenue growth, cash generation, restructuring plans, cost reductions, improvement in profitability, or strengthening of competitiveness and operations; (i) inability to meet increased demand, production targets or commitments; (j) competition from new product offerings, disruptive technologies or other developments; (k) geopolitical, economic, and regulatory risks relating to Howmetâ€™s global operations, including geopolitical and diplomatic tensions, instabilities, conflicts and wars, as well as compliance with U.S. and foreign trade and tax laws, sanctions, embargoes and other regulations; (l) the outcome of contingencies, including legal proceedings, government or regulatory investigations, and environmental remediation, which can expose Howmet to substantial costs and liabilities; (m) failure to comply with government contracting regulations; (n) adverse changes in discount rates or investment returns on pension assets; and (o) the other risk factors summarized in Howmetâ€™s Form 10-K for the year ended DecemberÂ 31, 2023 and other reports filed with the U.S. Securities and Exchange Commission. Market projections are subject to the risks discussed above and other risks in the market. Credit ratings are not a recommendation to buy or hold any Howmet securities, and they may be revised or revoked at any time at the sole discretion of the credit rating organizations. The statements in this report are made as of the date of the filing of this report. Howmet disclaims any intention or obligation to update publicly any forward-looking statements, whether in response to new information, future events, or otherwise, except as required by applicable law.32 ItemÂ 3. Quantitative and Qualitative Disclosures about Market Risk.Not material.ItemÂ 4. Controls and Procedures.(a) Evaluation of Disclosure Controls and ProceduresThe Company's Chief Executive Officer and Chief Financial Officer have evaluated the Companyâ€™s disclosure controls and procedures, as defined in Rules 13a-15(e) and 15d-15(e) of the Securities Exchange Act of 1934, as amended, as of the end of the period covered by this report, and they have concluded that these controls and procedures are effective.(b) Changes in Internal Control over Financial ReportingThere have been no changes in internal control over financial reporting during the second quarter of 2024 that have materially affected, or are reasonably likely to materially affect, the Companyâ€™s internal control over financial reporting.PART II â€“ OTHER INFORMATIONItemÂ 1. Legal Proceedings.See Note Q to the Consolidated Financial Statements in Part I, ItemÂ 1 of this Form 10-Q.ItemÂ 1A. Risk Factors.There have been no material changes from the risk factors previously disclosed in Part I, Item 1A, â€œRisk Factorsâ€ in the Companyâ€™s Annual Report on Form 10-K for the year ended DecemberÂ 31, 2023.Item 2. Unregistered Sales of Equity Securities and Use of Proceeds.The following table presents information with respect to the Companyâ€™s repurchases of its common stock during the quarter ended JuneÂ 30, 2024: PeriodTotal Number of Shares PurchasedAverage Price Paid Per Share(1)Total Number of Shares Purchased as Part of Publicly Announced Repurchase Plans or ProgramsApproximate Dollar Value of Shares that May Yet Be Purchased Under the Plans or Programs (in millions)(1)(2)April 1 - April 30, 2024â€”Â $â€”Â â€”Â $547May 1 - May 31, 2024615,617Â $81.22Â 615,617Â $497June 1 - June 30, 2024119,120Â $83.95Â 119,120Â $487Total for quarter ended June 30, 2024734,737Â $81.66Â 734,737Â (1)Excludes commissions cost.(2)On August 18, 2021, the Company announced that its Board of Directors authorized a share repurchase program (the â€œShare Repurchase Programâ€) of up to $1,500 million of the Company's outstanding common stock. After giving effect to the share repurchases made through JuneÂ 30, 2024 and as of such date, approximately $487 million Board authorization remained available. See Part II, Item 5 (Other Information) for additional information about the Companyâ€™s Share Repurchase Program.Item 5. Other InformationOn July 30, 2024, the Companyâ€™s Board of Directors authorized a $2,000 million increase to the Companyâ€™s Share Repurchase Program, which, together with the remaining authorization of approximately $487 million, results in a Share Repurchase Program of up to approximately $2,487 million of the Companyâ€™s outstanding common stock. The Company has approximately 408 million shares of common stock outstanding as of JulyÂ 26, 2024. Under the Share Repurchase Program, the Company may repurchase shares by means of trading plans established from time to time in accordance with Rule 10b5-1 under the Securities Exchange Act of 1934, as amended, block trades, private transactions, open market repurchases and/or accelerated share repurchase agreements or other derivative transactions. There is no stated expiration for the Share Repurchase Program. Under the Share Repurchase Program, the Company may repurchase shares from time to time, in amounts, at prices, and at such times as the Company deems appropriate, subject to market conditions, legal requirements and other considerations. The Company is not obligated to repurchase any specific number of shares or to do so at any particular time, and the Share Repurchase Program may be suspended, modified or terminated at any time without prior notice.33 ItemÂ 6. Exhibits.10.1Howmet Aerospace Stock Incentive Plan, as Amended and Restated, incorporated by reference to Exhibit 10.1 to the Companyâ€™s Current Report on Form 8-K dated May 29, 2024.10.2Restricted Share Unit Retention Award Agreement for Michael N. Chanatry, dated as of April 15, 2024.31Certifications pursuant to SectionÂ 302 of the Sarbanes-Oxley Act of 2002.32Certification pursuant to SectionÂ 906 of the Sarbanes-Oxley Act of 2002.101.INSInline XBRL Instance Document - the instance document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document.101.SCHInline XBRL Taxonomy Extension Schema Document.101.CALInline XBRL Taxonomy Extension Calculation Linkbase Document.101.DEFInline XBRL Taxonomy Extension Definition Linkbase Document.101.LABInline XBRL Taxonomy Extension Label Linkbase Document.101.PREInline XBRL Taxonomy Extension Presentation Linkbase Document.104.Cover Page Interactive Data File - the cover page from this Quarterly Report on Form 10-Q for the quarter ended JuneÂ 30, 2024, formatted in Inline XBRL (included within the Exhibit 101 attachments).34 SIGNATURESPursuant to the requirements of the Securities Exchange Act of 1934, as amended, the Registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.Howmet Aerospace Inc.July 30, 2024/s/ Ken GiacobbeDateKen GiacobbeExecutive Vice President andChief Financial Officer(Principal Financial Officer)July 30, 2024/s/ Barbara L. ShultzDateBarbara L. ShultzVice President and Controller(Principal Accounting Officer)35 EX-10.2 2 ex102_2q24.htm EX-10.2 DocumentExhibit 10.2HOWMET AEROSPACE INC.2013 HOWMET AEROSPACE STOCK INCENTIVE PLAN SPECIAL RETENTION AWARD AGREEMENTGrant Date: April 15, 2024The terms and conditions of this Special Retention Award Agreement, including Appendices A and B attached hereto, (the â€œAward Agreementâ€) are authorized by the Compensation and Benefits Committee of the Board of Directors. The special retention award (â€œSpecial Retention Awardâ€) is granted to the Participant under the 2013 Howmet Aerospace Stock Incentive Plan, as amended and restated and as may be further amended from time to time (the â€œPlanâ€).Terms that are defined in the Plan have the same meanings in the Award Agreement.NOTE: To avoid cancellation of the Special Retention Award, the Participant must affirmatively accept the Award and the terms of this Award Agreement within 6 months of the grant date, as set forth in paragraph 30 of the Award Agreement.General Terms and Conditions1.The Special Retention Awards are subject to the provisions of the Plan and the provisions of the Award Agreement. If the Plan and the Award Agreement are inconsistent, the provisions of the Plan will govern. Interpretations of the Plan and the Award Agreement by the Committee are binding on the Participant and the Company. A Special Retention Award is an undertaking by the Company to issue the number of Shares indicated in the notice of the Special Retention Award on the date the Special Retention Award vests, subject to the fulfillment of certain conditions, except to the extent otherwise provided in the Plan or herein.Vesting and Payment2.The Special Retention Award vests on February 15, 2026, and will be paid to the Participant in Shares on the vesting date or within 90 days thereafter.3.As a condition to a Special Retention Award vesting, a Participant must remain an active employee of the Company or a Subsidiary through the date of vesting. Except as provided in paragraph 5, if a Participantâ€™s employment with the Company (including its Subsidiaries) is terminated prior to the vesting

date of the Special Retention Award, the Special Retention Award is forfeited and is automatically canceled.4.Special Retention Awards will be paid by the issuance to the Participant of Shares covered by the Special Retention Award. Prior to issuance of the Shares, the Participant has no voting rights. Dividend equivalents will accrue on Special Retention Awards, unless the Committee determines that no dividend equivalents may be accrued or paid. Dividend equivalents that accrue on Special Retention Awards will be equal to the common stock dividend per Share payable on the Companyâ€™s common stock multiplied by the number of Shares covered by the Special Retention Award. Notwithstanding any provision herein to the contrary, no dividends or dividend equivalents will be paid on Special Retention Awards that have not vested.5.The following are exceptions to the vesting rules:â€¢Involuntary Termination without Cause: An unvested Special Retention Award held by a Participant who is involuntarily terminated without Cause (as defined below) from employment with the Company or a Subsidiary during the vesting period is not forfeited in whole but only in part upon termination of employment. The portion of the Special Retention Award that is not forfeited vests on the original stated vesting date set forth in paragraph 2 and is calculated based on a proportionate share of the time during the vesting period that the Participant remained actively employed with the Company or a Subsidiary, with the remaining portion being automatically forfeited. The proportionate share is computed on the basis of the actual number of days actively employed after the date of grant over a total vesting period (based on 360 days per year) of 662 days.1For this purpose, if the Participant participates in the Howmet Aerospace Inc. Change in Control Severance Plan, â€œCauseâ€ shall have the meaning set forth in such plan. If the Participant does not participate in the Howmet Aerospace Inc. Change in Control Severance Plan, â€œCauseâ€ means (i) the willful and continued failure by the Participant to substantially perform the Participantâ€™s duties with the Employer that has not been cured within 30 days after a written demand for substantial performance is delivered to the Participant by the Board or the Participantâ€™s direct supervisor, which demand specifically identifies the manner in which the Participant has not substantially performed the Participantâ€™s duties, (ii) the willful engaging by the Participant in conduct which is demonstrably and materially injurious to the Company or a Subsidiary, monetarily or otherwise; (iii) the Participantâ€™s fraud or acts of dishonesty relating to the Company or any of its Subsidiaries, or (iv) the Participantâ€™s conviction of any misdemeanor relating to the affairs of the Company or any of its Subsidiaries or indictment for any felony. For purposes of clauses (i) and (ii) of this definition, no act, or failure to act, on the Participantâ€™s part shall be deemed â€œwillfulâ€ unless done, or omitted to be done, by the Participant not in good faith and without reasonable belief that the Participantâ€™s act, or failure to act, was in the best interest of the Company.â€¢Death or Disability: An unvested Special Retention Award held by a Participant, who dies while an employee or who is permanently and totally disabled while an employee, is not forfeited but vests on the original stated vesting date set forth in paragraph 2.A Participant is deemed to be permanently and totally disabled if the Participant is unable to engage in any substantial gainful activity by reason of any medically determinable physical or mental impairment which can be expected to result in death or which has lasted or can be expected to last for a continuous period of not less than 12 months. A Participant shall not be considered to be permanently and totally disabled unless the Participant furnishes proof of the existence thereof in such form and manner, and at such times, as the Company may require. In the event of a dispute, the determination whether a Participant is permanently and totally disabled will be made by the Committee or its delegate.â€¢Change in Control: A Special Retention Award vests if a Replacement Award is not provided following certain Change in Control events, as described in the Plan. If the Change in Control qualifies as a â€œchange in control eventâ€ within the meaning of Treas. Reg. Â§ 1.409A-3(i)(5), the vested Special Retention Award will be paid to the Participant within 30 days following the Change in Control. If the Change in Control does not so qualify, the vested Special Retention Award will be paid to the Participant on the original stated vesting date set forth in paragraph 2.â€¢Termination Following Change in Control: As further described in the Plan, if a Replacement Award is provided following a Change in Control, but within 24 months of such Change in Control the Participantâ€™s employment is terminated without Cause (as defined in the Howmet Aerospace Inc. Change in Control Severance Plan) or by the Participant for Good Reason (as defined in the Howmet Aerospace Inc. Change in Control Severance Plan), the Replacement Award will vest and will be paid to the Participant on the original stated vesting date set forth in paragraph 2.Taxes6.All taxes required to be withheld under applicable tax laws in connection with a Special Retention Award must be paid by the Participant at the appropriate time under applicable tax laws. The Company may satisfy applicable tax withholding obligations by any of the means set forth in Section 15(l) of the Plan, but will generally withhold from the Shares to be issued upon payment of the Special Retention Award that number of Shares with a fair market value on the vesting date equal to the taxes required to be withheld at the minimum required rates or, to the extent permitted under applicable accounting principles, at up to the maximum individual tax rate for the applicable tax jurisdiction, which include, for Participants subject to taxation in the United States, applicable income taxes, federal and state unemployment compensation taxes and FICA/FUTA taxes. Notwithstanding the foregoing, if the Participant is subject to the short-swing profit rules of Section 16(b) of the Securities Exchange Act of 1934, as amended, the Company will withhold Shares from the Shares to be issued upon payment of the Special Retention Award, as described herein, and will not use the other means set forth in the Plan unless approved by the Committee or in the event that withholding in Shares is problematic under applicable tax or securities law or has materially adverse accounting consequences. Further, notwithstanding anything herein to the contrary, the Company may cause a portion of the Special Retention Award to vest prior to the stated vesting date set forth in paragraph 2 in order to satisfy any Tax-Related Items that arise prior to the date 2of settlement of the Special Retention Award; provided that to the extent necessary to avoid a prohibited distribution under Section 409A of the Code, the portion of the Special Retention Award so accelerated and settled shall be with respect to a number of Shares with a value that does not exceed the liability for such Tax-Related Items.Beneficiaries7.If permitted by the Company, Participants will be entitled to designate one or more beneficiaries to receive all Special Retention Awards that have not yet vested at the time of death of the Participant. All beneficiary designations will be on beneficiary designation forms approved for the Plan. Copies of the form are available from the Communications Center on Merrill Lynchâ€™s OnLineÂ® website www.benefits.ml.com.8.Beneficiary designations on an approved form will be effective at the time received by the Communications Center on Merrill Lynchâ€™s OnLineÂ® website www.benefits.ml.com. A Participant may revoke a beneficiary designation at any time by written notice to the Communications Center on Merrill Lynchâ€™s OnLineÂ® website www.benefits.ml.com or by filing a new designation form. Any designation form previously filed by a Participant will be automatically revoked and superseded by a later-filed form.9.A Participant will be entitled to designate any number of beneficiaries on the form, and the beneficiaries may be natural or corporate persons.10.The failure of any Participant to obtain any recommended signature on the form will not prohibit the Company from treating such designation as valid and effective. No beneficiary will acquire any beneficial or other interest in any Special Retention Award prior to the death of the Participant who designated such beneficiary.11.Unless the Participant indicates on the form that a named beneficiary is to receive Special Retention Awards only upon the prior death of another named beneficiary, all beneficiaries designated on the form will be entitled to share equally in the Special Retention Awards upon vesting. Unless otherwise indicated, all such beneficiaries will have an equal, undivided interest in all such Special Retention Awards.12.Should a beneficiary die after the Participant but before the Special Retention Award is paid, such beneficiaryâ€™s rights and interest in the Special Retention Award will be transferable by the beneficiaryâ€™s last will and testament or by the laws of descent and distribution. A named beneficiary who predeceases the Participant will obtain no rights or interest in a Special Retention Award, nor will any person claiming on behalf of such individual. Unless otherwise specifically indicated by the Participant on the beneficiary designation form, beneficiaries designated by class (such as â€œchildren,â€ â€œgrandchildren,â€ etc.) will be deemed to refer to the members of the class living at the time of the Participantâ€™s death, and all members of the class will be deemed to take â€œper capita.â€13.If a Participant does not designate a beneficiary or if the Company does not permit a beneficiary designation, the Special Retention Award that has not yet vested or been paid at the time of death of the Participant will vest and be paid to the Participantâ€™s legal heirs pursuant to the Participantâ€™s last will and testament or by the laws of descent and distribution.Adjustments14.In the event of an Equity Restructuring, the Committee will equitably adjust the Special Retention Award as it deems appropriate to reflect the Equity Restructuring, which may include (i) adjusting the number and type of securities subject to the Special Retention Award; and (ii) adjusting the terms and conditions of the Special Retention Award. The adjustments provided under this paragraph 14 will be nondiscretionary and final and binding on all interested parties, including the affected Participant and the Company; provided that the Committee will determine whether an adjustment is equitable.Repayment/Forfeiture15.Pursuant to Section 15(e) of the Plan the Committee has full power and authority, to the extent permitted by governing law, to determine that the Special Retention Award will be canceled or suspended at any time prior 3to a Change in Control: (i) if the Participant violates any agreement in place with the Company or a Subsidiary, such as a non-competition agreement, settlement agreement or confidentiality agreement, the violation of which is injurious to the Company or any Subsidiary, monetarily, reputationally or otherwise; (ii) in the event of the Participantâ€™s fraudulent conduct or willful engagement in conduct, in each case which is injurious to the Company or any Subsidiary, monetarily or otherwise; (iii) in the event of a â€œclawbackâ€ of Awards as described in Section 15(f) of the Plan; (iv) in order to comply with applicable laws as described in Section 15(h) of the Plan, or (v) in the event of the Participantâ€™s violation of the Companyâ€™s Code of Conduct or applicable law, in each case which is injurious to the Company or any Subsidiary, monetarily, reputationally or otherwise.Further, as an additional condition of receiving the Special Retention Award, the Participant agrees that the Special Retention Award and any Shares, cash, sale proceeds or other benefits the Participant may receive hereunder shall be subject to forfeiture and/or repayment to the Company (i) to the extent required under the Companyâ€™s Executive Officer Incentive Compensation Recovery Policy, if applicable to the Participant, or under any other recoupment or â€œclawbackâ€ policy adopted by the Company to comply with applicable laws or with the Companyâ€™s Corporate Governance Guidelines or other similar requirements, as any such policy may be amended from time to time (and such requirements shall be deemed incorporated into the Award Agreement without the Participantâ€™s consent), or as otherwise may be required to comply with applicable laws, rules, regulations or stock exchange listing standards, including, without limitation, Section 304 of the Sarbanes-Oxley Act of 2002; or (ii) as determined appropriate by the Board pursuant to the Excess Compensation Clawback set forth in Section 15(f) of the Plan, which is incorporated herein by reference. Further, if the Participant otherwise receives any amount in excess of what the Participant should have received under the terms of the Special Retention Award for any reason (including without limitation by reason of a mistake in calculations or administrative error), all as determined by the Committee, then the Participant shall be required to promptly repay any such excess amount to the Company.The Repayment/Forfeiture provisions of this paragraph 15 shall apply notwithstanding anything herein or in the Plan to the contrary, provided that in no event shall there be any duplication of recovery of amounts from the Participant under the Excess Compensation Clawback, the Executive Officer Incentive Compensation Recovery Policy, Section 304 of the Sarbanes-Oxley Act of 2002, Section 15(e) of the Plan, or any other recoupment policy, provision or requirement.Miscellaneous Provisions16.Stock Exchange Requirements; Applicable Laws. Notwithstanding anything to the contrary in the Award Agreement, no Shares issuable upon vesting of the Special Retention Awards, and no certificate representing all or any part of such Shares, shall be issued or delivered if, in the opinion of counsel to the Company, such issuance or delivery would cause the Company to be in violation of, or to incur liability under, any local, state, federal or foreign securities or exchange control law, or any rule, regulation or procedure of anyU.S. national securities exchange upon which any securities of the Company are listed, or any listing agreement with any such securities exchange, or any other requirement of law or of any local, state, federal or foreign administrative or regulatory body having jurisdiction over the Company or a Subsidiary.17.Non-Transferability. The Special Retention Award is non-transferable and may not be assigned, alienated, pledged, attached, sold or otherwise transferred or encumbered by the Participant other than by will or the laws of descent and distribution and any such purported assignment, alienation, pledge, attachment, sale, transfer or encumbrance shall be void and unenforceable against the Company; provided, that, the designation of a beneficiary shall not constitute an assignment, alienation, pledge, attachment, sale, transfer or encumbrance.18.Shareholder Rights. No person or entity shall be entitled to vote, receive dividends or be deemed for any purpose the holder of any Shares until the Special Retention Award shall have vested and been paid in the form of Shares in accordance with the provisions of the Award Agreement.19.Notices. Any notice required or permitted under the Award Agreement shall be in writing and shall be deemed sufficient when delivered personally or sent by confirmed email, telegram, or fax or five days after being deposited in the mail, as certified or registered mail, with postage prepaid, and addressed to the Company at the Companyâ€™s principal corporate offices or to the Participant at the address maintained for the Participant in the Companyâ€™s records or, in either case, as subsequently modified by written notice to the other party.420.Severability and Judicial Modification. If any provision of the Award Agreement is held to be invalid or unenforceable under the applicable laws of any country, state, province, territory or other political subdivision or the Company elects not to enforce such restriction, the remaining provisions shall remain in full force and effect and the invalid or unenforceable provision shall be modified only to the extent necessary to render that provision valid and enforceable to the fullest extent permitted by law. If the invalid or unenforceable provision cannot be, or is not, modified, that provision shall be severed from the Award Agreement and all other provisions shall remain valid and enforceable.21.Successors. The Award Agreement shall be binding upon and inure to the benefit of the Company and its successors and assigns, on the one hand, and the Participant and his or her heirs, beneficiaries, legatees and personal representatives, on the other hand.22.Appendices. Notwithstanding any provisions in the Award Agreement, for Participants residing and/or working outside the United States, the Special Retention Award shall be subject to the additional terms and conditions set forth in Appendix A to the Award Agreement and to any special terms and conditions for the Participantâ€™s country set forth in Appendix B to the Award Agreement. Moreover, if the Participant relocates outside the United States or relocates between the countries included in Appendix B, the additional terms and conditions set forth in Appendix A and the special terms and conditions for such country set forth in Appendix B will apply to the Participant, to the extent the Company determines that the application of such terms and conditions is necessary or advisable for legal or administrative reasons. The Appendices constitute part of the Award Agreement.23.Imposition of Other Requirements. The Company reserves the right to impose other requirements on the Participantâ€™s participation in the Plan, on the Special Retention Award and on any Shares acquired under the Plan, to the extent the Company determines it is necessary or advisable for legal or administrative reasons, and to require the Participant to sign any additional agreements or undertakings that may be necessary to accomplish the foregoing.24.Compliance with Code Section 409A. It is intended that the Special Retention Award granted pursuant to the Award Agreement be compliant with Section 409A of the Code and the Award Agreement shall be interpreted, construed and operated to reflect this intent. Notwithstanding the foregoing, the Award Agreement and the Plan may be amended at any time, without the consent of any party, to the extent necessary or desirable to satisfy any of the requirements under Section 409A of the Code, but the Company shall not be under any obligation to make any such amendment. Further, the Company and its Subsidiaries do not make any representation to the Participant that the Special Retention Award granted pursuant to the Award Agreement satisfies the requirements of Section 409A of the Code, and the Company and its Subsidiaries will have no liability or other obligation to indemnify or hold harmless the Participant or any other party for any tax, additional tax, interest or penalties that the Participant or any other party may incur in the event that any provision of the Award Agreement or any amendment or modification thereof or any other action taken with respect thereto, is deemed to violate any of the requirements of Section 409A of the Code.25.Waiver. A waiver by the Company of breach of any provision of the Award Agreement shall not operate or be construed as a waiver of any other provision of the Award Agreement, or of any subsequent breach by the Participant or any other Participant.526.No Advice Regarding Award. The Company is not providing any tax, legal or financial advice, nor is the Company making any recommendations regarding the Participantâ€™s participation in the Plan, or the Participantâ€™s acquisition or sale of the underlying Shares. The Participant understands and agrees to consult with the Participantâ€™s own personal tax, legal and financial advisors regarding the Participantâ€™s participation in the Plan before taking any action related to the Plan.27.Governing Law and Venue. As stated in the Plan, the Special Retention Award and the provisions of the Award Agreement and all determinations made and actions taken thereunder, to the extent not otherwise governed by the laws of the United States, shall be governed by the laws of the State of Delaware, United States of America, without reference to principles of conflict of laws, and construed accordingly. The jurisdiction and venue for any disputes arising under, or any actions brought to enforce (or otherwise relating to), the Special Retention Award will be exclusively in the courts in the State of New York, County of New York, including the Federal Courts located therein (should Federal jurisdiction exist).28.Electronic Delivery and Acceptance. The Company may, in its sole discretion, decide to deliver any documents related to current or future participation in the Plan by electronic means. The Participant hereby consents to receive such documents by electronic delivery and agrees to participate in the Plan through an on-line or electronic system established and maintained by the Company or a third party designated by the Company.29.Entire Agreement. The Award Agreement and the Plan embody the entire understanding and agreement of the parties with respect to the subject matter hereof, and no promise, condition, representation or warranty, express or implied, not stated or incorporated by reference herein, shall bind either party hereto.Acceptance of AwardAs permitted by Section 15(c) of the Plan, receipt of this Special Retention Award is subject to the Participantâ€™s acceptance of the Award and the terms of this Award Agreement and the Plan through Merrill Lynchâ€™s OnLineÂ® website www.benefits.ml.com and/or through such other procedures as may be required by the Company (Participantâ€™s â€œAcceptanceâ€). To avoid forfeiture of the Award, the Participant must provide such Acceptance within 6 months of the grant date of the Award. The date as of which the Participantâ€™s Special Retention

Award shall be forfeited, if the Participant has not provided such Acceptance, will generally be set forth in the Participantâ€™s account at Merrill Lynchâ€™s OnLineÂ® website. If the Participant does not provide Acceptance within this 6 month period, the Award will be cancelled in accordance with any administrative procedures adopted under the Plan.6APPENDIX A TO THE HOWMET AEROSPACE INC.2013 Stock Incentive PlanSpecial Retention Award AgreementFor Non-U.S. Participants7APPENDIX B TO THE HOWMET AEROSPACE INC.2013 Stock Incentive PlanSpecial Retention Award AgreementFor Non-U.S. Participants8 EX-31 3 ex31_2q24.htm EX-31 DocumentExhibit 31CertificationsI, John C. Plant, certify that:1.I have reviewed this quarterly report on FormÂ 10-QÂ of Howmet Aerospace Inc.;2.Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;3.Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;4.The registrantâ€™s other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act RulesÂ 13a-15(e)Â andÂ 15d-15(e))Â and internal control over financial reporting (as defined in Exchange Act RulesÂ 13a-15(f)Â andÂ 15d-15(f))Â for the registrant and have:(a)Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;(b)Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;(c)Evaluated the effectiveness of the registrantâ€™s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and(d)Disclosed in this report any change in the registrantâ€™s internal control over financial reporting that occurred during the registrantâ€™s most recent fiscal quarter (the registrantâ€™s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrantâ€™s internal control over financial reporting; and5.The registrantâ€™s other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrantâ€™s auditors and the audit committee of the registrantâ€™s board of directors (or persons performing the equivalent functions):(a)All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrantâ€™s ability to record, process, summarize and report financial information; and(b)Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrantâ€™s internal control over financial reporting.Â Date: JulyÂ 30, 2024 Â /s/ John C. PlantJohn C. PlantExecutive Chairman and Chief Executive OfficerI, Ken Giacobbe, certify that:1.I have reviewed this quarterly report on FormÂ 10-QÂ of Howmet Aerospace Inc.;2.Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;3.Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;4.The registrantâ€™s other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act RulesÂ 13a-15(e)Â andÂ 15d-15(e))Â and internal control over financial reporting (as defined in Exchange Act RulesÂ 13a-15(f)Â andÂ 15d-15(f))Â for the registrant and have:(a)Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;(b)Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;(c)Evaluated the effectiveness of the registrantâ€™s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and(d)Disclosed in this report any change in the registrantâ€™s internal control over financial reporting that occurred during the registrantâ€™s most recent fiscal quarter (the registrantâ€™s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrantâ€™s internal control over financial reporting; and5.The registrantâ€™s other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrantâ€™s auditors and the audit committee of the registrantâ€™s board of directors (or persons performing the equivalent functions):(a)All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrantâ€™s ability to record, process, summarize and report financial information; and(b)Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrantâ€™s internal control over financial reporting.Date: JulyÂ 30, 2024 Â /s/ Ken GiacobbeKen GiacobbeExecutive Vice President and Chief Financial OfficerÂ EX-32 4 ex32_2q24.htm EX-32 DocumentExhibit 32CertificationPursuant to SectionÂ 906 of the Sarbanes-Oxley Act of 2002Pursuant to SectionÂ 906 of the Sarbanes-Oxley Act of 2002 (subsections (a)Â and (b) of SectionÂ 1350, Chapter 63 of Title 18, United States Code), each of the undersigned officers of Howmet Aerospace Inc., a Delaware corporation (the â€œCompanyâ€), does hereby certify that:The Quarterly Report on FormÂ 10-QÂ for the period ended JuneÂ 30, 2024 (the â€œFormÂ 10-Qâ€)Â of the Company fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934 and information contained in the FormÂ 10-QÂ fairly presents, in all material respects, the financial condition and results of operations of the Company.Â Dated:JulyÂ 30, 2024/s/ John C. PlantJohn C. PlantExecutive Chairman and Chief Executive OfficerDated:JulyÂ 30, 2024/s/ Ken GiacobbeKen GiacobbeExecutive Vice President and Chief Financial OfficerA signed original of this written statement required by SectionÂ 906, or other document authenticating, acknowledging, or otherwise adopting the signature that appears in typed form within the electronic version of this written statement required by SectionÂ 906, has been provided to the Company and will be retained by the Company and furnished to the Securities and Exchange Commission or its staff upon request.The foregoing certification is being furnished to the Securities and Exchange Commission as an exhibit to the FormÂ 10-QÂ and shall not be considered filed as part of the FormÂ 10-Q. EX-101.SCH 5 hwm-20240630.xsd XBRL TAXONOMY EXTENSION SCHEMA DOCUMENT 0000001 - Document - Cover link:presentationLink link:calculationLink link:definitionLink 9952151 - Statement - Statement of Consolidated Operations (unaudited) link:presentationLink link:calculationLink link:definitionLink 9952152 - Statement - Statement of Consolidated Comprehensive Income (unaudited) link:presentationLink link:calculationLink link:definitionLink 9952153 - Statement - Consolidated Balance Sheet (unaudited) link:presentationLink link:calculationLink link:definitionLink 9952154 - Statement - Consolidated Balance Sheet (unaudited) (Parenthetical) link:presentationLink link:calculationLink link:definitionLink 9952155 - Statement - Statement of Consolidated Cash Flows (unaudited) link:presentationLink link:calculationLink link:definitionLink 9952156 - Statement - Statement of Changes in Consolidated Equity (unaudited) link:presentationLink link:calculationLink link:definitionLink 9952157 - Statement - Statement of Changes in Consolidated Equity (unaudited) (Parenthetical) link:presentationLink link:calculationLink link:definitionLink 9952158 - 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Other Expense (Income), Net - Other Expense, Net (Details) link:presentationLink link:calculationLink link:definitionLink 9954496 - Disclosure - Other Expense (Income), Net - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954497 - Disclosure - Income Taxes - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954498 - Disclosure - Income Taxes - Income Tax Provisions (Details) link:presentationLink link:calculationLink link:definitionLink 9954499 - Disclosure - Earnings Per Share and Common Stock - Reconciliation of Information Used to Compute Basic and Diluted EPS (Details) link:presentationLink link:calculationLink link:definitionLink 9954500 - Disclosure - Earnings Per Share and Common Stock - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954501 - Disclosure - Earnings Per Share and Common Stock - Accelerated Share Repurchases (Details) link:presentationLink link:calculationLink link:definitionLink 9954502 - Disclosure - Accumulated Other Comprehensive Loss (Details) link:presentationLink link:calculationLink link:definitionLink 9954503 - Disclosure - Receivables (Details) link:presentationLink link:calculationLink link:definitionLink 9954504 - Disclosure - Inventories - Inventories Components (Details) link:presentationLink link:calculationLink link:definitionLink 9954505 - Disclosure - Inventories - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954506 - Disclosure - Properties, Plants, and Equipment, net- Properties, Plants, and Equipment, Net (Details) link:presentationLink link:calculationLink link:definitionLink 9954507 - Disclosure - Property, Plant, and Equipment, net- Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954508 - Disclosure - Leases - Narrative (Details) link:presentationLink link:calculationLink link:definitionLink 9954509 - Disclosure - Leases - Operating Lease Assets and Liabilities in the Consolidated Balance Sheet (Details) link:presentationLink link:calculationLink link:definitionLink 9954510 - Disclosure - Debt - Long-Term Debt (Details) link:presentationLink link:calculationLink link:definitionLink 9954510 - Disclosure - Debt - Long-Term Debt (Details) link:presentationLink link:calculationLink link:definitionLink 9954511 - Disclosure - Debt - Public Debt (Details) link:presentationLink link:calculationLink link:definitionLink 9954512 - Disclosure - Debt - Term Loan Facilities (Details) link:presentationLink link:calculationLink link:definitionLink 9954513 - Disclosure - Debt - Credit Facility (Details) link:presentationLink link:calculationLink link:definitionLink 9954514 - Disclosure - Debt - Commercial Paper (Details) link:presentationLink link:calculationLink link:definitionLink 9954515 - Disclosure - Fair Value of Financial Instruments (Details) link:presentationLink link:calculationLink link:definitionLink 9954516 - Disclosure - Divestiture (Details) link:presentationLink link:calculationLink link:definitionLink 9954517 - Disclosure - Contingencies, Commitments and Other Liabilities (Details) link:presentationLink link:calculationLink link:definitionLink 9954518 - Disclosure - Subsequent Events (Details) link:presentationLink link:calculationLink link:definitionLink EX-101.CAL 6 hwm-20240630_cal.xml XBRL TAXONOMY EXTENSION CALCULATION LINKBASE DOCUMENT EX-101.DEF 7 hwm-20240630_def.xml XBRL TAXONOMY EXTENSION DEFINITION LINKBASE DOCUMENT EX-101.LAB 8 hwm-20240630_lab.xml XBRL TAXONOMY EXTENSION LABEL LINKBASE DOCUMENT Engineered Structures Structure Systems [Member] Structure Systems Adjustments to reconcile net income to cash provided from operations: Adjustments to Reconcile Net Income (Loss) to Cash Provided by (Used in) Operating Activities [Abstract] Statistical Measurement [Domain] Statistical Measurement [Domain] Repurchases and payments on debt (N) Repayments of Long-Term Debt Remaining authorized repurchase amount Share Repurchase Program, Remaining Authorized, Amount Capital expenditures Capital expenditures Segment, Expenditure, Addition to Long-Lived Assets Release of valuation allowance, foreign tax credits, amount Effective Income Tax Rate Reconciliation, Release Of Valuation Allowance, Foreign Tax Credits, Amount Effective Income Tax Rate Reconciliation, Release Of Valuation Allowance, Foreign Tax Credits, Amount Pre-tax income at estimated annual effective income tax rate before discrete items Effective Income Tax Rate Reconciliation at Federal Statutory Income Tax Rate, Amount Supplier invoices subject to future payment Supplier Finance Program, Obligation, Current Cover page. Cover [Abstract] Net change in cash, cash equivalents and restricted cash Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect Decrease in obligation, pension benefits Increase (Decrease) in Obligation, Pension Benefits 3.000% Notes, due 2029 Three Percent Notes Due Two Thousand Twenty Nine [Member] Three Percent Bonds Due Two Thousand Twenty Nine [Member] Other current liabilities (M)(Q) Other Liabilities, Current Income Tax Authority [Domain] Income Tax Jurisdiction [Domain] Trading Symbol Trading Symbol Segment Reporting Information [Line Items] Segment Reporting Information [Line Items] Schedule of Reconciliation of Information Used to Compute Basic and Diluted EPS Schedule of Earnings Per Share, Basic and Diluted [Table Text Block] Schedule of Accelerated Share Repurchases Accelerated Share Repurchases [Table Text Block] Common (in usd per share) Dividends declared (in usd per share) Common Stock, Dividends, Per Share, Declared Derivative [Line Items] Derivative [Line Items] Forged Wheels Wheel Systems [Member] Wheel Systems Receivables from customers, allowances Accounts Receivable, Allowance for Credit Loss, Current Industrial and Other Industrial And Other [Member] Industrial And Other [Member] Derivative [Table] Derivative [Table] Income Tax Contingency [Table] Income Tax Contingency [Table] Earnings Per Share Earnings Per Share, Policy [Policy Text Block] Proceeds from exercise of employee stock options Proceeds from Stock Options Exercised Land and land rights Land [Member] Restructuring and Related Activities [Abstract] Restructuring and Related Activities [Abstract] Portion at Fair Value Measurement Portion at Fair Value Measurement [Member] Common stock outstanding (in shares) Common Stock, Shares, Outstanding Recognized net actuarial (gain) loss Defined Benefit Plan, Actuarial Gain (Loss), Immediate Recognition as Component in Net Periodic Benefit (Cost) Credit Leases Lessee, Operating Leases [Text Block] Stock-based compensation Increase (Decrease) In Share-based Compensation Increase (Decrease) In Share-based Compensation Other receivables Other Receivables, Net, Current Operating Lease, Liability, Noncurrent, Statement of Financial Position [Extensible List] Operating Lease, Liability, Noncurrent, Statement of Financial Position

[Extensible Enumeration] Long-term portion of lease liabilities classified in Other noncurrent liabilities and deferred credits Operating Lease, Liability, Noncurrent Number of employees associated with layoff costs Restructuring and Related Cost, Number of Positions Eliminated Financing Activities Net Cash Provided by (Used in) Financing Activities, Continuing Operations [Abstract] Debt covenants, net debt to consolidated EBITDA ratio Debt Instrument, Covenant Compliance, Ratio Of Consolidated Net Debt To Consolidated EBITDA Debt Instrument, Covenant Compliance, Ratio Of Consolidated Net Debt To Consolidated EBITDA Engineered Structures Engineered Structures [Member] Engineered Structures US UNITED STATES Other noncurrent liabilities and deferred credits (M) Deferred Credits and Other Liabilities, Noncurrent Service cost Defined Benefit Plan, Service Cost Other noncurrent assets (M) Other Assets, Noncurrent Entity Tax Identification Number Entity Tax Identification Number 6.750% Bonds, due 2028 Six Point Seven Five Percent Bond Due Two Thousand Twenty Eight [Member] Six point seven five percent bonds due two thousand twenty eight. Leases [Abstract] Leases [Abstract] Payments for legal settlements Payments for Legal Settlements Antidilutive Securities, Name [Domain] Antidilutive Securities, Name [Domain] Retirement Plan Type [Axis] Retirement Plan Type [Axis] Total segment Operating Segments [Member] Receivable Type [Axis] Receivable Type [Axis] Cash provided from operations Net Cash Provided by (Used in) Operating Activities Taxes, including income taxes (G) Taxes Payable, Current Schedule of Changes in Accumulated Other Comprehensive Loss by Component Schedule of Accumulated Other Comprehensive Income (Loss) [Table Text Block] Inter-segment sales Intersegment Eliminations [Member] Equity Components [Axis] Equity Components [Axis] Reversal of previously recorded litigation amount Loss Contingency Accrual, Period Increase (Decrease) Financing receivables, held as collateral Financing Receivables, Held As Collateral Financing Receivables, Held As Collateral Net periodic cost (benefit) Defined Benefit Plan, Net Periodic Benefit Cost (Credit) Restructuring Type [Axis] Restructuring Type [Axis] Entity Common Stock, Shares Outstanding Entity Common Stock, Shares Outstanding RTX Corporation RTX Corporation [Member] RTX Corporation Pension contributions Payment for Pension Benefits Receivable [Domain] Receivable [Domain] Combined fair value of guarantees Guarantees, Fair Value Disclosure Amortization of net actuarial loss and prior service cost and net amount reclassified to earnings Reclassification from AOCI, Current Period, before Tax, Attributable to Parent Entity Small Business Entity Small Business Geographical [Axis] Geographical [Axis] Schedule of Restructuring and Other Charges Restructuring and Related Costs [Table Text Block] Supplier Finance Program, Obligation, Current, Statement of Financial Position [Extensible Enumeration] Supplier Finance Program, Obligation, Current, Statement of Financial Position [Extensible Enumeration] Remediation reserve balance Accrual for Environmental Loss Contingencies Stock Repurchased During Period, Value Stock Repurchased During Period, Value Number of anti-dilutive securities (in shares) Antidilutive Securities Excluded from Computation of Earnings Per Share, Amount 6.875% Notes, due 2024 Six Point Eight Seven Five Percent Notes Due Two Thousand Twenty Four [Member] Six Point Eight Seven Five Percent Notes Due Two Thousand Twenty Four Cash payments Payments for Restructuring Inventories valued on a LIFO basis LIFO Inventory Amount Credit Facility [Domain] Credit Facility [Domain] Cash, cash equivalents and restricted cash at beginning of period Cash, cash equivalents and restricted cash at end of period Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents Current assets: Assets, Current [Abstract] Goodwill Goodwill Consolidation Items [Axis] Consolidation Items [Axis] Taxes paid for net share settlement of equity awards Payment, Tax Withholding, Share-Based Payment Arrangement Other comprehensive income (loss), net of tax (I): Other Comprehensive Income (Loss), Net of Tax [Abstract] Authorized repurchase amount Share Repurchase Program, Authorized, Amount Inventories Inventory Disclosure [Text Block] Product and Service [Domain] Product and Service [Domain] Entity Information [Line Items] Entity Information [Line Items] Stock Options Share-Based Payment Arrangement, Option [Member] Fair Value Disclosures [Abstract] Fair Value Disclosures [Abstract] Schedule of Antidilutive Securities Excluded from Computation of Earnings Per Share [Table] Antidilutive Security, Excluded EPS Calculation [Table] Comprehensive income Comprehensive Income (Loss), Net of Tax, Attributable to Parent Pension benefits Pension Plan [Member] Receivables Transfers and Servicing of Financial Assets [Text Block] Security Exchange Name Security Exchange Name Properties, plants and equipment excluding construction work in progress Properties Plants And Equipment Excluding Construction Work In Progress Properties plants and equipment excluding construction work in progress. Receivables Purchase Agreement Receivables Purchase Agreement [Member] Receivables Purchase Agreement Earnings per share: Earnings Per Share, Basic [Abstract] Work-in-process Inventory, Work in Process, Net of Reserves Properties, plants, and equipment, net (L) Properties, plants, and equipment, net Property, Plant and Equipment, Net Repayments of debt Repayments of Debt Total liabilities Liabilities Research and development expenses Research and Development Expense Revolving Credit Facility Revolving Credit Facility [Member] Schedule Of Financial Receivables [Table] Schedule Of Financial Receivables [Table] Schedule Of Financial Receivables [Table] Current portion of lease liabilities classified in Other current liabilities Operating Lease, Liability, Current Other comprehensive income (loss): Other Comprehensive Income (Loss) Before Reclassification [Abstract] Other Comprehensive Income (Loss) Before Reclassification [Abstract] Maximum borrowing capacity Line of Credit Facility, Maximum Borrowing Capacity Concentration risk (as a percent) Concentration Risk, Percentage Restructuring and other (credits) charges Total restructuring and other charges Restructuring Costs and Asset Impairment Charges Other discrete items Effective Income Tax Rate Reconciliation, Other Reconciling Items, Amount Less: accumulated depreciation and amortization Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment Other Expense (Income), Net Other Nonoperating Income and Expense [Text Block] Subsequent Event [Line Items] Subsequent Event [Line Items] Property, plant and equipment, gross Property, Plant and Equipment, Gross Debt Instrument [Line Items] Debt Instrument [Line Items] Basis of Presentation Basis of Accounting, Policy [Policy Text Block] Lehman Brothers International (Europe) (â€œLBIEâ€) Claims Lehman Brothers International (Europe) (â€œLBIEâ€) Claims [Member] Lehman Brothers International (Europe) (â€œLBIEâ€) Claims Diluted (in shares) Average shares outstanding - diluted (in shares) Weighted Average Number of Shares Outstanding, Diluted Amounts Attributable to Howmet Aerospace Common Shareholders (H): Income Amounts Attributable to Parent, Disclosures [Abstract] AOCI Attributable to Parent, Net of Tax [Roll Forward] AOCI Attributable to Parent, Net of Tax [Roll Forward] Long-term Debt, Type [Axis] Long-Term Debt, Type [Axis] Total equity Beginning balance Ending balance Equity, Attributable to Parent Fair Value of Financial Instruments Financial Instruments Disclosure [Text Block] Construction work-in-progress Construction in Progress, Gross Operating supplies Inventory, Supplies, Net of Reserves Litigation Case [Axis] Litigation Case [Axis] Net loss related to divestitures of assets and businesses (P) Gain (Loss) On Divestitures Of Assets And Business, Included In Restructuring Charges Gain (Loss) On Divestitures Of Assets And Business, Included In Restructuring Charges Investing Activities Net Cash Provided by (Used in) Investing Activities, Continuing Operations [Abstract] Balance Sheet Location [Axis] Statement of Financial Position Location, Balance [Axis] Interest expense, net Interest expense, net Interest Expense, Nonoperating Properties, Plants, and Equipment, net Property, Plant and Equipment Disclosure [Text Block] Concentration Risk Type [Domain] Concentration Risk Type [Domain] Pension and Other post-retirement benefits - net settlements (E) Pension plan settlement Defined Benefit Plan, Net Periodic Benefit Cost (Credit), Gain (Loss) Due to Settlement Letters of credit, total amount outstanding Letters of Credit Outstanding, Amount Selling, general administrative, and other expenses Selling, General and Administrative Expense Total Other comprehensive income (loss), net of tax Other comprehensive income (loss) (I) Other Comprehensive Income (Loss), Net of Tax, Portion Attributable to Parent Income Tax Contingency [Line Items] Income Tax Contingency [Line Items] Receivables from customers, less allowances of $â€” in both 2024 and 2023 (J) Accounts Receivable, after Allowance for Credit Loss, Current Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Long-term debt Long-Term Debt Document Fiscal Period Focus Document Fiscal Period Focus Balance Sheet Location [Domain] Statement of Financial Position Location, Balance [Domain] Accrued pension benefits (E) Liability, Defined Benefit Pension Plan, Noncurrent Schedule of Activity and Reserve Balances for Restructuring Charges Schedule of Restructuring Reserve by Type of Cost [Table Text Block] Divestiture Mergers, Acquisitions and Dispositions Disclosures [Text Block] Assets Assets [Abstract] Retirement Plan Type [Domain] Retirement Plan Type [Domain] Restricted cash Restricted Cash, Current Document Type Document Type Commercial Paper Commercial Paper [Member] Reversals of previously recorded layoff reserves Reversal of previously recorded layoff reserve Reversal Of Previous Severance Costs Reversal Of Previous Severance Costs Schedule of Operating Results by Reportable Segments Schedule of Segment Reporting Information, by Segment [Table Text Block] Average price per share (in usd per share) Shares Acquired, Average Cost Per Share Other Noncurrent Liabilities and Deferred Credits Other Noncurrent Liabilities And Deferred Credits [Member] Other noncurrent liabilities and deferred credits. Other Income and Expenses [Abstract] Other Income and Expenses [Abstract] Schedule of Defined Benefit Plans Disclosures [Table] Defined Benefit Plan [Table] Subsequent Event [Table] Subsequent Event [Table] Maximum Maximum [Member] Payment timing (in days) Supplier Finance Program, Payment Timing, Period Income tax reserve Tax reserve (Q) Effective Income Tax Rate Reconciliation, Tax Contingency, Amount Antidilutive Securities [Axis] Antidilutive Securities [Axis] Accounts payable, trade (Q) Accounts Payable, Current Accounting Policies [Abstract] Accounting Policies [Abstract] Liabilities Liabilities [Abstract] Aerospace - Commercial Aerospace - Commercial Aerospace - Commercial [Member] Aerospace - Commercial [Member] Current Fiscal Year End Date Current Fiscal Year End Date Lease cost Lease, Cost Statistical Measurement [Axis] Statistical Measurement [Axis] Income before income taxes Income (Loss) from Continuing Operations before Income Taxes, Noncontrolling Interest Tax (expense) benefit Other Comprehensive Income (Loss) before Reclassifications, Tax Total inventories valued on an average-cost basis Inventory, LIFO Reserve Deferred income taxes Deferred Income Tax Assets, Net Contributions and payments Defined Benefit Plan, Benefit Obligation, Contributions And Payments Defined Benefit Plan, Benefit Obligation, Contributions And Payments Income Tax and Interest Income Tax And Interest [Member] Income Tax And Interest Total Other comprehensive income (loss) before reclassifications, net of tax OCI, before Reclassifications, Net of Tax, Attributable to Parent Additional capital Additional Paid-in Capital [Member] Subsequent Event Type [Domain] Subsequent Event Type [Domain] Pension and Other Postretirement Benefits Retirement Benefits [Text Block] Stock and performance awards (in shares) Incremental Common Shares Attributable to Dilutive Effect of Nonvested Shares with Forfeitable Dividends Alcoa Corporation Workers Compensation Claims Alcoa Corporation Workers Compensation Claims [Member] Alcoa corporation workers compensation claims. Short-Term Debt [Line Items] Short-Term Debt [Line Items] Charge (benefit) for other small items Effective Income Tax Rate Reconciliation, Other Adjustments, Amount Recently Adopted and Recently Issued Accounting Guidance New Accounting Pronouncements, Policy [Policy Text Block] Forecast Forecast [Member] Amortization of prior service benefit Defined Benefit Plan, Amortization of Prior Service Cost (Credit) Diluted (in usd per share) Earnings Per Share, Diluted Class of Stock [Axis] Class of Stock [Axis] Surety bonds, amount outstanding Separation And Distribution Agreement, Surety Bonds, Amount Outstanding Separation And Distribution Agreement, Surety Bonds, Amount Outstanding USD Term Loan USD Term Loan [Member] USD Term Loan Effective income tax rate reconciliation, including discrete items (as a percent) Effective Income Tax Rate Reconciliation, Including Discrete Items, Percent Effective Income Tax Rate Reconciliation, Including Discrete Items, Percent Entity Interactive Data Current Entity Interactive Data Current Type of Restructuring [Domain] Type of Restructuring [Domain] Retirement Benefits [Abstract] Retirement Benefits [Abstract] Foreign currency losses (gains), net Gain (Loss), Foreign Currency Transaction, before Tax Customer [Axis] Customer [Axis] Fastening Systems Fastening Systems [Member] Fastening Systems Layoff costs Employee Severance [Member] Statement of Financial Position [Abstract] Statement of Financial Position [Abstract] Restructuring and Other Charges Restructuring and Related Activities Disclosure [Text Block] Increase in receivables (J) Increase (Decrease) in Receivables Income Tax Penalties Income Tax Penalties [Member] Income Tax Penalties Third-party sales Operating Segments And Corporate NonSegment [Member] Operating Segments And Corporate NonSegment Pension and other postretirement benefits Accumulated Defined Benefit Plans Adjustment Attributable to Parent [Member] Provision for income taxes (G) Provision for income taxes Income Tax Expense (Benefit) Interest cost Defined Benefit Plan, Interest Cost Long-term debt, interest rate (as a percent) Debt Instrument, Interest Rate, Stated Percentage Total amount committed under outstanding surety bonds Amount Committed Under Outstanding Surety Bonds Amount Committed Under Outstanding Surety Bonds Discrete tax charge (benefit) Discrete Income Tax Expense (Benefit) Discrete Income Tax Expense (Benefit) Corporate expense Corporate Segment Reporting, Reconciling Item, Corporate Nonsegment [Member] Recurring Costs of Managing Hazardous Substances and Environmental Programs Recurring Costs Of Managing Hazardous Substances And Environmental Programs [Member] Recurring costs of managing hazardous substances and environmental programs. Net income, Diluted Net income available to Howmet Aerospace common shareholders - diluted Net Income (Loss) Available to Common Stockholders, Diluted Sales (C) Sales Revenue from Contract with Customer, Excluding Assessed Tax Income tax assessment, amount of penalties cancelled Income Tax Examination, Liability (Refund) Adjustment from Settlement with Taxing Authority Other expense (income), net (F) Other (expense) income, net Total other expense (income), net Nonoperating Income (Expense) Decrease in noncurrent liabilities Increase (Decrease) in Other Noncurrent Liabilities Statement of Comprehensive Income [Abstract] Statement of Comprehensive Income [Abstract] Concentration Risk Benchmark [Domain] Concentration Risk Benchmark [Domain] Effective income tax rate reconciliation (as a percent) Effective Income Tax Rate Reconciliation, Percent Cash used for investing activities Net Cash Provided by (Used in) Investing Activities Operating income Total Segment Adjusted EBITDA Operating Income (Loss) Income Tax Authority [Axis] Income Tax Jurisdiction [Axis] Number of reportable segments Number of Reportable Segments Total liabilities and equity Liabilities and Equity Subsequent Events Subsequent Events [Text Block] Accrued compensation and retirement costs Employee-related Liabilities, Current Decrease (increase) in prepaid expenses and other current assets Increase (Decrease) in Prepaid Expense and Other Assets Additional capital Additional Paid in Capital Short-Term Debt, Type [Domain] Short-Term Debt, Type [Domain] Guarantees of third party related to project financing Guarantor Obligations, Maximum Exposure, Undiscounted Schedule of Other Expense (Income), Net Schedule of Other Nonoperating Income (Expense) [Table Text Block] Restructuring and other charges (D) Restructuring and other (credits) charges Restructuring Charges Accumulated Other Comprehensive Income (Loss) [Line Items] Accumulated Other Comprehensive Income (Loss) [Line Items] Commitments and Contingencies Disclosure [Abstract] Commitments and Contingencies Disclosure [Abstract] Schedule of Reconciliation of Capital Expenditures from Segments to Consolidated Cash Flows Reconciliation of Capital Expenditures From Segments To Consolidated [Table Text Block] Reconciliation of Capital Expenditures From Segments To Consolidated Expected return on plan assets Defined Benefit Plan, Expected Return (Loss) on Plan Assets Scenario [Domain] Scenario [Domain] Accumulated other comprehensive loss Accumulated other comprehensive loss AOCI Attributable to Parent [Member] Cash flow hedges Accumulated Gain (Loss), Net, Cash Flow Hedge, Parent [Member] Inventories (K) Total inventories Inventory, Net Long-term Debt, Type [Domain] Long-Term Debt, Type [Domain] Product and Service [Axis] Product and Service [Axis] Entity Address, State or Province Entity Address, State or Province Property, Plant and Equipment [Line Items] Property, Plant and Equipment [Line Items] Statement [Line Items] Statement [Line Items] Arconic Corporation Environmental Obligations Arconic Corporation Environmental Obligations [Member] Arconic Corporation Environmental Obligations Segment Adjusted EBITDA Segment Adjusted EBITDA Segment Adjusted EBITDA USD Term Loan Facility, due 2026 USD Term Loan Facility Due 2026 [Member] USD Term Loan Facility Due 2026 Schedule of Segment Reporting Information to Consolidated Income Before Income Taxes Reconciliation of Operating Profit (Loss) from Segments to Consolidated [Table Text Block] Defined Benefit Plan Disclosure [Line Items] Defined Benefit Plan Disclosure [Line Items] Schedule of Properties, Plants, and Equipment, Net Property, Plant and Equipment [Table Text Block] Ministry of the Economy, Finance and Industry, France Ministry of the Economy, Finance and Industry, France [Member] General Electric Company General Electric Company [Member] General Electric Company Income tax assessment, estimate of possible loss Income Tax Examination, Estimate of Possible Loss Schedule of Components of Net Periodic Cost (Benefit) Schedule of Net Benefit Costs [Table Text Block] Fixed interest rate (as a percent) Derivative, Fixed Interest Rate Fair value Estimate of Fair Value Measurement [Member] Restructuring and other charges Restructuring And Other Charges Restructuring And Other Charges UK UNITED KINGDOM Property, Plant and Equipment [Table] Property, Plant and Equipment [Table] Right-of-use assets classified in Other noncurrent assets Operating Lease, Right-of-Use Asset Concentration Risk [Table] Concentration Risk [Table] Accounts receivable securitization following a provision to increase the limit Accounts Receivable From Securitization, Face Amount After Provision To Increase Limit Accounts Receivable From Securitization, Face Amount After Provision To Increase Limit Short-Term Debt, Type [Axis] Short-Term Debt, Type [Axis] Segments [Axis] Segments [Axis] Tax Period [Axis] Tax Period [Axis] Separation Agreement Separation Agreement [Member] Separation agreement. Property, Plant and Equipment [Abstract] Property, Plant and Equipment [Abstract] Amount outstanding Long-Term Debt, Gross Net periodic pension cost (E) Defined Benefit Pension Plans Net Periodic Benefit Cost The total amount of net periodic benefit cost for defined benefit pension plans for the period excluding settlements, curtailments, and special termination benefits related to restructuring actions. Periodic benefit costs include the following components: service cost, interest cost, expected return on plan assets, gain (loss), prior service cost or credit, transition asset or obligation, and gain (loss) due to settlements or curtailments. Payments related to remediation expenses applied against the reserve (less than in second quarter) Accrual for Environmental Loss Contingencies, Payments Number of entities Loss Contingency, Number Of Entities Loss Contingency, Number Of Entities Earnings Per Share and Common Stock Earnings Per Share [Text Block] OtherÂ exit costs Other Restructuring And Disposal Of Business [Member] Other Restructuring And Disposal Of Business Subsequent Event Subsequent Event [Member] Schedule Of Financial Receivables [Line Items] Schedule Of Financial Receivables [Line Items] Schedule Of Financial Receivables [Line Items] Preferred stock-Class A Dividends, Preferred Stock Howmet Aerospace shareholdersâ€™ equity: Equity, Attributable to Parent [Abstract] Net realized and unrealized losses Gain (Loss) on Investments Accounts receivable outstanding Accounts

Receivable, Sale, Amount Outstanding Accounts Receivable, Sale, Amount Outstanding Segments [Domain] Segments [Domain] Accrued other postretirement benefits (E) Liability, Other Postretirement Defined Benefit Plan, Noncurrent Debt term Debt Instrument, Term Increase (decrease) in accounts payable, trade Increase (Decrease) in Accounts Payable, Trade Schedule of Supplemental Balance Sheet Information Related to Leases Assets And Liabilities, Lessee [Table Text Block] Assets And Liabilities, Lessee [Table Text Block] Basis of Presentation Basis of Presentation and Significant Accounting Policies [Text Block] Borrowings Proceeds from Lines of Credit Segment provision for depreciation and amortization Other Depreciation and Amortization France FRANCE Structures Building [Member] Income Tax Disclosure [Abstract] Income Tax Disclosure [Abstract] Entities [Table] Entities [Table] Other, net Other Nonoperating Income (Expense) Deferred compensation Deferred Compensation Arrangement with Individual, Compensation Expense Other postretirement benefits Other Postretirement Benefits Plan [Member] Statement of Stockholders' Equity [Abstract] Statement of Stockholders' Equity [Abstract] Intangibles, net Intangible Assets, Net (Excluding Goodwill) Receivables [Abstract] Receivables [Abstract] Preferred (in usd per share) Preferred Stock, Dividends Per Share, Declared Long-Lived Tangible Asset [Axis] Long-Lived Tangible Asset [Axis] (Increase) decrease in noncurrent assets Increase (Decrease) in Other Noncurrent Assets Accrued interest Interest Payable Other Restructuring Reserve, Settled without Cash Number of interest rate swap transactions Loss Contingency, Number Of Interest Rate Swap Transactions Loss Contingency, Number Of Interest Rate Swap Transactions Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] Proceeds from the sale of assets and businesses (D and P) Proceeds from Sales of Business, Affiliate and Productive Assets Interest income Investment Income, Nonoperating Dividends paid to shareholders Payments of Ordinary Dividends Disposal Groups, Including Discontinued Operations [Table] Disposal Groups, Including Discontinued Operations [Table] 5.900% Notes, due 2027 Five Point Nine Percent Notes Due Two Thousand Twenty Seven [Member] Five point nine percent notes due two thousand twenty seven. Restructuring Cost and Reserve [Line Items] Restructuring Cost and Reserve [Line Items] Local Phone Number Local Phone Number Guarantees of third party related to project financing Guarantor Obligations, Current Carrying Value Non-service costs - pension and other postretirement benefits (E) Net Periodic Benefit Cost, Non-service Net Periodic Benefit Cost, Non-service Termination notice period (in days) Supplier Finance Program, Agreement Termination Notice, Period Supplier Finance Program, Agreement Termination Notice, Period Number of shares (in shares) Stock Repurchased During Period, Shares Remediation reserve balance, classified as a current liability Accrued Environmental Loss Contingencies, Current Changes in assets and liabilities, excluding effects of acquisitions, divestitures, and foreign currency translation adjustments: Increase (Decrease) in Operating Capital [Abstract] Long-Lived Tangible Asset [Domain] Long-Lived Tangible Asset [Domain] Accrued interest payable Interest Payable, Current Contingencies, Commitments and Other Liabilities Commitments and Contingencies Disclosure [Text Block] Gain (loss) on sale of assets Gain (Loss) on Disposition of Other Assets Debt Disclosure [Abstract] Debt Disclosure [Abstract] Common stock Common Stock [Member] Common stock issued: compensation plans Shares Issued, Value, Share-Based Payment Arrangement, after Forfeiture Coverage limit Insurance Annual Coverage Limit Insurance Annual Coverage Limit Line of Credit Line of Credit [Member] Revenue, Major Customer [Line Items] Revenue, Major Customer [Line Items] Entity Emerging Growth Company Entity Emerging Growth Company Operating Lease, Right-of-Use Asset, Statement of Financial Position [Extensible List] Operating Lease, Right-of-Use Asset, Statement of Financial Position [Extensible Enumeration] Segment Reporting [Abstract] Segment Reporting [Abstract] Entity Central Index Key Entity Central Index Key Scenario [Axis] Scenario [Axis] Schedule of Inventories Components Schedule of Inventory, Current [Table Text Block] Foreign currency translation Accumulated Foreign Currency Adjustment Attributable to Parent [Member] Other Other Restructuring Costs Discontinued Operations and Disposal Groups [Abstract] Discontinued Operations and Disposal Groups [Abstract] Equity Component [Domain] Equity Component [Domain] Segment Information Segment Reporting Disclosure [Text Block] Long-term debt due within one year (N) Less: amount due within one year Long-Term Debt, Current Maturities Recently Adopted and Recently Issued Accounting Guidance Accounting Standards Update and Change in Accounting Principle [Text Block] Stock-based compensation APIC, Share-Based Payment Arrangement, Increase for Cost Recognition Entity Shell Company Entity Shell Company Measurement Basis [Axis] Measurement Basis [Axis] Entity Incorporation, State or Country Code Entity Incorporation, State or Country Code Repurchased face amount Debt Instrument, Repurchased Face Amount Statement [Table] Statement [Table] Interest expense Interest Expense, Debt 4.750% Iowa Finance Authority Loan, due 2042 Four Point Seven Five Percent, Iowa Finance Authority Loan Due Two Thousand Forty Two [Member] Iowa Authority Loan [Member] Consolidation Items [Domain] Consolidation Items [Domain] City Area Code City Area Code Current liabilities: Liabilities, Current [Abstract] Concentration Risk Benchmark [Axis] Concentration Risk Benchmark [Axis] Net realized and unrealized losses Gain (Loss) on Disposition of Assets Total current assets Assets, Current Statement of Cash Flows [Abstract] Statement of Cash Flows [Abstract] Accounts receivables sold Accounts Receivable, Sale Preferred stock Preferred Stock [Member] Increase in taxes, including income taxes Increase (Decrease) in Accrued Taxes Payable Decrease in accrued expenses Increase (Decrease) in Accrued Liabilities Tax Period [Domain] Tax Period [Domain] RepurchasesÂ ofÂ commonÂ stock Payments for Repurchase of Common Stock Schedule of Long-term Debt Instruments [Table] Schedule of Long-Term Debt Instruments [Table] Long-term debt (N)(O) Total long-term debt Long-Term Debt, Excluding Current Maturities Accounts receivable securitization amount drawn Accounts Receivable From Securitization, Amount Drawn Accounts Receivable From Securitization, Amount Drawn Schedule of Segment Reporting Information, by Segment [Table] Schedule of Segment Reporting Information, by Segment [Table] Accumulated Other Comprehensive Income (Loss) [Table] Accumulated Other Comprehensive Income (Loss) [Table] Restructuring Reserve [Roll Forward] Restructuring Reserve [Roll Forward] Subsequent Event Type [Axis] Subsequent Event Type [Axis] Income Taxes Income Tax Disclosure [Text Block] Repurchase and retirement of common stock (H) Stock Repurchased and Retired During Period, Value Earnings Per Share [Abstract] Earnings Per Share [Abstract] Equity [Abstract] Equity [Abstract] JPY Term Loan JPY Term Loan [Member] JPY Term Loan Purchased raw materials Inventory, Raw Materials, Net of Reserves Retained earnings Retained Earnings (Accumulated Deficit) Change in dividends declared per share (as a percent) Increase (Decrease) In Common Stock, Dividends, Per Share, Declared, Percent Increase (Decrease) In Common Stock, Dividends, Per Share, Declared, Percent Class of Stock [Domain] Class of Stock [Domain] Increase in inventories Increase (Decrease) in Inventories Additional Interest on Income Tax Additional Interest On Income Tax [Member] Additional Interest On Income Tax Schedule of Long-Term Debt Schedule of Debt [Table Text Block] Deferred income taxes Deferred Income Taxes and Tax Credits Judgement from legal proceedings Litigation Settlement, Amount Awarded to Other Party Organization, Consolidation and Presentation of Financial Statements [Abstract] Organization, Consolidation and Presentation of Financial Statements [Abstract] Total lease liabilities Operating Lease, Liability Cash used for financing activities Net Cash Provided by (Used in) Financing Activities Premiums paid on early redemption of debt (N) Payment for early redemption of debt Payment for Debt Extinguishment or Debt Prepayment Cost 5.125% Notes, due 2024 Five Point One Two Five Percent Notes Due Two Thousand Twenty Four [Member] Five Point One Two Five Percent Notes Due Two Thousand Twenty Four [Member] Credit Facility [Axis] Credit Facility [Axis] Legal fees Legal Fees Accelerated depreciation Restructuring and Related Cost, Accelerated Depreciation Amendment Flag Amendment Flag Loss Contingency Nature [Axis] Loss Contingency Nature [Axis] Long-term debt Long-Term Debt, Fair Value Carrying value Reported Value Measurement [Member] Commercial paper Commercial Paper Entity Registrant Name Entity Registrant Name Early termination premium Extinguishment Of Debt, Early Termination Premium Extinguishment Of Debt, Early Termination Premium Operating activities Net Cash Provided by (Used in) Operating Activities, Continuing Operations [Abstract] Depreciation and amortization Depreciation, Depletion and Amortization Accounts receivable securitization Accounts Receivable from Securitization, Face Amount Accounts Receivable from Securitization, Face Amount Foreign currency translation adjustments Other Comprehensive Income (Loss), Foreign Currency Transaction and Translation Adjustment, Net of Tax, Portion Attributable to Parent Machinery and equipment Machinery and Equipment [Member] Customer Concentration Risk Customer Concentration Risk [Member] Subsequent Events [Abstract] Subsequent Events [Abstract] Debt Debt Disclosure [Text Block] Equity Equity, Including Portion Attributable to Noncontrolling Interest [Abstract] Geographical [Domain] Geographical [Domain] Aggregate principal amount Debt Instrument, Face Amount Schedule of Disaggregation of Revenue by Major End Market Served Disaggregation of Revenue [Table Text Block] Entity Address, Postal Zip Code Entity Address, Postal Zip Code Collaborative Arrangement and Arrangement Other than Collaborative [Axis] Collaborative Arrangement and Arrangement Other than Collaborative [Axis] Schedule of Restructuring and Related Costs [Table] Restructuring Cost [Table] Collaborative Arrangement and Arrangement Other than Collaborative [Domain] Collaborative Arrangement and Arrangement Other than Collaborative [Domain] Title of 12(b) Security Title of 12(b) Security Aerospace - Defense Aerospace - Defense [Member] Aerospace - Defense Concentration Risk Type [Axis] Concentration Risk Type [Axis] Common stock Common Stock, Value, Issued 5.950% Notes, due 2037 Five Point Nine Five Percent Notes Due Two Thousand Thirty Seven [Member] Five point nine five percent notes due two thousand thirty seven. Income Tax Authority, Name [Domain] Income Tax Authority, Name [Domain] Cash dividends declared: Dividends, Cash [Abstract] Cash and cash equivalents Cash and Cash Equivalents, at Carrying Value Tax Years 2010 Through 2012 Tax Years 2010 Through 2012 [Member] Tax Years 2010 Through 2012 Tax benefit (expense) Reclassification from AOCI, Current Period, Tax Loss on debt redemption (N) Loss on debt redemption (N) Loss on debt redemption Gain (Loss) on Extinguishment of Debt Concentration Risk [Line Items] Concentration Risk [Line Items] Preferred stock Preferred Stock, Value, Issued Aerospace Aerospace [Member] Aerospace Operating Lease, Liability, Current, Statement of Financial Position [Extensible List] Operating Lease, Liability, Current, Statement of Financial Position [Extensible Enumeration] Provision for depreciation and amortization Provision for depreciation and amortization Depreciation, Depletion and Amortization, Nonproduction Fair Value Measurement [Domain] Fair Value Measurement [Domain] Basic (in usd per share) Earnings Per Share, Basic Schedule of Short-Term Debt [Table] Short-Term Debt [Table] Excess tax benefit for stock compensation Effective Income Tax Rate Reconciliation, Tax Expense (Benefit), Share-Based Payment Arrangement, Amount Capital expenditures incurred but not yet paid Capital Expenditures Incurred but Not yet Paid Net income, Basic Net income available to Howmet Aerospace common shareholders - basic Net Income (Loss) Available to Common Stockholders, Basic Total current liabilities Liabilities, Current Total assets Assets Amounts outstanding Long-Term Line of Credit Percentage of cost of goods sold (as a percent) Percentage Of Cost Of Goods Sold Percentage of cost of goods sold. Capital expenditures (C) Payments to Acquire Property, Plant, and Equipment Cost of goods sold (exclusive of expenses below) Cost of Goods and Service, Excluding Depreciation, Depletion, and Amortization Contingencies and commitments (Q) Commitments and Contingencies Number of cleanup locations Number Of Cleanup Locations Number of cleanup locations. Entity Address, City or Town Entity Address, City or Town Commercial Transportation Commercial Transportation [Member] Commercial Transportation [Member] Debt Instrument [Axis] Debt Instrument [Axis] Less: preferred stock dividends declared Preferred Stock Dividends and Other Adjustments Net income Net income Net income Net income Net Income (Loss) Attributable to Parent Schedule of Carrying Values and Fair Values of Financial Instruments Fair Value, by Balance Sheet Grouping [Table Text Block] Accumulated Other Comprehensive Loss Comprehensive Income (Loss) Note [Text Block] Loss Contingencies [Table] Loss Contingencies [Table] Engine Products Engine Products Segment [Member] Engine Products Segment Foreign Tax Authority Foreign Tax Jurisdiction [Member] Entity File Number Entity File Number Document Fiscal Year Focus Document Fiscal Year Focus Income Statement [Abstract] Income Statement [Abstract] Entity Address, Address Line One Entity Address, Address Line One Unrecognized net actuarial (loss) gain and prior service cost/benefit and net change from periodic revaluations OCI, before Reclassifications, before Tax, Attributable to Parent Early redemption of debt Extinguishment of Debt, Amount Average Shares Outstanding (H): Weighted Average Number of Shares Outstanding Reconciliation [Abstract] Debt Instrument, Name [Domain] Debt Instrument, Name [Domain] Effect of exchange rate changes on cash, cash equivalents and restricted cash Effect of Exchange Rate on Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Continuing Operations Layoff costs Severance Costs Common Dividends, Common Stock Document Period End Date Document Period End Date Loss Contingency, Nature [Domain] Loss Contingency, Nature [Domain] Loss contingency, provision Loss Contingency Accrual, Provision Finished goods Inventory, Finished Goods, Net of Reserves Other Other Noncash Income (Expense) Redemption price, amount Debt Instrument, Redemption Price, Amount Debt Instrument, Redemption Price, Amount Interim period treatment of operational losses in foreign jurisdictions for which no tax benefit is recognized Effective Income Tax Rate Reconciliation, Tax Contingency, Foreign, Amount Other, net Other Long Term Debt, Including Unamortized Debt Discounts And Issuance Costs Other Long Term Debt, Including Unamortized Debt Discounts And Issuance Costs Certain Customers Certain Customers [Member] Certain Customers Preferred Class A Preferred Class A [Member] Restructuring and other charges Segment Reporting, Reconciling Item, Excluding Corporate Nonsegment [Member] Inventory Disclosure [Abstract] Inventory Disclosure [Abstract] Effect of dilutive securities: Dilutive Securities, Effect on Basic Earnings Per Share [Abstract] Prepaid expenses and other current assets Prepaid Expense and Other Assets, Current Document Transition Report Document Transition Report Schedule of Revenue by Major Customers, by Reporting Segments [Table] Schedule of Revenue by Major Customers, by Reporting Segments [Table] Document Quarterly Report Document Quarterly Report JPY Term Loan Facility, due 2026 JPY Term Loan Facility, Due 2026 [Member] JPY Term Loan Facility, Due 2026 Litigation Case [Domain] Litigation Case [Domain] Change in unrecognized net actuarial loss and prior service cost related to pension and other postretirement benefits Other Comprehensive (Income) Loss, Defined Benefit Plan, after Tax and Reclassification Adjustment, Attributable to Parent Customer [Domain] Customer [Domain] Accumulated other comprehensive loss (I) Accumulated Other Comprehensive Income (Loss), Net of Tax Entity Current Reporting Status Entity Current Reporting Status Retained earnings Retained Earnings [Member] Income Tax Authority, Name [Axis] Income Tax Authority, Name [Axis] Basic (in shares) Average shares outstanding - basic (in shares) Weighted Average Number of Shares Outstanding, Basic Increase (Decrease) in Stockholders' Equity [Roll Forward] Increase (Decrease) in Stockholders' Equity [Roll Forward] Revenue Benchmark Revenue Benchmark [Member] Schedule of Income Tax Provisions Schedule of Components of Income Tax Expense (Benefit) [Table Text Block] Entity Filer Category Entity Filer Category Total amount reclassified from Accumulated other comprehensive (loss) income, net of tax Reclassification from AOCI, Current Period, Net of Tax, Attributable to Parent Restructuring reserve, beginning balance Restructuring reserve, ending balance Restructuring Reserve Letter of Credit Letter of Credit [Member] 6.875% Notes, due 2025 Six Point Eight Seven Five Percent Notes Due Two Thousand Twenty Five [Member] Six Point Eight Seven Five Percent Notes Due Two Thousand Twenty Five Loss Contingencies [Line Items] Loss Contingencies [Line Items] Net change in unrecognized gains (losses) on cash flow hedges Other Comprehensive Income (Loss), Cash Flow Hedge, Gain (Loss), after Reclassification and Tax, Parent EX-101.PRE 9 hwm-20240630_pre.xml XBRL TAXONOMY EXTENSION PRESENTATION LINKBASE DOCUMENT XML 11 R1.htm IDEA: XBRL DOCUMENT v3.24.2 Cover - shares 6 Months Ended Jun. 30, 2024 Jul. 26, 2024 Entity Information [Line Items] Â Â Document Type 10-Q Â Document Quarterly Report true Â Document Period End Date Jun. 30, 2024 Â Document Transition Report false Â Entity File Number 1-3610 Â Entity Registrant Name HOWMET AEROSPACE INC. Â Entity Incorporation, State or Country Code DE Â Entity Tax Identification Number 25-0317820 Â Entity Address, Address Line One 201 Isabella Street, Suite 200 Â Entity Address, City or Town Pittsburgh Â Entity Address, State or Province PA Â Entity Address, Postal Zip Code 15212-5872 Â City Area Code 412 Â Local Phone Number 553-1940 Â Entity Current Reporting Status Yes Â Entity Interactive Data Current Yes Â Entity Filer Category Large Accelerated Filer Â Entity Small Business false Â Entity Emerging Growth Company false Â Entity Shell Company false Â Entity Common Stock, Shares Outstanding Â 408,146,607 Amendment Flag false Â Document Fiscal Year Focus 2024 Â Document Fiscal Period Focus Q2 Â Entity Central Index Key 0000004281 Â Current Fiscal Year End Date --12-31 Â Common stock Â Â Entity Information [Line Items] Â Â Title of 12(b) Security Common Stock, par value $1.00 per share Â Trading Symbol HWM Â Security Exchange Name NYSE Â Preferred stock Â Â Entity Information [Line Items] Â Â Title of 12(b) Security $3.75 Cumulative Preferred Stock, par value $100.00 per share Â Trading Symbol HWM PR Â Security Exchange Name NYSEAMER Â X - DefinitionBoolean flag that is true when the XBRL content amends previously-filed or accepted submission. + ReferencesNo definition available. + Details Name: dei_AmendmentFlag Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionArea code of city + ReferencesNo definition available. + Details Name: dei_CityAreaCode Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionEnd date of current fiscal year in the format --MM-DD. + ReferencesNo definition available. + Details Name: dei_CurrentFiscalYearEndDate Namespace Prefix: dei_ Data Type: xbrli:gMonthDayItemType Balance Type: na Period Type: duration X - DefinitionFiscal period values are FY, Q1, Q2, and Q3. 1st, 2nd and 3rd quarter 10-Q or 10-QT statements have value Q1, Q2, and Q3 respectively, with 10-K, 10-KT or other fiscal year statements having FY. + ReferencesNo definition available. + Details Name: dei_DocumentFiscalPeriodFocus Namespace Prefix: dei_ Data Type: dei:fiscalPeriodItemType Balance Type: na Period Type: duration X - DefinitionThis is focus fiscal year of the document report in YYYY format. For a 2006 annual report, which may also provide financial information from prior periods, fiscal 2006 should be given as the fiscal year focus. Example: 2006. + ReferencesNo definition available. + Details Name: dei_DocumentFiscalYearFocus Namespace Prefix: dei_ Data Type: xbrli:gYearItemType Balance Type: na Period Type: duration X - DefinitionFor the EDGAR submission types of Form 8-K: the date of the report, the date of the earliest event reported; for the EDGAR submission types of Form N-1A: the filing date; for all other submission types: the end of the reporting or transition period. The format of the date is YYYY-MM-DD. + ReferencesNo definition available. + Details Name: dei_DocumentPeriodEndDate Namespace Prefix: dei_ Data Type: xbrli:dateItemType

Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true only for a form used as an quarterly report. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 10-Q -Number 240 -Section 308 -Subsection a + Details Name: dei_DocumentQuarterlyReport Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true only for a form used as a transition report. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Forms 10-K, 10-Q, 20-F -Number 240 -Section 13 -Subsection a-1 + Details Name: dei_DocumentTransitionReport Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionThe type of document being provided (such as 10-K, 10-Q, 485BPOS, etc). The document type is limited to the same value as the supporting SEC submission type, or the word 'Other'. + ReferencesNo definition available. + Details Name: dei_DocumentType Namespace Prefix: dei_ Data Type: dei:submissionTypeItemType Balance Type: na Period Type: duration X - DefinitionAddress Line 1 such as Attn, Building Name, Street Name + ReferencesNo definition available. + Details Name: dei_EntityAddressAddressLine1 Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionName of the City or Town + ReferencesNo definition available. + Details Name: dei_EntityAddressCityOrTown Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionCode for the postal or zip code + ReferencesNo definition available. + Details Name: dei_EntityAddressPostalZipCode Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionName of the state or province. + ReferencesNo definition available. + Details Name: dei_EntityAddressStateOrProvince Namespace Prefix: dei_ Data Type: dei:stateOrProvinceItemType Balance Type: na Period Type: duration X - DefinitionA unique 10-digit SEC-issued value to identify entities that have filed disclosures with the SEC. It is commonly abbreviated as CIK. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityCentralIndexKey Namespace Prefix: dei_ Data Type: dei:centralIndexKeyItemType Balance Type: na Period Type: duration X - DefinitionIndicate number of shares or other units outstanding of each of registrant's classes of capital or common stock or other ownership interests, if and as stated on cover of related periodic report. Where multiple classes or units exist define each class/interest by adding class of stock items such as Common Class A [Member], Common Class B [Member] or Partnership Interest [Member] onto the Instrument [Domain] of the Entity Listings, Instrument. + ReferencesNo definition available. + Details Name: dei_EntityCommonStockSharesOutstanding Namespace Prefix: dei_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionIndicate 'Yes' or 'No' whether registrants (1) have filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that registrants were required to file such reports), and (2) have been subject to such filing requirements for the past 90 days. This information should be based on the registrant's current or most recent filing containing the related disclosure. + ReferencesNo definition available. + Details Name: dei_EntityCurrentReportingStatus Namespace Prefix: dei_ Data Type: dei:yesNoItemType Balance Type: na Period Type: duration X - DefinitionIndicate if registrant meets the emerging growth company criteria. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityEmergingGrowthCompany Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionCommission file number. The field allows up to 17 characters. The prefix may contain 1-3 digits, the sequence number may contain 1-8 digits, the optional suffix may contain 1-4 characters, and the fields are separated with a hyphen. + ReferencesNo definition available. + Details Name: dei_EntityFileNumber Namespace Prefix: dei_ Data Type: dei:fileNumberItemType Balance Type: na Period Type: duration X - DefinitionIndicate whether the registrant is one of the following: Large Accelerated Filer, Accelerated Filer, Non-accelerated Filer. Definitions of these categories are stated in Rule 12b-2 of the Exchange Act. This information should be based on the registrant's current or most recent filing containing the related disclosure. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityFilerCategory Namespace Prefix: dei_ Data Type: dei:filerCategoryItemType Balance Type: na Period Type: duration X - DefinitionTwo-character EDGAR code representing the state or country of incorporation. + ReferencesNo definition available. + Details Name: dei_EntityIncorporationStateCountryCode Namespace Prefix: dei_ Data Type: dei:edgarStateCountryItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: dei_EntityInformationLineItems Namespace Prefix: dei_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true when the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-T -Number 232 -Section 405 + Details Name: dei_EntityInteractiveDataCurrent Namespace Prefix: dei_ Data Type: dei:yesNoItemType Balance Type: na Period Type: duration X - DefinitionThe exact name of the entity filing the report as specified in its charter, which is required by forms filed with the SEC. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityRegistrantName Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true when the registrant is a shell company as defined in Rule 12b-2 of the Exchange Act. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityShellCompany Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionIndicates that the company is a Smaller Reporting Company (SRC). + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntitySmallBusiness Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionThe Tax Identification Number (TIN), also known as an Employer Identification Number (EIN), is a unique 9-digit value assigned by the IRS. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityTaxIdentificationNumber Namespace Prefix: dei_ Data Type: dei:employerIdItemType Balance Type: na Period Type: duration X - DefinitionLocal phone number for entity. + ReferencesNo definition available. + Details Name: dei_LocalPhoneNumber Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionTitle of a 12(b) registered security. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b + Details Name: dei_Security12bTitle Namespace Prefix: dei_ Data Type: dei:securityTitleItemType Balance Type: na Period Type: duration X - DefinitionName of the Exchange on which a security is registered. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection d1-1 + Details Name: dei_SecurityExchangeName Namespace Prefix: dei_ Data Type: dei:edgarExchangeCodeItemType Balance Type: na Period Type: duration X - DefinitionTrading symbol of an instrument as listed on an exchange. + ReferencesNo definition available. + Details Name: dei_TradingSymbol Namespace Prefix: dei_ Data Type: dei:tradingSymbolItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_StatementClassOfStockAxis=us-gaap_CommonStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementClassOfStockAxis=us-gaap_PreferredStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 12 R2.htm IDEA: XBRL DOCUMENT v3.24.2 Statement of Consolidated Operations (unaudited) - USD ($) shares in Millions, $ in Millions 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Income Statement [Abstract] Â Â Â Â Sales (C) $ 1,880 $ 1,648 $ 3,704 $ 3,251 Cost of goods sold (exclusive of expenses below) 1,287 1,196 2,577 2,360 Selling, general administrative, and other expenses 97 88 185 163 Research and development expenses 7 9 17 18 Provision for depreciation and amortization 69 67 136 136 Restructuring and other charges (D) 22 3 22 4 Operating income 398 285 767 570 Loss on debt redemption (N) 0 0 0 1 Interest expense, net 49 55 98 112 Other expense (income), net (F) 15 (13) 32 (6) Income before income taxes 334 243 637 463 Provision for income taxes (G) 68 50 128 122 Net income 266 193 509 341 Amounts Attributable to Howmet Aerospace Common Shareholders (H): Â Â Â Â Net income, Basic 266 193 508 340 Net income, Diluted $ 266 $ 193 $ 508 $ 340 Earnings per share: Â Â Â Â Basic (in usd per share) $ 0.65 $ 0.47 $ 1.24 $ 0.82 Diluted (in usd per share) $ 0.65 $ 0.46 $ 1.23 $ 0.81 Average Shares Outstanding (H): Â Â Â Â Basic (in shares) 408 413 409 413 Diluted (in shares) 411 417 411 417 X - DefinitionCost of product sold and service rendered, excluding depreciation, depletion, and amortization. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(2)(a)) -SubTopic 10 -Topic 220 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(2)(d)) -SubTopic 10 -Topic 220 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_CostOfGoodsAndServiceExcludingDepreciationDepletionAndAmortization Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe current period expense charged against earnings on long-lived, physical assets not used in production, and which are not intended for resale, to allocate or recognize the cost of such assets over their useful lives; or to record the reduction in book value of an intangible asset over the benefit period of such asset; or to reflect consumption during the period of an asset that is not used in production. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 360 -SubTopic 10 -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1 + Details Name: us-gaap_DepreciationAndAmortization Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe amount of net income (loss) for the period per each share of common stock or unit outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-52Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-15Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7 + Details Name: us-gaap_EarningsPerShareBasic Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_EarningsPerShareBasicAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe amount of net income (loss) for the period available to each share of common stock or common unit outstanding during the reporting period and to each share or unit that would have been outstanding assuming the issuance of common shares or units for all dilutive potential common shares or units outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-52Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-15Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 15:

http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7 + Details Name: us-gaap_EarningsPerShareDiluted Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionDifference between the fair value of payments made and the carrying amount of debt which is extinguished prior to maturity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 470 -SubTopic 50 -Section 40 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481303/470-50-40-2Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 470 -SubTopic 50 -Section 40 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481303/470-50-40-4 + Details Name: us-gaap_GainsLossesOnExtinguishmentOfDebt Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_IncomeAmountsAttributableToReportingEntityDisclosuresAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of income (loss) from continuing operations, including income (loss) from equity method investments, before deduction of income tax expense (benefit), and income (loss) attributable to noncontrolling interest. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 6: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 7: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(11)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 9: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 31 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-31Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 235 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-05(b)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477314/942-235-S99-1Reference 11: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(10)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 12: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(15)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_IncomeStatementAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 6.I.7) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479360/740-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-10Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Subparagraph (a) -SubTopic 20 -Topic 740 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482659/740-20-45-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(h)) -SubTopic 10 -Topic 235 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1 + Details Name: us-gaap_IncomeTaxExpenseBenefit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of interest expense classified as nonoperating. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_InterestExpenseNonoperating Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-6Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 17: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-10Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B 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https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount, after deduction of tax, noncontrolling interests, dividends on preferred stock and participating securities; of income (loss) available to common shareholders. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification 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Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60B + Details Name: us-gaap_NetIncomeLossAvailableToCommonStockholdersBasic Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount, after deduction of tax, noncontrolling interests, dividends on preferred stock and participating securities, and addition from assumption of issuance of common shares for dilutive potential common shares; of income (loss) available to common shareholders. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 5 -Subparagraph (SAB Topic 6.B) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-5Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 16 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-16Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 40 -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-40Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 40 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-40Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 40 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-40Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 40 -Subparagraph (b)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-40 + Details Name: us-gaap_NetIncomeLossAvailableToCommonStockholdersDiluted Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe aggregate amount of income or expense from ancillary business-related activities (that is to say, excluding major activities considered part of the normal operations of the business). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_NonoperatingIncomeExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe net result for the period of deducting operating expenses from operating revenues. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 31 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-31 + Details Name: us-gaap_OperatingIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of expense for research and development. Includes, but is not limited to, cost for computer software product to be sold, leased, or otherwise marketed and writeoff of research and development assets acquired in transaction other than business combination or joint venture formation or both. Excludes write-down of intangible asset acquired in business combination or from joint venture formation or both, used in research and development activity. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 730 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482916/730-10-50-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 912 -SubTopic 730 -Name Accounting Standards Codification -Section 25 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479532/912-730-25-1 + Details Name: us-gaap_ResearchAndDevelopmentExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of expenses associated with exit or disposal activities pursuant to an authorized plan. Excludes expenses related to a discontinued operation or an asset retirement obligation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.P.4.b.1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482047/420-10-45-3Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 5.P.3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-1 + Details Name: us-gaap_RestructuringCharges Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount, 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. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 41 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-41Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 4: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 924 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 11.L) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479941/924-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-5Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-40Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-4 + Details Name: us-gaap_RevenueFromContractWithCustomerExcludingAssessedTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe aggregate total costs related to selling a firm's product and services, as well as all other general and administrative expenses. Direct selling expenses (for example, credit, warranty, and advertising) are expenses that can be directly linked to the sale of specific products. Indirect selling expenses are expenses that cannot be directly linked to the sale of specific products, for example telephone expenses, Internet, and postal charges. General and administrative expenses include salaries of non-sales personnel, rent, utilities, communication, etc. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_SellingGeneralAndAdministrativeExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe average number of shares or units issued and outstanding that are used in calculating diluted EPS or earnings per unit (EPU), determined based on the timing of issuance of shares or units in the period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 16 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-16 + Details Name: us-gaap_WeightedAverageNumberOfDilutedSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber of [basic] shares or units, after adjustment for contingently issuable shares or units and other shares or units not deemed outstanding, determined by relating the portion of time within a reporting period that common shares or units have been outstanding to the total time in that period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10 + Details Name: us-gaap_WeightedAverageNumberOfSharesOutstandingBasic Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_WeightedAverageNumberOfSharesOutstandingDilutedDisclosureItemsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 13 R3.htm IDEA: XBRL DOCUMENT v3.24.2 Statement of Consolidated Comprehensive Income (unaudited) - USD ($) $ in Millions 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Statement of Comprehensive Income [Abstract] Â Â Â Â Net income $ 266 $ 193 $ 509 $ 341 Other comprehensive income (loss), net of tax (I): Â Â Â Â Change in unrecognized net actuarial loss and prior service cost related to pension and other postretirement benefits 4 4 7 9 Foreign currency translation adjustments (4) 4 (41) 38 Net change in unrecognized gains (losses) on cash flow hedges 3 (10) 6 (14) Total Other comprehensive income (loss), net of tax 3 (2) (28) 33 Comprehensive income $ 269 $ 191 $ 481 $ 374 X - DefinitionAmount after tax of increase (decrease) in equity from transactions and other events and circumstances from net income and other comprehensive income, attributable to parent entity. Excludes changes in equity resulting from investments by owners and distributions to owners. + ReferencesReference 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(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(26)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 220 -SubTopic 10 -Section 45 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-5 + Details Name: us-gaap_ComprehensiveIncomeNetOfTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-6Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic

10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 17: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-10Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount, after tax and reclassification adjustment, of (increase) decrease in accumulated other comprehensive income for defined benefit plan, attributable to parent. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10A -Subparagraph (j) -SubTopic 10 -Topic 220 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-10AReference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10A -Subparagraph (k) -SubTopic 10 -Topic 220 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-10AReference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 19 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-19Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-11Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (c)(3) -SubTopic 10 -Topic 810 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1AReference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10A -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-10A + Details Name: us-gaap_OtherComprehensiveIncomeDefinedBenefitPlansAdjustmentNetOfTaxPortionAttributableToParent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount after tax and reclassification adjustments of gain (loss) on foreign currency translation adjustments, foreign currency transactions designated and effective as economic hedges of a net investment in a foreign entity and intra-entity foreign currency transactions that are of a long-term-investment nature, attributable to parent entity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 19 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-19Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 20 -SubTopic 10 -Topic 810 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-20Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (c)(3) -SubTopic 10 -Topic 810 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1A + Details Name: us-gaap_OtherComprehensiveIncomeForeignCurrencyTransactionAndTranslationAdjustmentNetOfTaxPortionAttributableToParent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount, after tax and reclassification, of gain (loss) from derivative instrument designated and qualifying as cash flow hedge included in assessment of hedge effectiveness, attributable to parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-11 + Details Name: us-gaap_OtherComprehensiveIncomeLossCashFlowHedgeGainLossAfterReclassificationAndTaxParent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_OtherComprehensiveIncomeLossNetOfTaxPeriodIncreaseDecreaseAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount after tax of other comprehensive income (loss) attributable to parent entity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 19 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-19Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 20 -SubTopic 10 -Topic 810 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-20Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (c)(3) -SubTopic 10 -Topic 810 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1AReference 4: 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 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1A + Details Name: us-gaap_OtherComprehensiveIncomeLossNetOfTaxPortionAttributableToParent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_StatementOfIncomeAndComprehensiveIncomeAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 14 R4.htm IDEA: XBRL DOCUMENT v3.24.2 Consolidated Balance Sheet (unaudited) - USD ($) $ in Millions Jun. 30, 2024 Dec. 31, 2023 Current assets: Â Â Cash and cash equivalents $ 752 $ 610 Receivables from customers, less allowances of $â€” in both 2024 and 2023 (J) 749 675 Other receivables 19 17 Inventories (K) 1,848 1,765 Prepaid expenses and other current assets 235 249 Total current assets 3,603 3,316 Properties, plants, and equipment, net (L) 2,307 2,328 Goodwill 4,016 4,035 Deferred income taxes 32 46 Intangibles, net 489 505 Other noncurrent assets (M) 232 198 Total assets 10,679 10,428 Current liabilities: Â Â Accounts payable, trade (Q) 971 982 Accrued compensation and retirement costs 235 263 Taxes, including income taxes (G) 81 68 Accrued interest payable 64 65 Other current liabilities (M)(Q) 225 200 Long-term debt due within one year (N) 782 206 Total current liabilities 2,358 1,784 Long-term debt (N)(O) 2,877 3,500 Accrued pension benefits (E) 645 664 Accrued other postretirement benefits (E) 90 92 Other noncurrent liabilities and deferred credits (M) 432 351 Total liabilities 6,402 6,391 Contingencies and commitments (Q) Howmet Aerospace shareholdersâ€™ equity: Â Â Preferred stock 55 55 Common stock 408 410 Additional capital 3,486 3,682 Retained earnings 2,186 1,720 Accumulated other comprehensive loss (I) (1,858) (1,830) Total equity 4,277 4,037 Total liabilities and equity $ 10,679 $ 10,428 X - DefinitionCarrying value as of the balance sheet date of liabilities incurred (and for which invoices have typically been received) and payable to vendors for goods and services received that are used in an entity's business. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10 + Details Name: us-gaap_AccountsPayableCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after allowance for credit loss, of right to consideration from customer for product sold and service rendered in normal course of business, classified as current. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481990/310-10-45-2 + Details Name: us-gaap_AccountsReceivableNetCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount, after tax, of accumulated increase (decrease) in equity from transaction and other event and circumstance from nonowner source. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 220 -SubTopic 10 -Section 45 -Paragraph 14A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-14AReference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-11Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(2)(ii) -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 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 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)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 220 -SubTopic 10 -Section 45 -Paragraph 14 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-14 + Details Name: us-gaap_AccumulatedOtherComprehensiveIncomeLossNetOfTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of excess of issue price over par or stated value of stock and from other transaction involving stock or stockholder. Includes, but is not limited to, additional paid-in capital (APIC) for common and preferred stock. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_AdditionalPaidInCapital Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of asset recognized for present right to economic benefit. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 12: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 13: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(12)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -

Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 18: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 19: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 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https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 30: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(11)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1 + Details Name: us-gaap_Assets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of asset recognized for present right to economic benefit, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI 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Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 20: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7 + Details Name: us-gaap_AssetsCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_AssetsCurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4 + Details Name: us-gaap_CashAndCashEquivalentsAtCarryingValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionRepresents the caption on the face of the balance sheet to indicate that the entity has entered into (1) purchase or supply arrangements that will require expending a portion of its resources to meet the terms thereof, and (2) is exposed to potential losses or, less frequently, gains, arising from (a) possible claims against a company's resources due to future performance under contract terms, and (b) possible losses or likely gains from uncertainties that will ultimately be resolved when one or more future events that are deemed likely to occur do occur or fail to occur. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(15)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1 + Details Name: us-gaap_CommitmentsAndContingencies Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAggregate par or stated value of issued nonredeemable common stock (or common stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable common shares, par value and other disclosure concepts are in another section within stockholders' equity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap_CommonStockValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionCarrying amount as of the balance sheet date of unearned revenue or income, not otherwise specified in the taxonomy, which is expected to be taken into income after one year or beyond the normal operating cycle, if longer and noncurrent obligations not separately disclosed in the balance sheet (other liabilities, noncurrent). + ReferencesNo definition available. + Details Name: us-gaap_DeferredCreditsAndOtherLiabilitiesNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after allocation of valuation allowances and deferred tax liability, of deferred tax asset attributable to deductible differences and carryforwards, with jurisdictional netting. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482525/740-10-45-4Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482525/740-10-45-6 + Details Name: us-gaap_DeferredIncomeTaxAssetsNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of liability, recognized in statement of financial position, for defined benefit pension plan, classified as noncurrent. Excludes other postretirement benefit plan. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480535/715-20-45-3Reference 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(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 715 -SubTopic 20 -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480535/715-20-45-2Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 715 -SubTopic 20 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1 + Details Name: us-gaap_DefinedBenefitPensionPlanLiabilitiesNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionTotal of the carrying values as of the balance sheet date of obligations incurred through that date and payable for obligations related to services received from employees, such as accrued salaries and bonuses, payroll taxes and fringe benefits. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_EmployeeRelatedLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after accumulated impairment loss, of asset representing future economic benefit arising from other asset acquired in business combination or from joint venture formation or both, that is not individually identified and separately recognized. + ReferencesReference 1: 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 2: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482548/350-20-55-24Reference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 100 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-100Reference 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/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(15)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482598/350-20-45-1Reference 7: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(10)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1 + Details Name: us-gaap_Goodwill Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionSum of the carrying amounts of all intangible assets, excluding goodwill, as of the balance sheet date, net of accumulated amortization and impairment charges. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482686/350-30-45-1 + Details Name: us-gaap_IntangibleAssetsNetExcludingGoodwill Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionCarrying value as of the balance sheet date of [accrued] interest payable on all forms of debt, including trade payables, that has been incurred and is unpaid. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: http://fasb.org/us-

gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InterestPayableCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount after valuation and LIFO reserves of inventory expected to be sold, or consumed within one year or operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of liability recognized for present obligation requiring transfer or otherwise providing economic benefit to others. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(26)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 15: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(14)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 18: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 27: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 28: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 29: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30 + Details Name: us-gaap_Liabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of liabilities and equity items, including the portion of equity attributable to noncontrolling interests, if any. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(32)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LiabilitiesAndStockholdersEquity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionTotal obligations incurred as part of normal operations that are expected to be paid during the following twelve months or within one business cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 8: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-5Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 20: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 21: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7 + Details Name: us-gaap_LiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_LiabilitiesCurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt classified as current. Excludes lease obligation. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LongTermDebtCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt classified as noncurrent. Excludes lease obligation. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LongTermDebtNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of noncurrent assets classified as other. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_OtherAssetsNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of liabilities classified as other, due within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10 + Details Name: us-gaap_OtherLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of liability, recognized in statement of financial position, for defined benefit other postretirement plan, classified as noncurrent. Excludes pension plan. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480535/715-20-45-3Reference 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(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 715 -SubTopic 20 -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480535/715-20-45-2Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 715 -SubTopic 20 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1 + Details Name: us-gaap_OtherPostretirementDefinedBenefitPlanLiabilitiesNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after allowance, of receivables classified as other, due within one year or the operating cycle, if longer. + ReferencesNo definition available. + Details Name: us-gaap_OtherReceivablesNetCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAggregate par or stated value of issued nonredeemable preferred stock (or preferred stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable preferred shares, par value and other disclosure concepts are in another section within stockholders' equity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI

https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap_PreferredStockValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of asset related to consideration paid in advance for costs that provide economic benefits in future periods, and amount of other assets that are expected to be realized or consumed within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_PrepaidExpenseAndOtherAssetsCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount after accumulated depreciation, 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. + ReferencesReference 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 X - DefinitionAmount of accumulated undistributed earnings (deficit). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)(a)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (h)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-11Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(23)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_RetainedEarningsAccumulatedDeficit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(31)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 12: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 13: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 14: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 4.E) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480418/310-10-S99-2 + Details Name: us-gaap_StockholdersEquity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_StockholdersEquityAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionCarrying value as of the balance sheet date of obligations incurred and payable for statutory income, sales, use, payroll, excise, real, property and other taxes. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_TaxesPayableCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 15 R5.htm IDEA: XBRL DOCUMENT v3.24.2 Consolidated Balance Sheet (unaudited) (Parenthetical) - USD ($) $ in Millions Jun. 30, 2024 Dec. 31, 2023 Statement of Financial Position [Abstract] Â Â Receivables from customers, allowances $ 0 $ 0 X - DefinitionAmount of allowance for credit loss on accounts receivable, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479344/326-20-45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481962/310-10-50-4 + Details Name: us-gaap_AllowanceForDoubtfulAccountsReceivableCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_StatementOfFinancialPositionAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 16 R6.htm IDEA: XBRL DOCUMENT v3.24.2 Statement of Consolidated Cash Flows (unaudited) - USD ($) $ in Millions 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Operating activities Â Â Net income $ 509 $ 341 Adjustments to reconcile net income to cash provided from operations: Â Â Depreciation and amortization 136 136 Deferred income taxes 67 57 Restructuring and other charges 22 4 Net realized and unrealized losses 13 11 Net periodic pension cost (E) 20 19 Stock-based compensation 38 26 Loss on debt redemption (N) 0 1 Other 7 0 Changes in assets and liabilities, excluding effects of acquisitions, divestitures, and foreign currency translation adjustments: Â Â Increase in receivables (J) (100) (141) Increase in inventories (109) (99) Decrease (increase) in prepaid expenses and other current assets 5 (9) Increase (decrease) in accounts payable, trade 6 (80) Decrease in accrued expenses (17) (15) Increase in taxes, including income taxes 13 31 Pension contributions (17) (12) (Increase) decrease in noncurrent assets (7) 1 Decrease in noncurrent liabilities (12) (19) Cash provided from operations 574 252 Financing Activities Â Â Repurchases and payments on debt (N) (23) (176) Premiums paid on early redemption of debt (N) 0 (1) RepurchasesÂ ofÂ commonÂ stock (210) (125) Proceeds from exercise of employee stock options 6 9 Dividends paid to shareholders (42) (35) Taxes paid for net share settlement of equity awards (32) (75) Cash used for financing activities (301) (403) Investing Activities Â Â Capital expenditures (C) (137) (105) Proceeds from the sale of assets and businesses (D and P) 8 0 Cash used for investing activities (129) (105) Effect of exchange rate changes on cash, cash equivalents and restricted cash (2) 0 Net change in cash, cash equivalents and restricted cash 142 (256) Cash, cash equivalents and restricted cash at beginning of period 610 792 Cash, cash equivalents and restricted cash at end of period $ 752 $ 536 X - DefinitionThe total amount of net periodic benefit cost for defined benefit pension plans for the period excluding settlements, curtailments, and special termination benefits related to restructuring actions. Periodic benefit costs include the following components: service cost, interest cost, expected return on plan assets, gain (loss), prior service cost or credit, transition asset or obligation, and gain (loss) due to settlements or curtailments. + ReferencesNo definition available. + Details Name: hwm_DefinedBenefitPensionPlansNetPeriodicBenefitCost Namespace Prefix: hwm_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionIncrease (Decrease) In Share-based Compensation + ReferencesNo definition available. + Details Name: hwm_IncreaseDecreaseInSharebasedCompensation Namespace Prefix: hwm_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionRestructuring And Other Charges + ReferencesNo definition available. + Details Name: hwm_RestructuringAndOtherCharges Namespace Prefix: hwm_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_AdjustmentsToReconcileNetIncomeLossToCashProvidedByUsedInOperatingActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage. Excludes amount for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4 + Details Name: us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of increase (decrease) in cash, cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; including effect from exchange rate change. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 1 -SubTopic 230 -Topic 830 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477401/830-230-45-1 + Details Name: us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of deferred income tax expense (benefit) and income tax credits. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_DeferredIncomeTaxesAndTaxCredits Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe aggregate expense recognized in the current period that allocates the cost of tangible assets, intangible assets, or depleting assets to periods that benefit from use of the assets. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22 + Details Name: us-gaap_DepreciationDepletionAndAmortization Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of increase (decrease) from effect of exchange rate changes on cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; held in foreign currencies. Excludes amounts for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 230 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477401/830-230-45-1 + Details Name: us-gaap_EffectOfExchangeRateOnCashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of realized and unrealized gain (loss) on investment. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(9)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(7)(c)) -Publisher FASB -URI

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DefinitionChange in recurring obligations of a business that arise from the acquisition of merchandise, materials, supplies and services used in the production and sale of goods and services. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInAccountsPayableTrade Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in the aggregate amount of expenses incurred but not yet paid. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInAccruedLiabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe increase (decrease) during the reporting period of all taxes owed but not paid, including income, property and other taxes. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInAccruedTaxesPayable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in the aggregate value of all inventory held by the reporting entity, associated with underlying transactions that are classified as operating activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInInventories Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_IncreaseDecreaseInOperatingCapitalAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of increase (decrease) in noncurrent assets classified as other. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInOtherNoncurrentAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of increase (decrease) in noncurrent operating liabilities classified as other. + ReferencesNo definition available. + Details Name: us-gaap_IncreaseDecreaseInOtherNoncurrentLiabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of increase (decrease) in prepaid expenses, and assets classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInPrepaidDeferredExpenseAndOtherAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in the total amount due within one year (or one operating cycle) from all parties, associated with underlying transactions that are classified as operating activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInReceivables Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash inflow (outflow) from financing activities, including discontinued operations. Financing activity cash flows include obtaining resources from owners and providing them with a return on, and a return of, their investment; borrowing money and repaying amounts borrowed, or settling the obligation; and obtaining and paying for other resources obtained from creditors on long-term credit. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24 + Details Name: us-gaap_NetCashProvidedByUsedInFinancingActivities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetCashProvidedByUsedInFinancingActivitiesContinuingOperationsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of cash inflow (outflow) from investing activities, including discontinued operations. Investing activity cash flows include making and collecting loans and acquiring and disposing of debt or equity instruments and property, plant, and equipment and other productive assets. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24 + Details Name: us-gaap_NetCashProvidedByUsedInInvestingActivities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetCashProvidedByUsedInInvestingActivitiesContinuingOperationsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of cash inflow (outflow) from operating activities, including discontinued operations. Operating activity cash flows include transactions, adjustments, and changes in value not defined as investing or financing activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-25 + Details Name: us-gaap_NetCashProvidedByUsedInOperatingActivities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetCashProvidedByUsedInOperatingActivitiesContinuingOperationsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI 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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 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-SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of income (expense) included in net income that results in no cash inflow (outflow), classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_OtherNoncashIncomeExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe cash outflow to reacquire common stock during the period. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 15 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-15 + Details Name: us-gaap_PaymentsForRepurchaseOfCommonStock Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash outflow for cost from early extinguishment and prepayment of debt. Includes, but is not limited to, third-party cost, premium paid, and other fee paid to lender directly for debt extinguishment or debt prepayment. Excludes accrued interest. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 15 -Subparagraph (g) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-15 + Details Name: us-gaap_PaymentsOfDebtExtinguishmentCosts Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionCash outflow in the form of ordinary dividends to common shareholders, preferred shareholders and noncontrolling interests, generally out of earnings. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 15 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-15 + Details Name: us-gaap_PaymentsOfOrdinaryDividends Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash outflow to satisfy grantee's tax withholding obligation for award under share-based payment arrangement. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 15 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-15 + Details Name: us-gaap_PaymentsRelatedToTaxWithholdingForShareBasedCompensation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X -

DefinitionThe cash outflow associated with the acquisition of long-lived, physical assets that are used in the normal conduct of business to produce goods and services and not intended for resale; includes cash outflows to pay for construction of self-constructed assets. + ReferencesReference 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_PaymentsToAcquirePropertyPlantAndEquipment Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash outflow for pension benefit. Includes, but is not limited to, employer contribution to fund plan asset and payment to retiree. Excludes other postretirement benefit. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (g) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-25 + Details Name: us-gaap_PensionContributions Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAggregate cash proceeds received from a combination of transactions in which noncurrent assets are sold, which may include the sale of a business, an investment in an affiliate (including an equity method investee), property, plant and equipment and intangible assets. Excludes sales of trading, available-for-sale, and held-to-maturity securities. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section 45 -Paragraph 12 -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-12 + Details Name: us-gaap_ProceedsFromSalesOfBusinessAffiliateAndProductiveAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash inflow from exercise of option under share-based payment arrangement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 14 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14Reference 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 X - DefinitionThe cash outflow for debt initially having maturity due after one year or beyond the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 15 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-15Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-03(i)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479886/946-10-S99-3 + Details Name: us-gaap_RepaymentsOfLongTermDebt Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration XML 17 R7.htm IDEA: XBRL DOCUMENT v3.24.2 Statement of Changes in Consolidated Equity (unaudited) - USD ($) $ in Millions Total Preferred Class A Preferred stock Common stock Additional capital Retained earnings Retained earnings Preferred Class A Accumulated other comprehensive loss Beginning balance at Dec. 31, 2022 $ 3,601 Â $ 55 $ 412 $ 3,947 $ 1,028 Â $ (1,841) Increase (Decrease) in Stockholders' Equity [Roll Forward] Â Â Â Â Â Â Â Â Net income 341 Â Â Â Â 341 Â Â Other comprehensive income (loss) (I) 33 Â Â Â Â Â Â 33 Cash dividends declared: Â Â Â Â Â Â Â Â Preferred stock-Class A Â $ (1) Â Â Â Â $ (1) Â Common (34) Â Â Â Â (34) Â Â Repurchase and retirement of common stock (H) (125) Â Â (3) (122) Â Â Â Stock-based compensation 26 Â Â Â 26 Â Â Common stock issued: compensation plans (66) Â Â 3 (69) Â Â Ending balance at Jun. 30, 2023 3,775 Â 55 412 3,782 1,334 Â (1,808) Beginning balance at Mar. 31, 2023 3,761 Â 55 412 3,941 1,159 Â (1,806) Increase (Decrease) in Stockholders' Equity [Roll Forward] Â Â Â Â Â Â Â Net income 193 Â Â Â Â 193 Â Â Other comprehensive income (loss) (I) (2) Â Â Â Â Â Â (2) Cash dividends declared: Â Â Â Â Â Â Â Common (18) Â Â Â Â (18) Â Â Repurchase and retirement of common stock (H) (100) Â Â (3) (97) Â Â Â Stock-based compensation 12 Â Â Â 12 Â Â Common stock issued: compensation plans (71) Â Â 3 (74) Â Â Ending balance at Jun. 30, 2023 3,775 Â 55 412 3,782 1,334 Â (1,808) Beginning balance at Dec. 31, 2023 4,037 Â 55 410 3,682 1,720 Â (1,830) Increase (Decrease) in Stockholders' Equity [Roll Forward] Â Â Â Â Â Â Â Net income 509 Â Â Â Â 509 Â Â Other comprehensive income (loss) (I) (28) Â Â Â Â Â Â (28) Cash dividends declared: Â Â Â Â Â Â Â Preferred stock-Class A Â $ (1) Â Â Â Â $ (1) Â Common (42) Â Â Â Â (42) Â Â Repurchase and retirement of common stock (H) (211) Â Â (3) (208) Â Â Â Stock-based compensation 38 Â Â Â 38 Â Â Common stock issued: compensation plans (25) Â Â 1 (26) Â Â Â Ending balance at Jun. 30, 2024 4,277 Â 55 408 3,486 2,186 Â (1,858) Beginning balance at Mar. 31, 2024 4,086 Â 55 408 3,542 1,942 Â (1,861) Increase (Decrease) in Stockholders' Equity [Roll Forward] Â Â Â Â Â Â Â Net income 266 Â Â Â Â 266 Â Â Other comprehensive income (loss) (I) 3 Â Â Â Â Â Â 3 Cash dividends declared: Â Â Â Â Â Â Â Â Common (22) Â Â Â Â (22) Â Â Repurchase and retirement of common stock (H) (61) Â Â (1) (60) Â Â Â Stock-based compensation 23 Â Â Â 23 Â Â Â Common stock issued: compensation plans (18) Â Â 1 (19) Â Â Â Ending balance at Jun. 30, 2024 $ 4,277 Â $ 55 $ 408 $ 3,486 $ 2,186 Â $ (1,858) X - DefinitionAmount of increase to additional paid-in capital (APIC) for recognition of cost for award under share-based payment arrangement. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 35 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480483/718-10-35-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 20 -Section 55 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481089/718-20-55-13Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 20 -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481089/718-20-55-12 + Details Name: us-gaap_AdjustmentsToAdditionalPaidInCapitalSharebasedCompensationRequisiteServicePeriodRecognitionValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_DividendsCashAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of paid and unpaid common stock dividends declared with the form of settlement in cash, stock and payment-in-kind (PIK). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 2 -SubTopic 405 -Topic 942 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477787/942-405-45-2 + Details Name: us-gaap_DividendsCommonStock Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of paid and unpaid preferred stock dividends declared with the form of settlement in cash, stock and payment-in-kind (PIK). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 2 -SubTopic 405 -Topic 942 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477787/942-405-45-2 + Details Name: us-gaap_DividendsPreferredStock Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionA roll forward is a reconciliation of a concept from the beginning of a period to the end of a period. + ReferencesNo definition available. + Details Name: us-gaap_IncreaseDecreaseInStockholdersEquityRollForward Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) 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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: 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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: 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https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount after tax of other comprehensive income (loss) attributable to parent entity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 19 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-19Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 20 -SubTopic 10 -Topic 810 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-20Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (c)(3) -SubTopic 10 -Topic 810 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1AReference 4: 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 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1A + Details Name: us-gaap_OtherComprehensiveIncomeLossNetOfTaxPortionAttributableToParent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionValue, after forfeiture, of shares issued under share-based payment arrangement. Excludes employee stock ownership plan (ESOP). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 10 -Section 50 -

Paragraph 2 -Subparagraph (d)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_StockIssuedDuringPeriodValueShareBasedCompensation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionEquity impact of the value of stock that has been repurchased and retired during the period. The excess of the purchase price over par value can be charged against retained earnings (once the excess is fully allocated to additional paid in capital). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockRepurchasedAndRetiredDuringPeriodValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(31)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 12: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 13: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 14: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 4.E) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480418/310-10-S99-2 + Details Name: us-gaap_StockholdersEquity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 18 R8.htm IDEA: XBRL DOCUMENT v3.24.2 Statement of Changes in Consolidated Equity (unaudited) (Parenthetical) - $ / shares 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Common (in usd per share) $ 0.10 $ 0.08 Preferred Class A Â Â Preferred (in usd per share) $ 1.8750 $ 1.8750 X - DefinitionAggregate dividends declared during the period for each share of common stock outstanding. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_CommonStockDividendsPerShareDeclared Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionAggregate dividends declared during the period for each share of preferred stock outstanding. + ReferencesNo definition available. + Details Name: us-gaap_PreferredStockDividendsPerShareDeclared Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_StatementClassOfStockAxis=us-gaap_PreferredClassAMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 19 R9.htm IDEA: XBRL DOCUMENT v3.24.2 Basis of Presentation 6 Months Ended Jun. 30, 2024 Organization, Consolidation and Presentation of Financial Statements [Abstract] Â Basis of Presentation Basis of PresentationThe interim Consolidated Financial Statements of Howmet Aerospace Inc. and its subsidiaries (â€œHowmetâ€ or the â€œCompanyâ€ or â€œweâ€ or â€œourâ€) are unaudited. These Consolidated Financial Statements include all adjustments, consisting only of normal recurring adjustments, considered necessary by management to fairly state the Companyâ€™s results of operations, financial position, and cash flows. The results reported in these Consolidated Financial Statements are not necessarily indicative of the results that may be expected for the entire year. The 2023 year-end balance sheet data was derived from audited financial statements but does not include all disclosures required by accounting principles generally accepted in the United States of America (â€œGAAPâ€). This Form 10-Q report should be read in conjunction with the Company's Annual Report on Form 10-K for the year ended DecemberÂ 31, 2023 (the â€œForm 10-Kâ€), which includes all disclosures required by GAAP. Certain amounts in previously issued financial statements were reclassified to conform to the current period presentation.In the six months ended JuneÂ 30, 2024, the Company derived approximately 51% of its revenue from products sold to the commercial aerospace market which is less than the pre-pandemic 2019 annual rate of approximately 60%. Aircraft production in the commercial aerospace industry continues to recover based on increases in demand for narrow body and wide body aircraft. We expect commercial aerospace wide body demand to grow faster than narrow body demand on a production percentage basis. Quality control issues at The Boeing Company (â€œBoeingâ€) are expected to negatively impact narrow body and wide body production rates in the near term. For instance, the Federal Aviation Administration stated that it will not approve production rate increases or additional production lines for the Boeing 737 MAX until it is satisfied that Boeing is in full compliance with required quality control procedures. Boeing production levels have a material impact on the financial performance of Howmet. The timing and level of future aircraft builds by original equipment manufacturers are subject to changes and uncertainties, which may cause our future results to differ from prior periods due to changes in product mix in certain segments.The preparation of the Consolidated Financial Statements of the Company in conformity with GAAP requires management to make certain judgments, estimates, and assumptions. These estimates are based on historical experience and, in some cases, assumptions based on current and future market expectations, including considerations relating to changes in the aerospace industry. The impact of these changes, including the macroeconomic considerations, remains highly uncertain. Management has made its best estimates using all relevant information available at the time, but it is possible that our estimates will differ from our actual results and affect the Consolidated Financial Statements in future periods and potentially require adverse adjustments to the recoverability of goodwill, intangible and long-lived assets, the realizability of deferred tax assets and other judgments and estimations and assumptions. X - DefinitionThe entire disclosure for the basis of presentation and significant accounting policies concepts. Basis of presentation describes the underlying basis used to prepare the financial statements (for example, US Generally Accepted Accounting Principles, Other Comprehensive Basis of Accounting, IFRS). Accounting policies describe all significant accounting policies of the reporting entity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 235 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/235/tableOfContent + Details Name: us-gaap_BasisOfPresentationAndSignificantAccountingPoliciesTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_OrganizationConsolidationAndPresentationOfFinancialStatementsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 20 R10.htm IDEA: XBRL DOCUMENT v3.24.2 Recently Adopted and Recently Issued Accounting Guidance 6 Months Ended Jun. 30, 2024 Accounting Policies [Abstract] Â Recently Adopted and Recently Issued Accounting Guidance Recently Adopted and Recently Issued Accounting GuidanceAdoptedIn September 2022, the Financial Accounting Standards Board (â€œFASBâ€) issued guidance to enhance the transparency of disclosures regarding supplier finance programs (See Note Q). These changes became effective for fiscal years beginning after December 15, 2022, including interim periods within those fiscal years, except for the amendment on rollforward information, which is effective for fiscal years beginning after December 15, 2023.IssuedIn December 2023, the FASB issued guidance to enhance the transparency of income tax disclosures including additional details on the rate reconciliation and taxes paid by jurisdiction. These changes become effective for fiscal years beginning after December 15, 2024. Management is currently evaluating the impact of these changes on the Consolidated Financial Statements.In November 2023, the FASB issued guidance to enhance disclosures related to significant segment expenses and other matters related to reportable segments. These changes become effective for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024. Management is currently evaluating the impact of these changes on the Consolidated Financial Statements. X - ReferencesNo definition available. + Details Name: us-gaap_AccountingPoliciesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for change in accounting principle. Includes, but is not limited to, nature, reason, and method of adopting amendment to accounting standards or other change in accounting principle. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476173/280-10-65-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 105 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479343/105-10-65-7Reference 4: 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 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 848 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483550/848-10-65-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 848 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (d)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483550/848-10-65-2Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 848 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483550/848-10-65-1Reference 11: 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 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(2)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(2)(iv) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 15: 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 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 5 -Subparagraph (SAB Topic 11.M.Q2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480530/250-10-S99-5Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 20 -Name Accounting Standards Codification -Section 65 -Paragraph 6 -Subparagraph (i)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480528/815-20-65-6Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 4 -Subparagraph (e)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479654/326-10-65-4Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 4 -Subparagraph (e)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479654/326-10-65-4Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 926 -SubTopic 20 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (f)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483194/926-20-65-2Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 926 -SubTopic 20 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (f)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483194/926-20-65-2Reference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 926 -SubTopic 20 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (f)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483194/926-20-65-2Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480530/250-10-S99-6Reference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 27: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Topic 250 -Publisher FASB -URI https://asc.fasb.org/250/tableOfContentReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1 + Details Name: us-gaap_NewAccountingPronouncementsAndChangesInAccountingPrinciplesTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 21 R11.htm IDEA: XBRL DOCUMENT v3.24.2 Segment Information 6 Months Ended Jun. 30, 2024 Segment Reporting [Abstract] Â Segment Information Segment InformationHowmet is a global leader in lightweight metals engineering and manufacturing. Howmetâ€™s innovative, multi-material products, which include nickel, titanium, aluminum, and cobalt, are used worldwide in the aerospace (commercial and defense), commercial transportation, and industrial and other markets. Segment performance under Howmetâ€™s management reporting system is evaluated based on a number of factors; however, the primary measure of performance is Segment Adjusted EBITDA. Howmetâ€™s definition of Segment Adjusted EBITDA (Earnings before interest, taxes, depreciation, and amortization) is net margin plus an add-back for depreciation and amortization. Net margin is equivalent to Sales minus the following items: Cost of goods sold; Selling, general administrative, and other expenses; Research and development expenses; and Provision for depreciation and amortization. Special items, including Restructuring and other charges, are excluded from net margin and Segment Adjusted EBITDA. Segment Adjusted EBITDA may not be comparable to similarly titled measures of other companies. Differences between the total segment and consolidated totals are in Corporate.Howmetâ€™s operations consist of four worldwide reportable segments as follows:Engine ProductsEngine Products produces investment

castings, including airfoils, and seamless rolled rings primarily for aircraft engines and industrial gas turbine applications. Engine Products produces rotating parts as well as structural parts.Fastening SystemsFastening Systems produces aerospace fastening systems, as well as commercial transportation, industrial and other fasteners. The businessâ€™s high-tech, multi-material fastening systems are found nose to tail on aircraft and aero engines. Fastening Systemsâ€™ products are also critical components of commercial transportation vehicles, and construction, industrial, and renewable energy equipment.Engineered StructuresEngineered Structures produces titanium ingots and mill products for aerospace and defense applications and is vertically integrated to produce titanium forgings, extrusions, forming and machining services for airframe, wing, aero-engine, and landing gear components. Engineered Structures also produces aluminum forgings, nickel forgings, and aluminum machined components and assemblies for aerospace and defense applications.Forged WheelsForged Wheels provides forged aluminum wheels and related products for heavy-duty trucks and the commercial transportation market.The operating results of the Companyâ€™s reportable segments were as follows:Engine ProductsFastening SystemsEngineered StructuresForged WheelsTotalSegmentSecond quarter ended June 30, 2024Sales:Third-party sales$933Â $394Â $275Â $278Â $1,880Â Inter-segment sales1Â â€”Â 3Â â€”Â 4Â Total sales$934Â $394Â $278Â $278Â $1,884Â Profit and loss:Provision for depreciation and amortization$33Â $13Â $11Â $10Â $67Â Segment Adjusted EBITDA292Â 101Â 40Â 75Â 508Â Restructuring and other (credits) charges(1)2Â 14Â â€”Â 15Â Capital expenditures33Â 5Â 5Â 9Â 52Â Second quarter ended June 30, 2023Sales:Third-party sales$821Â $329Â $200Â $298Â $1,648Â Inter-segment sales5Â â€”Â 1Â â€”Â 6Â Total sales$826Â $329Â $201Â $298Â $1,654Â Profit and loss:Provision for depreciation and amortization$32Â $12Â $12Â $10Â $66Â Segment Adjusted EBITDA223Â 64Â 20Â 81Â 388Â Restructuring and other (credits) charges(1)â€”Â 5Â â€”Â 4Â Capital expenditures21Â 5Â 5Â 7Â 38Â Engine ProductsFastening SystemsEngineered StructuresForged WheelsTotalSegmentSix months ended June 30, 2024Sales:Third-party sales$1,818Â $783Â $537Â $566Â $3,704Â Inter-segment sales3Â â€”Â 4Â â€”Â 7Â Total sales$1,821Â $783Â $541Â $566Â $3,711Â Profit and loss:Provision for depreciation and amortization$66Â $24Â $22Â $20Â $132Â Segment Adjusted EBITDA541Â 193Â 77Â 157Â 968Â Restructuring and other (credits) charges(1)2Â 14Â â€”Â 15Â Capital expenditures88Â 12Â 11Â 21Â 132Â Six months ended June 30, 2023Sales:Third-party sales$1,616Â $641Â $407Â $587Â $3,251Â Inter-segment sales7Â â€”Â 1Â â€”Â 8Â Total sales$1,623Â $641Â $408Â $587Â $3,259Â Profit and loss:Provision for depreciation and amortization$64Â $23Â $24Â $19Â $130Â Segment Adjusted EBITDA435Â 122Â 50Â 160Â 767Â Restructuring and other (credits) charges(1)â€”Â 6Â â€”Â 5Â Capital expenditures54Â 14Â 15Â 16Â 99Â The following table reconciles Total Segment Adjusted EBITDA to Income before income taxes. Differences between the total segment and consolidated totals are in Corporate.Second quarter endedSix months endedJune 30,June 30,2024202320242023Total Segment Adjusted EBITDA$508Â $388Â $968Â $767Â Segment provision for depreciation and amortization(67)(66)(132)(130)Unallocated amounts:Restructuring and other charges(22)(3)(22)(4)Corporate expense(21)(34)(47)(63)Operating income$398Â $285Â $767Â $570Â Loss on debt redemptionâ€”Â â€”Â â€”Â (1)Interest expense, net(49)(55)(98)(112)Other (expense) income, net(15)13Â (32)6Â Income before income taxes$334Â $243Â $637Â $463Â The following table reconciles total segment capital expenditures with Capital expenditures as presented in the Statement of Consolidated Cash Flows.Second quarter endedSix months endedJune 30,June 30,2024202320242023Total segment capital expenditures$52Â $38Â $132Â $99Â Corporate3Â 3Â 5Â 6Â Capital expenditures$55Â $41Â $137Â $105Â The following table disaggregates segment revenue by major market served. Differences between the total segment and consolidated totals are in Corporate.Engine ProductsFastening SystemsEngineered StructuresForged WheelsTotalSegmentSecond quarter ended June 30, 2024Aerospace - Commercial$528Â $251Â $200Â $â€”Â $979Â Aerospace - Defense 192Â 37Â 61Â â€”Â 290Â Commercial Transportationâ€”Â 68Â â€”Â 278Â 346Â Industrial and Other213Â 38Â 14Â â€”Â 265Â Total end-market revenue$933Â $394Â $275Â $278Â $1,880Â Second quarter ended June 30, 2023Aerospace - Commercial$446Â $184Â $141Â $â€”Â $771Â Aerospace - Defense 174Â 46Â 42Â â€”Â 262Â Commercial Transportationâ€”Â 62Â â€”Â 298Â 360Â Industrial and Other201Â 37Â 17Â â€”Â 255Â Total end-market revenue$821Â $329Â $200Â $298Â $1,648Â Six months ended June 30, 2024Aerospace - Commercial$1,020Â $495Â $392Â $â€”Â $1,907Â Aerospace - Defense 377Â 76Â 117Â â€”Â 570Â Commercial Transportationâ€”Â 134Â â€”Â 566Â 700Â Industrial and Other421Â 78Â 28Â â€”Â 527Â Total end-market revenue$1,818Â $783Â $537Â $566Â $3,704Â Six months ended June 30, 2023Aerospace - Commercial$878Â $354Â $293Â $â€”Â $1,525Â Aerospace - Defense 337Â 90Â 86Â â€”Â 513Â Commercial Transportationâ€”Â 125Â â€”Â 587Â 712Â Industrial and Other401Â 72Â 28Â â€”Â 501Â Total end-market revenue$1,616Â $641Â $407Â $587Â $3,251Â The Company derived 67% and 63% of its revenue from the aerospace (commercial and defense) markets for the six months ended JuneÂ 30, 2024 and 2023, respectively.On April 2, 2024, General Electric Company, one of our largest customers, completed the spin-off of its energy-focused business into GE Vernova, a new publicly traded company. Since then, General Electric Company operates as GE Aerospace. GE Aerospace and RTX Corporation each represented approximately 10% of the Companyâ€™s third-party sales in the six months ended JuneÂ 30, 2024. General Electric Company and RTX Corporation represented approximately 13% and 10%, respectively, of the Companyâ€™s third-party sales in the six months ended JuneÂ 30, 2023. These sales were primarily from the Engine Products segment. X - ReferencesNo definition available. + Details Name: us-gaap_SegmentReportingAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for reporting segments including data and tables. Reportable segments include those that meet any of the following quantitative thresholds a) it's reported revenue, including sales to external customers and intersegment sales or transfers is 10 percent or more of the combined revenue, internal and external, of all operating segments b) the absolute amount of its reported profit or loss is 10 percent or more of the greater, in absolute amount of 1) the combined reported profit of all operating segments that did not report a loss or 2) the combined reported loss of all operating segments that did report a loss c) its assets are 10 percent or more of the combined assets of all operating segments. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 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/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/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 54 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-54Reference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 47 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-47Reference 8: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 54 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-54Reference 9: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 47 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-47Reference 10: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 54 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-54Reference 11: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 47 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-47Reference 12: 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 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 31 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-31Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 34 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-34Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 26C -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-26CReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 26B -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-26BReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-15Reference 18: 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 19: 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 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/280/tableOfContentReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 26 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-26Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 41 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-41Reference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 21 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-21Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 21 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-21Reference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32 + Details Name: us-gaap_SegmentReportingDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 22 R12.htm IDEA: XBRL DOCUMENT v3.24.2 Restructuring and Other Charges 6 Months Ended Jun. 30, 2024 Restructuring and Related Activities [Abstract] Â Restructuring and Other Charges Restructuring and Other ChargesSecond quarter endedSix months endedJune 30,June 30,2024202320242023Layoff costs$7Â $â€”Â $7Â $â€”Â Reversals of previously recorded layoff reserves$â€”Â $â€”Â â€”Â (1)Pension and Other post-retirement benefits - net settlements (E)â€”Â 3Â â€”Â 3Â Net loss related to divestitures of assets and businesses (P)14Â â€”Â 13Â â€”Â Other1Â â€”Â 2Â 2Â Total restructuring and other charges$22Â $3Â $22Â $4Â In the second quarter of 2024, the Company recorded Restructuring and other charges of $22, which were primarily due to a loss on the sale of a small U.K. manufacturing facility in Engineered Structures of $14, a charge for layoff costs of $7, including the separation of 283 employees (144 in Fastening Systems, 112 in Engineered Structures and 27 in Forged Wheels) and other exit related costs, including accelerated depreciation, of $1. In the six months ended JuneÂ 30, 2024, the Company recorded Restructuring and other charges of $22, which were primarily due to a loss on the sale of a small U.K. manufacturing facility in Engineered Structures of $14, a charge for layoff costs of $7, and other exit related costs, including accelerated depreciation, of $2, partially offset by a gain on the sale of assets at a small U.K. manufacturing facility in Engine Products of $1.In the second quarter of 2023, the Company recorded Restructuring and other charges of $3, which were primarily due to charges for a U.S. pension plan settlement of $3.In the six months ended JuneÂ 30, 2023, the Company recorded Restructuring and other charges of $4, which were primarily due to charges for a U.S. pension plan settlement of $3 and exit related costs, including accelerated depreciation, of $2, partially offset by a reversal of $1 for a layoff reserve related to a prior period.Layoff costsOtherÂ exit costsTotalReserve balances at December 31, 2023$5Â $2Â $7Â Cash payments(2)(1)(3)Restructuring charges7Â 15Â 22Â Other(1)â€”Â (14)(14)Reserve balances at June 30, 2024$10Â $2Â $12Â (1)In the second quarter of 2024, other for other exit costs included a loss of $14 on the sale of a small U.K. manufacturing facility.The remaining reserves as of JuneÂ 30, 2024 are expected to be paid in cash during the remainder of 2024 and 2025. X - ReferencesNo definition available. + Details Name: us-gaap_RestructuringAndRelatedActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for restructuring and related activities. Description of restructuring activities such as exit and disposal activities, include facts and circumstances leading to the plan, the expected plan completion date, the major types of costs associated with the plan activities, total expected costs, the accrual balance at the end of the period, and the periods over which the remaining accrual will be settled. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.P.4.e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/420/tableOfContentReference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1 + Details Name: us-gaap_RestructuringAndRelatedActivitiesDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 23 R13.htm IDEA: XBRL DOCUMENT v3.24.2 Pension and Other Postretirement Benefits 6 Months Ended Jun. 30, 2024 Retirement Benefits [Abstract] Â Pension and Other Postretirement Benefits Pension and Other Postretirement BenefitsThe components of net periodic cost (benefit) were as follows:Second quarter endedSix months endedÂ June 30,June 30,2024202320242023Pension benefitsService cost$â€”Â $1Â $1Â $2Â Interest cost19Â 20Â 38Â 40Â Expected return on plan assets(17)(18)(35)(37)Recognized net actuarial loss8Â 7Â 16Â 14Â Settlementsâ€”Â 3Â â€”Â 3Â Net periodic cost(1)$10Â $13Â $20Â $22Â Other postretirement benefitsÂ Â Â Â Service cost$â€”Â $â€”Â $â€”Â $â€”Â Interest cost2Â 1Â 3Â 3Â Recognized net actuarial gainâ€”Â â€”Â (1)(1)Amortization of prior service benefit(3)(2)(5)(4)Net periodic benefit(1)(1)(1)(3)(2)Â (1)Service cost was included within Cost of goods sold and Selling, general administrative, and other expenses; settlements were included in Restructuring and other charges; all other cost components were recorded in Other expense (income), net in the Statement of Consolidated Operations. Pension benefitsIn the second quarter and six months ended JuneÂ 30, 2023, the Company undertook additional actions to reduce gross pension obligations by $19 by purchasing group annuity contracts from a third-party carrier to pay and administer future annuity payments. These actions resulted in settlement charges of $3.For the second quarter and six months ended JuneÂ 30, 2024, Howmetâ€™s combined pension contributions and other postretirement benefit payments were approximately $17 and $22, respectively. For the second quarter and six months ended JuneÂ 30, 2023, Howmetâ€™s combined pension contributions and other postretirement benefit payments were approximately $7 and $19, respectively X - ReferencesNo definition available. + Details Name: us-gaap_CompensationAndRetirementDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for retirement benefits. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 70 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480794/715-70-50-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 17 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480482/715-20-55-17Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d)(iv)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (q) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (l) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/715/tableOfContentReference 8:

http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (o) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (p) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (r)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (r)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480126/715-20-S99-2Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 60 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480266/715-60-50-3 + Details Name: us-gaap_PensionAndOtherPostretirementBenefitsDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 24 R14.htm IDEA: XBRL DOCUMENT v3.24.2 Other Expense (Income), Net 6 Months Ended Jun. 30, 2024 Other Income and Expenses [Abstract] Â Other Expense (Income), Net Other Expense (Income), NetSecond quarter endedSix months endedÂ June 30,June 30,20242023202420232023Non-service costs - pension and other postretirement benefits (E)$9Â $8Â $16Â $15Â Interest income(6)(5)(11)(10)Foreign currency losses (gains), net4Â â€”Â 7Â (2)Net realized and unrealized losses6Â 7Â 13Â 11Â Deferred compensation3Â 3Â 8Â 6Â Other, net(1)(26)(1)(26)Total other expense (income), net$15Â (13)32Â $(6)In the second quarter and six months ended JuneÂ 30, 2023, Other, net primarily includes the reversal of $25, net of legal fees of $1, of the $65 pre-tax charge taken in the third quarter of 2022 related to the Lehman Brothers International (Europe) legal proceeding (See Note Q) due to the final settlement of such proceeding in June 2023. X - ReferencesNo definition available. + Details Name: us-gaap_OtherIncomeAndExpensesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for the components of non-operating income or non-operating expense, including, but not limited to, amounts earned from dividends, interest on securities, gain (loss) on securities sold, equity earnings of unconsolidated affiliates, gain (loss) on sales of business, interest expense and other miscellaneous income or expense items. + ReferencesReference 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)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_OtherNonoperatingIncomeAndExpenseTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 25 R15.htm IDEA: XBRL DOCUMENT v3.24.2 Income Taxes 6 Months Ended Jun. 30, 2024 Income Tax Disclosure [Abstract] Â Income Taxes Income TaxesThe Companyâ€™s year-to-date tax provision is comprised of the most recent estimated annual effective tax rate applied to year-to-date pre-tax ordinary income. The tax impacts of unusual or infrequently occurring items, including changes in judgment about valuation allowances and effects of changes in tax laws or rates, are recorded discretely in the interim period in which they occur. In addition, the tax provision is adjusted for the interim period impact of non-benefited pre-tax losses.The estimated annual effective tax rate, before discrete items, applied to ordinary income was 21.7% in both the second quarter and six months ended JuneÂ 30, 2024, and 23.0% in both the second quarter and six months ended JuneÂ 30, 2023. The 2024 and 2023 rates were higher than the U.S. federal statutory rate of 21% primarily due to additional estimated U.S. tax on Global Intangible Low-Taxed Income (â€œGILTIâ€) and other foreign earnings, incremental state tax, nondeductible expenses, and foreign earnings subject to tax in jurisdictions with tax rates higher than the U.S. federal statutory rate of 21%. Foreign taxes on earnings also subject to U.S. federal income tax also contributed to the 2023 rate being higher than the U.S. federal statutory rate of 21%. The 2024 rate was lower than the 2023 rate primarily due to a U.S. tax benefit recognized for foreign tax credits in 2024 and lower net U.S. tax on GILTI and other foreign earnings.For the second quarter of 2024 and 2023, the tax rate including discrete items was 20.4% and 20.6%, respectively. In the second quarter of 2024, the Company recorded a discrete tax benefit of $5 related to an excess tax benefit for stock compensation. In the second quarter of 2023, the Company recorded a discrete net tax benefit of $7 related to an $8 excess tax benefit for stock compensation and a net charge of $1 for other small items.For the six months ended JuneÂ 30, 2024 and 2023, the tax rate including discrete items was 20.1% and 26.3%, respectively. For the six months ended JuneÂ 30, 2024, the Company recorded a discrete net tax benefit of $12 attributable to a $7 excess tax benefit for stock compensation, a $6 benefit to release a valuation allowance related to a U.S. foreign tax credits, and a net tax charge of $1 for other small items. For the six months ended JuneÂ 30, 2023, the Company recorded a discrete net tax charge of $14 attributable to a $20 charge for a tax reserve established in France (See Note Q) and a net tax charge of $2 for other small items, reduced by an $8 excess tax benefit for stock compensation.The tax provision was comprised of the following:Second quarter endedSix months endedÂ June 30,June 30,Â 20242023202420232023Pre-tax income at estimated annual effective income tax rate before discrete items$72Â $56Â $138Â $107Â Interim period treatment of operational losses in foreign jurisdictions for which no tax benefit is recognized1Â 1Â 2Â 1Â Tax reserve (Q)â€”Â â€”Â â€”Â 20Â Other discrete items(5)(7)(12)(6)Provision for income taxes$68Â $50Â $128Â $122Â X - ReferencesNo definition available. + Details Name: us-gaap_IncomeTaxDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for income tax. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12C -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12CReference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12B -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12BReference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 270 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477891/740-270-50-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 6.I.5.Q1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479360/740-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-13Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(h)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/740/tableOfContentReference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-14Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 21 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-21Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 17 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-17Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 11.C) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479360/740-10-S99-2Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482603/740-30-50-2 + Details Name: us-gaap_IncomeTaxDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 26 R16.htm IDEA: XBRL DOCUMENT v3.24.2 Earnings Per Share and Common Stock 6 Months Ended Jun. 30, 2024 Earnings Per Share [Abstract] Â Earnings Per Share and Common Stock Earnings Per Share and Common StockBasic earnings per share (â€œEPSâ€) amounts are computed by dividing earnings, after the deduction of preferred stock dividends declared, by the average number of common shares outstanding. Diluted EPS amounts assume the issuance of common stock for all potentially dilutive share equivalents outstanding.The information used to compute basic and diluted EPS attributable to Howmet common shareholders was as follows (shares in millions in the table below):Second quarter endedSix months endedÂ June 30,June 30,Â 20242023202420232023Net income$266Â $193Â $509Â $341Â Less: preferred stock dividends declaredâ€”Â â€”Â 1Â 1Â Net income available to Howmet Aerospace common shareholders - basic and diluted$266Â $193Â $508Â $340Â Average shares outstanding - basic408Â 413Â 409Â 413Â Effect of dilutive securities:Stock and performance awards3Â 4Â 2Â 4Â Average shares outstanding - diluted411Â 417Â 411Â 417Â Common stock outstanding as of JuneÂ 30, 2024 and 2023 was 407,883,027 and 412,169,561, respectively. On August 18, 2021, the Company announced that its Board of Directors authorized a share repurchase program (the â€œShare Repurchase Programâ€) of up to $1,500 of the Company's outstanding common stock. After giving effect to the share repurchases made through JuneÂ 30, 2024 and as of such date, approximately $487 Board authorization remained available. On July 30, 2024, the Companyâ€™s Board of Directors authorized a $2,000 increase in the Share Repurchase Program, which, together with the remaining authorization of approximately $487, results in a Share Repurchase Program of up to approximately $2,487 of the Companyâ€™s outstanding common stock.Under the Companyâ€™s Share Repurchase Program , the Company may repurchase shares by means of trading plans established from time to time in accordance with Rule 10b5-1 under the Securities Exchange Act of 1934, as amended, block trades, private transactions, open market repurchases and/or accelerated share repurchase agreements, or other derivative transactions. There is no stated expiration for the Share Repurchase Program. Under its Share Repurchase Program, the Company may repurchase shares from time to time, in amounts, at prices, and at such times as the Company deems appropriate, subject to market conditions, legal requirements and other considerations. The Company is not obligated to repurchase any specific number of shares or to do so at any particular time, and the Share Repurchase Program may be suspended, modified, or terminated at any time without prior notice.The following table provides details for share repurchases made for the periods presented:Number of sharesAverage price per share(1)TotalQ1 2024 open market repurchase2,243,259Â $66.87Â $150Â Q2 2024 open market repurchase734,737Â $81.66Â $60Â 2024 Share repurchases as of JuneÂ 30, 20242,977,996Â $70.52Â $210Â Q1 2023 open market repurchase576,629Â $43.36Â $25Â Q2 2023 open market repurchase2,246,294Â $44.52Â $100Â 2023 Share repurchases as of JuneÂ 30, 20232,822,923Â $44.28Â $125Â (1)Excludes commissions cost.As average shares outstanding are used in the calculation for both basic and diluted EPS, the full impact of share repurchases and issuances was not fully realized in EPS in the period of repurchase or issuance since share activity may occur at varying points during a period.There were no shares relating to outstanding stock options excluded from the calculation of average shares outstanding - diluted for the second quarter and six months ended JuneÂ 30, 2024 and 2023. X - ReferencesNo definition available. + Details Name: us-gaap_EarningsPerShareAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for earnings per share. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/260/tableOfContentReference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-3 + Details Name: us-gaap_EarningsPerShareTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 27 R17.htm IDEA: XBRL DOCUMENT v3.24.2 Accumulated Other Comprehensive Loss 6 Months Ended Jun. 30, 2024 Equity [Abstract] Â Accumulated Other Comprehensive Loss Accumulated Other Comprehensive LossThe following table details the activity of the three components that comprise Accumulated other comprehensive loss:Second quarter endedSix months endedJune 30,June 30,20242023202420232023Pension and other postretirement benefits (E)Balance at beginning of period(686)(648)(689)(653)Other comprehensive income (loss):Unrecognized net actuarial loss and prior service cost/benefitâ€”Â (3)(1)â€”Â Tax benefitâ€”Â 1Â â€”Â â€”Â Total Other comprehensive loss before reclassifications, net of taxâ€”Â (2)(1)â€”Â Amortization of net actuarial loss and prior service benefit(1)5Â 8Â 10Â 12Â Tax expense(2)(1)(2)(2)(3)Total amount reclassified from Accumulated other comprehensive income, net of tax(3)4Â 6Â 8Â 9Â Total Other comprehensive income4Â 4Â 7Â 9Â Balance at end of period(682)(644)(682)(644)Foreign currency translationBalance at beginning of period$(1,173)$(1,159)$(1,136)$(1,193)Other comprehensive (loss) income(4)(4)4Â (41)38Â Balance at end of period$(1,177)$(1,155)$(1,177)$(1,155)Cash flow hedgesBalance at beginning of period(2)1Â (5)5Â Other comprehensive (loss) income:Net change from periodic revaluations4Â (10)3Â (14)Tax (expense) benefit(1)2Â (1)3Â Total Other comprehensive income (loss) before reclassifications, net of tax3Â (8)2Â (11)Net amount reclassified to earningsâ€”Â (3)5Â (4)Tax benefit (expense)(2)â€”Â 1Â (1)1Â Total amount reclassified from Accumulated other comprehensive (loss) income, net of tax(3)â€”Â (2)4Â (3)Total Other comprehensive income (loss)3Â (10)6Â (14)Balance at end of period$1Â (9)1Â $(9)Accumulated other comprehensive loss$(1,858)$(1,808)$(1,858)$(1,808)(1)These amounts were recorded in Restructuring and other charges (See Note D) and Other expense (income), net (See Note F) in the Statement of Consolidated Operations.(2)These amounts were included in Provision for income taxes (See Note G) in the Statement of Consolidated Operations.(3)A positive amount indicates a corresponding charge to earnings and a negative amount indicates a corresponding benefit to earnings.(4)In all periods presented, no amounts were reclassified to earnings. X - DefinitionThe entire disclosure for comprehensive income, which includes, but is not limited to, 1) the amount of income tax expense or benefit allocated to each component of other comprehensive income, including reclassification adjustments, 2) the reclassification adjustments for each classification of other comprehensive income and 3) the ending accumulated balances for each component of comprehensive income. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/220/tableOfContent + Details Name: us-gaap_ComprehensiveIncomeNoteTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_EquityAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 28 R18.htm IDEA: XBRL DOCUMENT v3.24.2 Receivables 6 Months Ended Jun. 30, 2024 Receivables [Abstract] Â Receivables ReceivablesSale of Receivables ProgramsThe Company maintains an accounts receivables securitization arrangement through a wholly-owned special purpose entity (â€œSPEâ€). The net cash funding from the sale of accounts receivable was neither a use of cash nor a source of cash for the second quarter or six months ended JuneÂ 30, 2024 or JuneÂ 30, 2023. The accounts receivables securitization arrangement is one in which the Company, through an SPE, has a receivables purchase agreement (the â€œReceivables Purchase Agreementâ€) pursuant to which the SPE may sell certain receivables to financial institutions until the earlier of January 2, 2026 or a termination event. The Receivables Purchase Agreement contains customary representations and warranties, as well as affirmative and negative covenants. Pursuant to the Receivables Purchase Agreement, the Company does not maintain effective control over the transferred receivables, and therefore accounts for these transfers as sales of receivables. The Receivables Purchase Agreement also contains a provision that allows the Company to increase the limit to $325.The facility limit under the Receivables Purchase Agreement was $250 as of both JuneÂ 30, 2024 and DecemberÂ 31, 2023, of which $250 was drawn as of both JuneÂ 30, 2024 and DecemberÂ 31, 2023. As collateral against the sold receivables, the SPE maintains a certain level of unsold receivables, which were $239 and $197 as of JuneÂ 30, 2024 and DecemberÂ 31, 2023, respectively.The Company sold $317 and $730 of its receivables without recourse and received cash funding under this program during the second quarter and six months ended

JuneÂ 30, 2024, respectively, resulting in derecognition of the receivables from the Companyâ€™s Consolidated Balance Sheet. The Company sold $382 and $719 of its receivables without recourse and received cash funding under the program during the second quarter and six months ended JuneÂ 30, 2023, respectively, resulting in derecognition of the receivables from the Companyâ€™s Consolidated Balance Sheet. Costs associated with the sales of receivables are reflected in the Companyâ€™s Statement of Consolidated Operations for the periods in which the sales occur. Cash receipts from sold receivables under the Receivables Purchase Agreement are presented within operating activities in the Statement of Consolidated Cash Flows.Other Customer Receivable SalesIn the second quarter and six months ended JuneÂ 30, 2024, the Company sold $174 and $345, respectively, of certain customersâ€™ receivables in exchange for cash ($172 was outstanding from customers as of JuneÂ 30, 2024), the proceeds from which are presented in changes in receivables within operating activities in the Statement of Consolidated Cash Flows. In the second quarter and six months ended JuneÂ 30, 2023, the Company sold $151 and $289, respectively, of certain customersâ€™ receivables in exchange for cash, the proceeds from which are presented in changes in receivables within operating activities in the Statement of Consolidated Cash Flows. X - ReferencesNo definition available. + Details Name: us-gaap_ReceivablesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for a transferor's continuing involvement in financial assets that it has transferred in a securitization or asset-backed financing arrangement, the nature of any restrictions on assets reported by an entity in its statement of financial position that relate to a transferred financial asset (including the carrying amounts of such assets), how servicing assets and servicing liabilities are reported, and (for securitization or asset-backed financing arrangements accounted for as sales) when a transferor has continuing involvement with the transferred financial assets and transfers of financial assets accounted for as secured borrowings, how the transfer of financial assets affects an entity's financial position, financial performance, and cash flows. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(11)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 860 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481420/860-30-50-1AReference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 860 -SubTopic 50 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a)(7) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481229/860-50-50-4Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 860 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (b)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481326/860-20-50-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 860 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (b)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481326/860-20-50-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 860 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481326/860-20-50-4Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 860 -SubTopic 50 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481229/860-50-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 860 -SubTopic 50 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a)(4)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481229/860-50-50-3Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 860 -SubTopic 50 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a)(5) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481229/860-50-50-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 860 -SubTopic 50 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481229/860-50-50-2Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 860 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/860/tableOfContentReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 860 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481326/860-20-50-3Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 860 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (cc) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481326/860-20-50-3Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 860 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a)(5)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481326/860-20-50-4Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 860 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481326/860-20-50-4Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 860 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4D -Subparagraph (c)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481326/860-20-50-4DReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 860 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (c)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481420/860-30-50-1AReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 860 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481420/860-30-50-7Reference 19: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 860 -SubTopic 50 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481229/860-50-50-2Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 860 -SubTopic 50 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481229/860-50-50-2Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 860 -SubTopic 50 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481229/860-50-50-4 + Details Name: us-gaap_TransfersAndServicingOfFinancialAssetsTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 29 R19.htm IDEA: XBRL DOCUMENT v3.24.2 Inventories 6 Months Ended Jun. 30, 2024 Inventory Disclosure [Abstract] Â Inventories InventoriesJune 30, 2024December 31, 2023Finished goods$466Â $451Â Work-in-process901Â 891Â Purchased raw materials412Â 355Â Operating supplies69Â 68Â Total inventories$1,848Â $1,765Â As of JuneÂ 30, 2024 and DecemberÂ 31, 2023, the portion of inventories valued on a last-in, first-out (â€œLIFOâ€) basis was $510 and $446, respectively. If valued on an average-cost basis, total inventories would have been $248 and $236 higher as of JuneÂ 30, 2024 and DecemberÂ 31, 2023, respectively. X - ReferencesNo definition available. + Details Name: us-gaap_InventoryDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for inventory. Includes, but is not limited to, the basis of stating inventory, the method of determining inventory cost, the classes of inventory, and the nature of the cost elements included in inventory. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 330 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/330/tableOfContent + Details Name: us-gaap_InventoryDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 30 R20.htm IDEA: XBRL DOCUMENT v3.24.2 Properties, Plants, and Equipment, net 6 Months Ended Jun. 30, 2024 Property, Plant and Equipment [Abstract] Â Properties, Plants, and Equipment, net Properties, Plants, and Equipment, netJune 30, 2024December 31, 2023Land and land rights$83Â $88Â Structures1,022Â 1,018Â Machinery and equipment4,105Â 4,079Â 5,210Â 5,185Â Less: accumulated depreciation and amortization3,140Â 3,081Â 2,070Â 2,104Â Construction work-in-progress237Â 224Â Properties, plants, and equipment, net$2,307Â $2,328Â The Company incurred capital expenditures which remained unpaid as of JuneÂ 30, 2024 and JuneÂ 30, 2023 of $62 and $48, respectively, which will result in cash outflows within investing activities in the Statement of Consolidated Cash Flows in subsequent periods. X - ReferencesNo definition available. + Details Name: us-gaap_PropertyPlantAndEquipmentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for long-lived, physical asset used in normal conduct of business and not intended for resale. Includes, but is not limited to, work of art, historical treasure, and similar asset classified as collections. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/360/tableOfContentReference 2: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 6 -SubTopic 360 -Topic 958 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477798/958-360-50-6Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -SubTopic 360 -Topic 958 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477798/958-360-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 7 -SubTopic 360 -Topic 958 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477798/958-360-50-7 + Details Name: us-gaap_PropertyPlantAndEquipmentDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 31 R21.htm IDEA: XBRL DOCUMENT v3.24.2 Leases 6 Months Ended Jun. 30, 2024 Leases [Abstract] Â Leases LeasesOperating lease cost, which includes short-term leases and variable lease payments and approximates cash paid, was $16 in both the second quarter of 2024 and 2023, and $32 in both the six months ended JuneÂ 30, 2024 and 2023.Operating lease right-of-use assets and lease liabilities in the Consolidated Balance Sheet were as follows:June 30, 2024December 31, 2023Right-of-use assets classified in Other noncurrent assets$157Â $128Â Current portion of lease liabilities classified in Other current liabilities$37Â $32Â Long-term portion of lease liabilities classified in Other noncurrent liabilities and deferred credits121Â 97Â Total lease liabilities$158Â $129Â X - ReferencesNo definition available. + Details Name: us-gaap_LeasesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for operating leases of lessee. Includes, but is not limited to, description of operating lease and maturity analysis of operating lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/842-20/tableOfContent + Details Name: us-gaap_LesseeOperatingLeasesTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 32 R22.htm IDEA: XBRL DOCUMENT v3.24.2 Debt 6 Months Ended Jun. 30, 2024 Debt Disclosure [Abstract] Â Debt DebtJune 30, 2024December 31, 20235.125% Notes, due 2024(1)$205Â $205Â 6.875% Notes, due 2025(2)577Â 600Â USD Term Loan Facility, due 2026200Â 200Â JPY Term Loan Facility, due 2026185Â 211Â 5.900% Notes, due 2027625Â 625Â 6.750% Bonds, due 2028300Â 300Â 3.000% Notes, due 2029700Â 700Â 5.950% Notes, due 2037625Â 625Â 4.750% Iowa Finance Authority Loan, due 2042 250Â 250Â Other, net(3)(8)(10)3,659Â 3,706Â Less: amount due within one year782Â 206Â Total long-term debt$2,877Â $3,500Â Â (1)On July 1, 2024, the Company completed the early redemption of all the remaining outstanding principal amount of $205 of its 5.125% Notes, due in October 2024 (the â€œ5.125% Notesâ€). (2)The 6.875% Notes, due 2025 (the â€œ6.875% Notesâ€) are due in May 2025.(3)Includes unamortized debt discounts and unamortized debt issuance costs related to outstanding notes and bonds listed in the table above and various financing arrangements related to subsidiaries.Public DebtIn January 2023, the Company repurchased approximately $26 aggregate principal amount of the 5.125% Notes through an open market repurchase (â€œOMRâ€). The OMR was settled at slightly less than par value. In March 2023, the Company completed the early partial redemption of an additional $150 aggregate principal amount of the 5.125% Notes in accordance with the terms of the notes, and paid an aggregate of $155, including accrued interest and an early termination premium of approximately $4 and $1, respectively, which were recorded in Interest expense, net, and Loss on debt redemption, respectively, in the Statement of Consolidated Operations.In the second quarter of 2024, the Company repurchased approximately $23 aggregate principal amount of the 6.875% Notes through an OMR. The OMR was settled at slightly more than par value.On July 1, 2024, the Company completed the early redemption of all of the remaining outstanding principal amount of $205 of the 5.125% Notes. The Company redeemed the 5.125% Notes at par value plus accrued interest. The 5.125% Notes were redeemed with cash on hand at an aggregate redemption price of approximately $208, including accrued interest of approximately $3.Term Loan FacilitiesThe Company maintains (i) a U.S. dollar-denominated, senior unsecured term loan facility (the â€œUSD Term Loan Facilityâ€) and (ii) a Japanese yen-denominated, senior unsecured term loan facility (the â€œJPY Term Loan Facilityâ€), each of which matures on November 22, 2026 unless earlier terminated in accordance with the provisions of the applicable term loan agreement. The term loan agreements relating to these facilities contain respective covenants, including, among others, a limitation requiring the ratio of Consolidated Net Debt to Consolidated EBITDA (as defined in the agreements) as of the end of each fiscal quarter for the period of the four fiscal quarters most recently ended, to be less than or equal to 3.75 to 1.00. As of JuneÂ 30, 2024 and DecemberÂ 31, 2023, the Company was in compliance with all covenants under the USD Term Loan Facility and JPY Term Loan Facility. The amounts outstanding under the USD Term Loan Facility were $200 as of JuneÂ 30, 2024 and DecemberÂ 31, 2023. The amounts outstanding under the JPY Term Loan Facility were Â¥29,702 million ($185) and Â¥29,702 million ($211) as of JuneÂ 30, 2024 and DecemberÂ 31, 2023, respectively. The Company has entered into interest rate swaps to exchange the floating interest rates of the USD Term Loan Facility and JPY Term Loan Facility to fixed interest rates of 5.795% and 2.044%, respectively. Credit FacilityThe Company has entered into a Five-Year Revolving Credit Agreement (the â€œCredit Agreementâ€) that provides a $1,000 senior unsecured revolving credit facility that matures on July 27, 2028. The Credit Agreement contains covenants, including, among others, a limitation requiring the ratio of Consolidated Net Debt to Consolidated EBITDA (as defined in the Credit Agreement) as of the end of each fiscal quarter for the period of the four fiscal quarters most recently ended, to be less than or equal to 3.75 to 1.00. As of JuneÂ 30, 2024 and DecemberÂ 31, 2023, the Company was in compliance with all covenants under the Credit Agreement. There were no amounts outstanding under the Credit Agreement as of JuneÂ 30, 2024 or DecemberÂ 31, 2023, and no amounts were borrowed during 2024 or 2023 under the Credit Agreement. Commercial PaperOn April 4, 2024, the Company established a commercial paper program under which the Company may issue unsecured commercial paper notes (â€œcommercial paperâ€) from time to time up to a maximum aggregate face amount of $1,000 outstanding at any time. The maturities of the commercial paper may vary but will not exceed 397 days from the date of issue and will rank equal in right of payment with all other unsecured senior indebtedness of the Company. The proceeds of the commercial paper will be used for general corporate purposes.There were no amounts outstanding under the commercial paper program as of JuneÂ 30, 2024. X - ReferencesNo definition available. + Details Name: us-gaap_DebtDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for information about short-term and long-term debt arrangements, which includes amounts of borrowings under each line of credit, note payable, commercial paper issue, bonds indenture, debenture issue, own-share lending arrangements and any other contractual agreement to repay funds, and about the underlying arrangements, rationale for a classification as long-term, including repayment terms, interest rates, collateral provided, restrictions on use of assets and activities, whether or not in compliance with debt covenants, and other matters important to users of the financial statements, such as the effects of refinancing and noncompliance with debt covenants. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481544/470-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481544/470-10-50-6Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(c)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 10: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 470 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/470/tableOfContentReference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 14:

http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1C -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1CReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1C -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1CReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1C -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1CReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1E -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1EReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1I -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1IReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1I -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1IReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1I -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1I + Details Name: us-gaap_DebtDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 33 R23.htm IDEA: XBRL DOCUMENT v3.24.2 Fair Value of Financial Instruments 6 Months Ended Jun. 30, 2024 Fair Value Disclosures [Abstract] Â Fair Value of Financial Instruments Fair Value of Financial InstrumentsThe carrying values of Cash and cash equivalents, restricted cash, derivatives, noncurrent receivables and Long-term debt due within one year included in the Consolidated Balance Sheet approximate their fair value. The Company holds exchange-traded fixed income securities which are considered available-for-sale securities and are carried at fair value based on quoted market prices. The aforementioned securities are classified in Level 1 of the fair value hierarchy and are included in Other noncurrent assets in the Consolidated Balance Sheet. The fair value of Long-term debt, less amount due within one year, was based on quoted market prices for public debt and on interest rates that are currently available to Howmet for issuance of debt with similar terms and maturities for non-public debt. The fair value amounts for all Long-term debt were classified in LevelÂ 2 of the fair value hierarchy.Â June 30, 2024December 31, 2023Â CarryingvalueFairvalueCarryingvalueFairvalueLong-term debt$2,877Â $2,839Â $3,500Â $3,504Â Restricted cash, which is included in Prepaid expenses and other current assets in the Consolidated Balance Sheet, was less than $1 as of both JuneÂ 30, 2024 and DecemberÂ 31, 2023. X - ReferencesNo definition available. + Details Name: us-gaap_FairValueDisclosuresAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for financial instruments. This disclosure includes, but is not limited to, fair value measurements of short and long term marketable securities, international currencies forward contracts, and auction rate securities. Financial instruments may include hedging and non-hedging currency exchange instruments, derivatives, securitizations and securities available for sale at fair value. Also included are investment results, realized and unrealized gains and losses as well as impairments and risk management disclosures. + ReferencesNo definition available. + Details Name: us-gaap_FinancialInstrumentsDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 34 R24.htm IDEA: XBRL DOCUMENT v3.24.2 Divestiture 6 Months Ended Jun. 30, 2024 Discontinued Operations and Disposal Groups [Abstract] Â Divestiture Divestiture2024 DivestitureOn May 31, 2024, the Company completed the sale of a small manufacturing facility in the U.K. within the Engineered Structures segment, which resulted in a charge of $14 in the second quarter of 2024 that was recorded in Restructuring and other charges in the Statement of Consolidated Operations. The sale remains subject to certain post-closing adjustments. X - ReferencesNo definition available. + Details Name: us-gaap_DiscontinuedOperationsAndDisposalGroupsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for business combinations, including leverage buyout transactions (as applicable), and divestitures. This may include a description of a business combination or divestiture (or series of individually immaterial business combinations or divestitures) completed during the period, including background, timing, and assets and liabilities recognized and reclassified or sold. This element does not include fixed asset sales and plant closings. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 805 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/805/tableOfContentReference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/205-20/tableOfContent + Details Name: us-gaap_MergersAcquisitionsAndDispositionsDisclosuresTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 35 R25.htm IDEA: XBRL DOCUMENT v3.24.2 Contingencies, Commitments and Other Liabilities 6 Months Ended Jun. 30, 2024 Commitments and Contingencies Disclosure [Abstract] Â Contingencies, Commitments and Other Liabilities Contingencies, Commitments and Other LiabilitiesContingenciesThe following information supplements and, as applicable, updates the discussion of the contingencies and commitments in Note U to the Consolidated Financial Statements in our Form 10-K, and should be read in conjunction with the complete descriptions provided in the Form 10-K.Environmental Matters. Howmet participates in environmental assessments and/or cleanups at more than 30 locations. These include owned or operating facilities and adjoining properties, previously owned or operated facilities and adjoining properties, and waste sites, including Superfund (Comprehensive Environmental Response, Compensation and Liability Act (â€œCERCLAâ€)) sites.A liability is recorded for environmental remediation when a cleanup program becomes probable and the costs can be reasonably estimated. As assessments and cleanups proceed, the liability is adjusted based on progress made in determining the extent of remedial actions and related costs. The liability can change substantially due to factors such as the nature and extent of contamination, changes in remedial requirements, and technological changes, among others.The Companyâ€™s remediation reserve balance was $17 as of both JuneÂ 30, 2024 and DecemberÂ 31, 2023, and was recorded in Other noncurrent liabilities and deferred credits in the Consolidated Balance Sheet (of which $7 was classified as a current liability for both periods), and reflects the most probable costs to remediate identified environmental conditions for which costs can be reasonably estimated. Payments related to remediation expenses applied against the reserve were less than $1 and $1 in the second quarter and six months ended JuneÂ 30, 2024, respectively, and included expenditures currently mandated, as well as those not required by any regulatory authority or third party.Included in annual operating expenses are the recurring costs of managing hazardous substances and environmental programs. These costs are estimated to be less than 1% of Cost of goods sold.Tax. In December 2013 and 2014, the Company received audit assessment notices from the French Tax Authority (â€œFTAâ€) for the 2010 through 2012 tax years. In 2016, the Company appealed to the Committee of the Abuse of Tax Law, where it received a favorable nonbinding decision. The FTA disagreed with the Committee of the Abuse of Tax Lawâ€™s opinion, and the Company appealed to the Montreuil Administrative Court, where in 2020 the Company prevailed on the merits. The FTA appealed this decision to the Paris Administrative Court of Appeal in 2021. On March 31, 2023, the Company received an adverse decision from the Paris Administrative Court of Appeal. The Company appealed this decision to the French Administrative Supreme Court. The assessment amount was $17 (â‚¬16 million), including $10 (â‚¬9 million) of tax and interest up through 2017 and $7 (â‚¬7 million) of penalties. The Company estimates additional interest to be $2 (â‚¬2 million). On July 23, 2024, the Company received the French Administrative Supreme Courtâ€™s decision. That decision upheld the assessment of $10 (â‚¬9 million) of tax and interest, while cancelling the penalties of $7 (â‚¬7 million) and remanding the penalty assessment issue to the Paris Administrative Court of Appeal for reexamination. As a result, the Company has no further right to appeal the assessment of tax and interest but will continue to protest the penalties. In 2023, the Company recorded an income tax reserve in Provision for income taxes in the Statement of Consolidated Operations of $21 (â‚¬19 million), which includes tax, estimated interest and penalties, for the 2010 through 2012 tax years, as well as the remaining tax years open for reassessment (2020-2023). In accordance with FTA dispute resolution practices, the Company paid the assessment amount including tax, interest, and penalties, to the FTA in December 2023 and is expecting to pay the additional interest assessment in 2024. The Company also paid the estimated tax related to the 2020-2023 tax years during 2023. No changes were made to the income tax reserve as of June 30, 2024 as a result of the French Administrative Supreme Courtâ€™s decision. Beginning in the third quarter of 2024, the Company will no longer record an uncertain tax position related to the tax and interest assessed. We will continue to record an income tax reserve for penalties determined more than likely to be upheld, until the uncertain tax position is settled. Indemnified Matters. The Separation and Distribution Agreement, dated October 31, 2016, that the Company entered into with Alcoa Corporation in connection with its separation from Alcoa Corporation, provides for cross-indemnities between the Company and Alcoa Corporation for claims subject to indemnification. The Separation and Distribution Agreement, dated March 31, 2020, that the Company entered into with Arconic Corporation in connection with its separation from Arconic Corporation, provides for cross-indemnities between the Company and Arconic Corporation for claims subject to indemnification. Among other claims that are covered by these indemnities, Arconic Corporation indemnifies the Company (previously named Arconic Inc. and, prior to that, Alcoa Inc.) for all potential liabilities associated with the fire that occurred at the Grenfell Tower in London, U.K. on June 14, 2017, including the following legal proceedings, as updated from the Form 10-K: United Kingdom Litigation (various claims on behalf of survivors and estates of decedents). On June 21, 2024, the Company was joined as a party to proceedings initiated by the Royal Borough of Kensington and Chelsea that are currently pending against AAP SAS and Whirlpool. The pending proceedings are stayed until December 10, 2024.With respect to Raul v. Albaugh, et al. (derivative related claim) and the regulatory investigations in the U.K. described in the Form 10-K, there are no updates.Lehman Brothers International (Europe) Legal Proceeding. On June 26, 2020, Lehman Brothers International (Europe) (â€œLBIEâ€) filed proceedings in the High Court of Justice, Business and Property Courts of England and Wales againstâ€¯two subsidiaries of the Company, FR Acquisitions Corporation (Europe) Ltd and JFB Firth Rixson Inc. (collectively, the â€œFirth Rixson Entitiesâ€). The proceedings concerned two interest rate swap transactions that the Firth Rixson Entities entered into with LBIE in 2007 and 2008. On June 15, 2023, the Company, the Firth Rixson Entities, and LBIE reached a full and final settlement of all claims arising out of the LBIE legal proceeding. The settlement provided for a payment of $40: $15 paid in July 2023 and $25 paid in July 2024. Lockheed Martin Corp v. Howmet Aerospace Inc. On November 30, 2023, Lockheed Martin Corporation (â€œLockheed Martinâ€) filed a complaint in federal district court in the Northern District of Texas against the Company and its subsidiary RTI Advanced Forming, Inc. (â€œRTIâ€) as defendants. The complaint alleged that the Company and RTI breached a Master Purchase Order between Lockheed Martin and RTI related to the F-35 Joint Strike Fighter production program between Lockheed Martin and the United States government (the â€œF-35 Programâ€) by seeking a fair market price adjustment for the provision of titanium mill products under RTIâ€™s separate agreements with Lockheed Martinâ€™s subcontractors for the F-35 Program. Following various claims and counterclaims and court-ordered mediation, the parties reached a confidential settlement agreement on April 2, 2024, to supply until December 31, 2026 subject to revised terms mutually agreed to by the parties. The settlement had no material impact on the results of operations in the current year. The parties stipulated to the dismissal of all claims and counterclaims with prejudice on April 2, 2024.Other. In addition to the matters discussed above, various other lawsuits, claims, and proceedings have been or may be instituted or asserted against the Company, including those pertaining to environmental, product liability, safety and health, employment, tax and antitrust matters. While the amounts claimed in these other matters may be substantial, the ultimate liability cannot currently be determined because of the considerable uncertainties that exist. Therefore, it is possible that the Companyâ€™s liquidity or results of operations in a period could be materially affected by one or more of these other matters. However, based on facts currently available, management believes that the disposition of these other matters that are pending or asserted will not have a material adverse effect, individually or in the aggregate, on the results of operations, financial position or cash flows of the Company.CommitmentsGuarantees. As of JuneÂ 30, 2024, Howmet had outstanding bank guarantees related to tax matters, environmental obligations, energy contracts, and customs duties, among others. The total amount committed under these guarantees, which expire at various dates between 2024 and 2027, was $22 as of JuneÂ 30, 2024.Pursuant to the Separation and Distribution Agreement, dated as of October 31, 2016, between Howmet and Alcoa Corporation, Howmet was required to provide certain guarantees for Alcoa Corporation, which were included in Other noncurrent liabilities and deferred credits in the Consolidated Balance Sheet. The remaining guarantee which had a fair value of $6 as of JuneÂ 30, 2024 and DecemberÂ 31, 2023, for which the Company and Arconic Corporation are secondarily liable in the event of a payment default by Alcoa Corporation, relates to a long-term energy supply agreement that expires in 2047 at an Alcoa Corporation facility. The Company currently views the risk of an Alcoa Corporation payment default on its obligations under the contract to be remote. The Company and Arconic Corporation are required to provide a guarantee up to an estimated present value amount of approximately $1,131 as of both JuneÂ 30, 2024 and DecemberÂ 31, 2023 in the event of an Alcoa Corporation default. In December 2023, a surety bond with a limit of $80 relating to this guarantee was obtained by Alcoa Corporation to protect Howmetâ€™s obligation. This surety bond will be renewed on an annual basis by Alcoa Corporation.Letters of Credit. The Company has outstanding letters of credit primarily related to workersâ€™ compensation, environmental obligations, and insurance obligations, among others. The total amount committed under these letters of credit, which automatically renew or expire at various dates, primarily in 2024 and 2025, was $96 as of JuneÂ 30, 2024. Pursuant to the Separation and Distribution Agreements between the Company and Arconic Corporation and between the Company and Alcoa Corporation, the Company is required to retain letters of credit of $52 (which are included in the $96 in the above paragraph) that had previously been provided related to the Company, Arconic Corporation, and Alcoa Corporation workersâ€™ compensation claims that occurred prior to the respective separation transactions of April 1, 2020 and NovemberÂ 1, 2016. Arconic Corporation and Alcoa Corporation workersâ€™ compensation and letters of credit fees paid by the Company are proportionally billed to, and are reimbursed by, Arconic Corporation and Alcoa Corporation, respectively. Also, the Company was required to provide letters of credit for certain Arconic Corporation environmental obligations and, as a result, the Company has $17 of outstanding letters of credit relating to such liabilities (which are also included in the $96 in the above paragraph).Surety Bonds. The Company has outstanding surety bonds primarily related to workersâ€™ compensation, customs duties, environmental-related matters, and contract performance. The total amount committed under these annual surety bonds, which automatically renew or expire at various dates, primarily in 2024 and 2025, was $43 as of JuneÂ 30, 2024.Pursuant to the Separation and Distribution Agreements between the Company and Arconic Corporation and between the Company and Alcoa Corporation, the Company is required to provide surety bonds of $21 (which are included in the $43 in the above paragraph) that had previously been provided related to the Company, Arconic Corporation, and Alcoa Corporation workersâ€™ compensation claims that occurred prior to the respective separation transactions of April 1, 2020 and November 1, 2016. Arconic Corporation and Alcoa Corporation workersâ€™ compensation claims and surety bond fees paid by the Company are proportionately billed to, and are reimbursed by, Arconic Corporation and Alcoa Corporation, respectively.Other LiabilitiesSupplier Financing Arrangements. On January 1, 2023, the Company adopted the changes issued by the FASB related to disclosure requirements of supplier finance program obligations. We offer voluntary supplier finance programs to suppliers who may elect to sell their receivables to third parties at the sole discretion of both the suppliers and the third parties. The program is at no cost to the Company and provides additional liquidity to our suppliers, if they desire, at their cost. Under these programs, the Company pays the third party bank rather than the supplier, the stated amount of the confirmed invoices on the original maturity date of the invoices. The Company or the third party bank may terminate a program upon at least 30 daysâ€™ notice. Supplier invoices under the program require payment in full no more than 120 days of the invoice date. As of JuneÂ 30, 2024 and DecemberÂ 31, 2023, supplier invoices that are subject to future payment under these programs were $287 and $258, respectively, and are included in Accounts payable, trade in the Consolidated Balance Sheet. X - ReferencesNo definition available. + Details Name: us-gaap_CommitmentsAndContingenciesDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for commitments and contingencies. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 405 -SubTopic 30 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/405-30/tableOfContentReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 440 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482648/440-10-50-4Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 450 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/450/tableOfContentReference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 954 -SubTopic 440 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478522/954-440-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 440 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482648/440-10-50-4Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 440 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/440/tableOfContent + Details Name: us-gaap_CommitmentsAndContingenciesDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 36 R26.htm IDEA: XBRL DOCUMENT v3.24.2 Subsequent Events 6 Months Ended Jun. 30, 2024 Subsequent Events [Abstract] Â Subsequent

Events Subsequent EventsManagement evaluated all activity of Howmet and concluded that no subsequent events have occurred that would require recognition in the Consolidated Financial Statements or disclosure in the Notes to the Consolidated Financial Statements, except as noted below:See Note N regarding the early redemption of the remaining outstanding 5.125% Notes.See Note H regarding an increase in share repurchase authorization by the Companyâ€™s Board of Directors.On July 30, 2024, the Companyâ€™s Board of Directors declared a dividend of $0.08 per share on its common stock to be paid on August 26, 2024 to holders of record as of the close of business on August 9, 2024. The quarterly dividend represents a 60% increase from the second quarter 2024 dividend of $0.05 per share. X - ReferencesNo definition available. + Details Name: us-gaap_SubsequentEventsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for significant events or transactions that occurred after the balance sheet date through the date the financial statements were issued or the date the financial statements were available to be issued. Examples include: the sale of a capital stock issue, purchase of a business, settlement of litigation, catastrophic loss, significant foreign exchange rate changes, loans to insiders or affiliates, and transactions not in the ordinary course of business. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 855 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/855/tableOfContentReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 855 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483399/855-10-50-2 + Details Name: us-gaap_SubsequentEventsTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 37 R27.htm IDEA: XBRL DOCUMENT v3.24.2 Basis of Presentation (Policies) 6 Months Ended Jun. 30, 2024 Organization, Consolidation and Presentation of Financial Statements [Abstract] Â Basis of Presentation Basis of PresentationThe interim Consolidated Financial Statements of Howmet Aerospace Inc. and its subsidiaries (â€œHowmetâ€ or the â€œCompanyâ€ or â€œweâ€ or â€œourâ€) are unaudited. These Consolidated Financial Statements include all adjustments, consisting only of normal recurring adjustments, considered necessary by management to fairly state the Companyâ€™s results of operations, financial position, and cash flows. The results reported in these Consolidated Financial Statements are not necessarily indicative of the results that may be expected for the entire year. The 2023 year-end balance sheet data was derived from audited financial statements but does not include all disclosures required by accounting principles generally accepted in the United States of America (â€œGAAPâ€). This Form 10-Q report should be read in conjunction with the Company's Annual Report on Form 10-K for the year ended DecemberÂ 31, 2023 (the â€œForm 10-Kâ€), which includes all disclosures required by GAAP. Certain amounts in previously issued financial statements were reclassified to conform to the current period presentation.In the six months ended JuneÂ 30, 2024, the Company derived approximately 51% of its revenue from products sold to the commercial aerospace market which is less than the pre-pandemic 2019 annual rate of approximately 60%. Aircraft production in the commercial aerospace industry continues to recover based on increases in demand for narrow body and wide body aircraft. We expect commercial aerospace wide body demand to grow faster than narrow body demand on a production percentage basis. Quality control issues at The Boeing Company (â€œBoeingâ€) are expected to negatively impact narrow body and wide body production rates in the near term. For instance, the Federal Aviation Administration stated that it will not approve production rate increases or additional production lines for the Boeing 737 MAX until it is satisfied that Boeing is in full compliance with required quality control procedures. Boeing production levels have a material impact on the financial performance of Howmet. The timing and level of future aircraft builds by original equipment manufacturers are subject to changes and uncertainties, which may cause our future results to differ from prior periods due to changes in product mix in certain segments.The preparation of the Consolidated Financial Statements of the Company in conformity with GAAP requires management to make certain judgments, estimates, and assumptions. These estimates are based on historical experience and, in some cases, assumptions based on current and future market expectations, including considerations relating to changes in the aerospace industry. The impact of these changes, including the macroeconomic considerations, remains highly uncertain. Management has made its best estimates using all relevant information available at the time, but it is possible that our estimates will differ from our actual results and affect the Consolidated Financial Statements in future periods and potentially require adverse adjustments to the recoverability of goodwill, intangible and long-lived assets, the realizability of deferred tax assets and other judgments and estimations and assumptions. Recently Adopted and Recently Issued Accounting Guidance Recently Adopted and Recently Issued Accounting GuidanceAdoptedIn September 2022, the Financial Accounting Standards Board (â€œFASBâ€) issued guidance to enhance the transparency of disclosures regarding supplier finance programs (See Note Q). These changes became effective for fiscal years beginning after December 15, 2022, including interim periods within those fiscal years, except for the amendment on rollforward information, which is effective for fiscal years beginning after December 15, 2023.IssuedIn December 2023, the FASB issued guidance to enhance the transparency of income tax disclosures including additional details on the rate reconciliation and taxes paid by jurisdiction. These changes become effective for fiscal years beginning after December 15, 2024. Management is currently evaluating the impact of these changes on the Consolidated Financial Statements.In November 2023, the FASB issued guidance to enhance disclosures related to significant segment expenses and other matters related to reportable segments. These changes become effective for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024. Management is currently evaluating the impact of these changes on the Consolidated Financial Statements. Earnings Per Share Basic earnings per share (â€œEPSâ€) amounts are computed by dividing earnings, after the deduction of preferred stock dividends declared, by the average number of common shares outstanding. Diluted EPS amounts assume the issuance of common stock for all potentially dilutive share equivalents outstanding. X - DefinitionDisclosure of accounting policy for basis of accounting, or basis of presentation, used to prepare the financial statements (for example, US Generally Accepted Accounting Principles, Other Comprehensive Basis of Accounting, IFRS). + ReferencesNo definition available. + Details Name: us-gaap_BasisOfAccountingPolicyPolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for computing basic and diluted earnings or loss per share for each class of common stock and participating security. Addresses all significant policy factors, including any antidilutive items that have been excluded from the computation and takes into account stock dividends, splits and reverse splits that occur after the balance sheet date of the latest reporting period but before the issuance of the financial statements. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 260 -SubTopic 10 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 260 -SubTopic 10 -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-2 + Details Name: us-gaap_EarningsPerSharePolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy pertaining to new accounting pronouncements that may impact the entity's financial reporting. Includes, but is not limited to, quantification of the expected or actual impact. + ReferencesNo definition available. + Details Name: us-gaap_NewAccountingPronouncementsPolicyPolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_OrganizationConsolidationAndPresentationOfFinancialStatementsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 38 R28.htm IDEA: XBRL DOCUMENT v3.24.2 Segment Information (Tables) 6 Months Ended Jun. 30, 2024 Segment Reporting [Abstract] Â Schedule of Operating Results by Reportable Segments The operating results of the Companyâ€™s reportable segments were as follows:Engine ProductsFastening SystemsEngineered StructuresForged WheelsTotalSegmentSecond quarter ended June 30, 2024Sales:Third-party sales$933Â $394Â $275Â $278Â $1,880Â Inter-segment sales1Â â€”Â 3Â â€”Â 4Â Total sales$934Â $394Â $278Â $278Â $1,884Â Profit and loss:Provision for depreciation and amortization$33Â $13Â $11Â $10Â $67Â Segment Adjusted EBITDA292Â 101Â 40Â 75Â 508Â Restructuring and other (credits) charges(1)2Â 14Â â€”Â 15Â Capital expenditures33Â 5Â 5Â 9Â 52Â Second quarter ended June 30, 2023Sales:Third-party sales$821Â $329Â $200Â $298Â $1,648Â Inter-segment sales5Â â€”Â 1Â â€”Â 6Â Total sales$826Â $329Â $201Â $298Â $1,654Â Profit and loss:Provision for depreciation and amortization$32Â $12Â $12Â $10Â $66Â Segment Adjusted EBITDA223Â 64Â 20Â 81Â 388Â Restructuring and other (credits) charges(1)â€”Â 5Â â€”Â 4Â Capital expenditures21Â 5Â 5Â 7Â 38Â Engine ProductsFastening SystemsEngineered StructuresForged WheelsTotalSegmentSix months ended June 30, 2024Sales:Third-party sales$1,818Â $783Â $537Â $566Â $3,704Â Inter-segment sales3Â â€”Â 4Â â€”Â 7Â Total sales$1,821Â $783Â $541Â $566Â $3,711Â Profit and loss:Provision for depreciation and amortization$66Â $24Â $22Â $20Â $132Â Segment Adjusted EBITDA541Â 193Â 77Â 157Â 968Â Restructuring and other (credits) charges(1)2Â 14Â â€”Â 15Â Capital expenditures88Â 12Â 11Â 21Â 132Â Six months ended June 30, 2023Sales:Third-party sales$1,616Â $641Â $407Â $587Â $3,251Â Inter-segment sales7Â â€”Â 1Â â€”Â 8Â Total sales$1,623Â $641Â $408Â $587Â $3,259Â Profit and loss:Provision for depreciation and amortization$64Â $23Â $24Â $19Â $130Â Segment Adjusted EBITDA435Â 122Â 50Â 160Â 767Â Restructuring and other (credits) charges(1)â€”Â 6Â â€”Â 5Â Capital expenditures54Â 14Â 15Â 16Â 99Â Schedule of Segment Reporting Information to Consolidated Income Before Income Taxes The following table reconciles Total Segment Adjusted EBITDA to Income before income taxes. Differences between the total segment and consolidated totals are in Corporate.Second quarter endedSix months endedJune 30,June 30,20242023320242023Total Segment Adjusted EBITDA$508Â $388Â $968Â $767Â Segment provision for depreciation and amortization(67)(66)(132)(130)Unallocated amounts:Restructuring and other charges(22)(3)(22)(4)Corporate expense(21)(34)(47)(63)Operating income$398Â $285Â $767Â $570Â Loss on debt redemptionâ€”Â â€”Â â€”Â (1)Interest expense, net(49)(55)(98)(112)Other (expense) income, net(15)13Â (32)6Â Income before income taxes$334Â $243Â $637Â $463Â Schedule of Reconciliation of Capital Expenditures from Segments to Consolidated Cash Flows The following table reconciles total segment capital expenditures with Capital expenditures as presented in the Statement of Consolidated Cash Flows.Second quarter endedSix months endedJune 30,June 30,2024202320242023Total segment capital expenditures$52Â $38Â $132Â $99Â Corporate3Â 3Â 5Â 6Â Capital expenditures$55Â $41Â $137Â $105Â Schedule of Disaggregation of Revenue by Major End Market Served The following table disaggregates segment revenue by major market served. Differences between the total segment and consolidated totals are in Corporate.Engine ProductsFastening SystemsEngineered StructuresForged WheelsTotalSegmentSecond quarter ended June 30, 2024Aerospace - Commercial$528Â $251Â $200Â $â€”Â $979Â Aerospace - Defense 192Â 37Â 61Â â€”Â 290Â Commercial Transportationâ€”Â 68Â â€”Â 278Â 346Â Industrial and Other213Â 38Â 14Â â€”Â 265Â Total end-market revenue$933Â $394Â $275Â $278Â $1,880Â Second quarter ended June 30, 2023Aerospace - Commercial$446Â $184Â $141Â $â€”Â $771Â Aerospace - Defense 174Â 46Â 42Â â€”Â 262Â Commercial Transportationâ€”Â 62Â â€”Â 298Â 360Â Industrial and Other201Â 37Â 17Â â€”Â 255Â Total end-market revenue$821Â $329Â $200Â $298Â $1,648Â Six months ended June 30, 2024Aerospace - Commercial$1,020Â $495Â $392Â $â€”Â $1,907Â Aerospace - Defense 377Â 76Â 117Â â€”Â 570Â Commercial Transportationâ€”Â 134Â â€”Â 566Â 700Â Industrial and Other421Â 78Â 28Â â€”Â 527Â Total end-market revenue$1,818Â $783Â $537Â $566Â $3,704Â Six months ended June 30, 2023Aerospace - Commercial$878Â $354Â $293Â $â€”Â $1,525Â Aerospace - Defense 337Â 90Â 86Â â€”Â 513Â Commercial Transportationâ€”Â 125Â â€”Â 587Â 712Â Industrial and Other401Â 72Â 28Â â€”Â 501Â Total end-market revenue$1,616Â $641Â $407Â $587Â $3,251Â X - DefinitionReconciliation of Capital Expenditures From Segments To Consolidated + ReferencesNo definition available. + Details Name: hwm_ReconciliationOfCapitalExpendituresFromSegmentsToConsolidatedTableTextBlock Namespace Prefix: hwm_ Data Type: dtr-types1:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of disaggregation of revenue into categories depicting how nature, amount, timing, and uncertainty of revenue and cash flows are affected by economic factor. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-5 + Details Name: us-gaap_DisaggregationOfRevenueTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the reconciliation of profit (loss) from reportable segments to the consolidated income (loss) before income tax expense (benefit) and discontinued operations. Includes, but is not limited to, reconciliation after income tax if income tax is allocated to the reportable segment. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 280 -SubTopic 10 -Section 50 -Paragraph 31 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-31Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 280 -SubTopic 10 -Section 50 -Paragraph 30 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30 + Details Name: us-gaap_ReconciliationOfOperatingProfitLossFromSegmentsToConsolidatedTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the profit or loss and total assets for each reportable segment. An entity discloses certain information on each reportable segment if the amounts (a) are included in the measure of segment profit or loss reviewed by the chief operating decision maker or (b) are otherwise regularly provided to the chief operating decision maker, even if not included in that measure of segment profit or loss. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 280 -SubTopic 10 -Section 50 -Paragraph 25 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-25Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 280 -SubTopic 10 -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 280 -SubTopic 10 -Section 50 -Paragraph 30 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30 + Details Name: us-gaap_ScheduleOfSegmentReportingInformationBySegmentTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_SegmentReportingAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 39 R29.htm IDEA: XBRL DOCUMENT v3.24.2 Restructuring and Other Charges (Tables) 6 Months Ended Jun. 30, 2024 Restructuring and Related Activities [Abstract] Â Schedule of Restructuring and Other Charges Second quarter endedSix months endedJune 30,June 30,20242023320242023Layoff costs$7Â $â€”Â $7Â $â€”Â Reversals of previously recorded layoff reserves$â€”Â $â€”Â â€”Â (1)Pension and Other post-retirement benefits - net settlements (E)â€”Â 3Â â€”Â 3Â Net loss related to divestitures of assets and businesses (P)14Â â€”Â 13Â â€”Â Other1Â â€”Â 2Â 2Â Total restructuring and other charges$22Â $3Â $22Â $4Â Schedule of Activity and Reserve Balances for Restructuring Charges Layoff costsOtherÂ exit costsTotalReserve balances at December 31, 2023$5Â $2Â $7Â Cash payments(2)(1)(3)Restructuring charges7Â 15Â 22Â Other(1)â€”Â (14)(14)Reserve balances at June 30, 2024$10Â $2Â $12Â (1)In the second quarter of 2024, other for other exit costs included a loss of $14 on the sale of a small U.K. manufacturing facility. X - ReferencesNo definition available. + Details Name: us-gaap_RestructuringAndRelatedActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of costs incurred for restructuring including, but not limited to, exit and disposal activities, remediation, implementation, integration, asset impairment, and charges against earnings from the write-down of assets. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 5.P.3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.P.4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-2Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 420 -SubTopic 10 -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1 + Details Name: us-gaap_ScheduleOfRestructuringAndRelatedCostsTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of an entity's restructuring reserve that occurred during the period associated with the exit from or disposal of business activities or restructurings for each major type of cost. This element may also include a description of any reversal and other adjustment made during the period to the amount of an accrued liability for restructuring activities. This element may be used to encapsulate the roll forward presentations of an entity's restructuring reserve by type of cost and in total, and explanation of changes that occurred in the period. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.P.4.b.2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 420 -SubTopic 10 -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1 + Details Name: us-gaap_ScheduleOfRestructuringReserveByTypeOfCostTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 40 R30.htm IDEA: XBRL DOCUMENT v3.24.2 Pension and Other Postretirement Benefits (Tables) 6 Months Ended Jun.

30, 2024 Retirement Benefits [Abstract] Â Schedule of Components of Net Periodic Cost (Benefit) The components of net periodic cost (benefit) were as follows:Second quarter endedSix months endedÂ June 30,June 30,20242023202420232024Pension benefitsService cost$â€”Â $1Â $1Â $2Â Interest cost19Â 20Â 38Â 40Â Expected return on plan assets(17)(18)(35)(37)Recognized net actuarial loss8Â 7Â 16Â 14Â Settlementsâ€”Â 3Â â€”Â 3Â Net periodic cost(1)$10Â $13Â $20Â $22Â Other postretirement benefitsÂ Â Â Â Service cost$â€”Â $â€”Â $â€”Â $â€”Â Interest cost2Â 1Â 3Â 3Â Recognized net actuarial gainâ€”Â â€”Â (1)(1)Amortization of prior service benefit(3)(2)(5)(4)Net periodic benefit(1)(1)(1)(3)(2)Â (1)Service cost was included within Cost of goods sold and Selling, general administrative, and other expenses; settlements were included in Restructuring and other charges; all other cost components were recorded in Other expense (income), net in the Statement of Consolidated Operations. X - ReferencesNo definition available. + Details Name: us-gaap_CompensationAndRetirementDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the components of net benefit costs for pension plans and/or other employee benefit plans including service cost, interest cost, expected return on plan assets, gain (loss), prior service cost or credit, transition asset or obligation, and gain (loss) recognized due to settlements or curtailments. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 715 -SubTopic 20 -Subparagraph (h) -Name Accounting Standards Codification -Paragraph 1 -Section 50 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1 + Details Name: us-gaap_ScheduleOfNetBenefitCostsTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 41 R31.htm IDEA: XBRL DOCUMENT v3.24.2 Other Expense (Income), Net (Tables) 6 Months Ended Jun. 30, 2024 Other Income and Expenses [Abstract] Â Schedule of Other Expense (Income), Net Second quarter endedSix months endedÂ June 30,June 30,20242023202420232024Non-service costs - pension and other postretirement benefits (E)$9Â $8Â $16Â $15Â Interest income(6)(5)(11)(10)Foreign currency losses (gains), net4Â â€”Â 7Â (2)Net realized and unrealized losses6Â 7Â 13Â 11Â Deferred compensation3Â 3Â 8Â 6Â Other, net(1)(26)(1)(26)Total other expense (income), net$15Â (13)32Â $(6) X - ReferencesNo definition available. + Details Name: us-gaap_OtherIncomeAndExpensesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the components of non-operating income or non-operating expense that may include amounts earned from dividends, interest on securities, gains (losses) on securities sold, equity earnings of unconsolidated affiliates, net gain (loss) on sales of business, interest expense and other miscellaneous income or expense items. + ReferencesNo definition available. + Details Name: us-gaap_ScheduleOfOtherNonoperatingIncomeExpenseTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 42 R32.htm IDEA: XBRL DOCUMENT v3.24.2 Income Taxes (Tables) 6 Months Ended Jun. 30, 2024 Income Tax Disclosure [Abstract] Â Schedule of Income Tax Provisions The tax provision was comprised of the following:Second quarter endedSix months endedÂ June 30,June 30,Â 20242023202420232024Pre-tax income at estimated annual effective income tax rate before discrete items$72Â $56Â $138Â $107Â Interim period treatment of operational losses in foreign jurisdictions for which no tax benefit is recognized1Â 1Â 2Â 1Â Tax reserve (Q)â€”Â â€”Â â€”Â 20Â Other discrete items(5)(7)(12)(6)Provision for income taxes$68Â $50Â $128Â $122Â X - ReferencesNo definition available. + Details Name: us-gaap_IncomeTaxDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the components of income tax expense attributable to continuing operations for each year presented including, but not limited to: current tax expense (benefit), deferred tax expense (benefit), investment tax credits, government grants, the benefits of operating loss carryforwards, tax expense that results from allocating certain tax benefits either directly to contributed capital or to reduce goodwill or other noncurrent intangible assets of an acquired entity, adjustments of a deferred tax liability or asset for enacted changes in tax laws or rates or a change in the tax status of the entity, and adjustments of the beginning-of-the-year balances of a valuation allowance because of a change in circumstances that causes a change in judgment about the realizability of the related deferred tax asset in future years. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-9 + Details Name: us-gaap_ScheduleOfComponentsOfIncomeTaxExpenseBenefitTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 43 R33.htm IDEA: XBRL DOCUMENT v3.24.2 Earnings Per Share and Common Stock (Tables) 6 Months Ended Jun. 30, 2024 Earnings Per Share [Abstract] Â Schedule of Reconciliation of Information Used to Compute Basic and Diluted EPS The information used to compute basic and diluted EPS attributable to Howmet common shareholders was as follows (shares in millions in the table below):Second quarter endedSix months endedÂ June 30,June 30,Â 20242023202420232024Net income$266Â $193Â $509Â $341Â Less: preserved stock dividends declaredâ€”Â â€”Â 1Â 1Â Net income available to Howmet Aerospace common shareholders - basic and diluted$266Â $193Â $508Â $340Â Average shares outstanding - basic408Â 413Â 409Â 413Â Effect of dilutive securities:Stock and performance awards3Â 4Â 2Â 4Â Average shares outstanding - diluted411Â 417Â 411Â 417Â Schedule of Accelerated Share Repurchases The following table provides details for share repurchases made for the periods presented:Number of sharesAverage price per share(1)TotalQ1 2024 open market repurchase2,243,259Â $66.87Â $150Â Q2 2024 open market repurchase734,737Â $81.66Â $60Â 2024 Share repurchases as of JuneÂ 30, 20242,977,996Â $70.52Â $210Â Q1 2023 open market repurchase576,629Â $43.36Â $25Â Q2 2023 open market repurchase2,246,294Â $44.52Â $100Â 2023 Share repurchases as of JuneÂ 30, 20232,822,923Â $44.28Â $125Â (1)Excludes commissions cost. X - DefinitionTabular disclosure of accelerated share repurchase (ASR) programs. An ASR is a combination of transactions that permits an entity to purchase a targeted number of shares immediately with the final purchase price of those shares determined by an average market price over a fixed period of time. An accelerated share repurchase program is intended to combine the immediate share retirement benefits of a tender offer with the market impact and pricing benefits of a disciplined daily open market stock repurchase program. ASRs can be disclosed as part of stockholders' equity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 30 -Name Accounting Standards Codification -Section 25 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481138/505-30-25-5 + Details Name: us-gaap_AcceleratedShareRepurchasesTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_EarningsPerShareAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of an entity's basic and diluted earnings per share calculations, including a reconciliation of numerators and denominators of the basic and diluted per-share computations for income from continuing operations. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1 + Details Name: us-gaap_ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 44 R34.htm IDEA: XBRL DOCUMENT v3.24.2 Accumulated Other Comprehensive Loss (Tables) 6 Months Ended Jun. 30, 2024 Equity [Abstract] Â Schedule of Changes in Accumulated Other Comprehensive Loss by Component The following table details the activity of the three components that comprise Accumulated other comprehensive loss:Second quarter endedSix months endedJune 30,June 30,20242023202420232024Pension and other postretirement benefits (E)Balance at beginning of period(686)(648)(689)(653)Other comprehensive income (loss):Unrecognized net actuarial loss and prior service cost/benefitâ€”Â (3)(1)â€”Â Tax benefitâ€”Â 1Â â€”Â â€”Â Total Other comprehensive loss before reclassifications, net of taxâ€”Â (2)(1)â€”Â Amortization of net actuarial loss and prior service benefit(1)5Â 8Â 10Â 12Â Tax expense(2)(1)(2)(2)(3)Total amount reclassified from Accumulated other comprehensive income, net of tax(3)4Â 6Â 8Â 9Â Total Other comprehensive income4Â 4Â 7Â 9Â Balance at end of period(682)(644)(682)(644)Foreign currency translationBalance at beginning of period$(1,173)$(1,159)$(1,136)$(1,193)Other comprehensive (loss) income(4)(4)4Â (41)38Â Balance at end of period$(1,177)$(1,155)$(1,177)$(1,155)Cash flow hedgesBalance at beginning of period(2)1Â (5)5Â Other comprehensive (loss) income:Net change from periodic revaluations4Â (10)3Â (14)Tax (expense) benefit(1)2Â (1)3Â Total Other comprehensive income (loss) before reclassifications, net of tax3Â (8)2Â (11)Net amount reclassified to earningsâ€”Â (3)5Â (4)Tax benefit (expense)(2)â€”Â 1Â (1)1Â Total amount reclassified from Accumulated other comprehensive (loss) income, net of tax(3)â€”Â (2)4Â (3)Total Other comprehensive income (loss)3Â (10)6Â (14)Balance at end of period$1Â (9)1Â $(9)Accumulated other comprehensive loss$(1,858)$(1,808)$(1,858)$(1,808)(1)These amounts were recorded in Restructuring and other charges (See Note D) and Other expense (income), net (See Note F) in the Statement of Consolidated Operations.(2)These amounts were included in Provision for income taxes (See Note G) in the Statement of Consolidated Operations.(3)A positive amount indicates a corresponding charge to earnings and a negative amount indicates a corresponding benefit to earnings.(4)In all periods presented, no amounts were reclassified to earnings. X - ReferencesNo definition available. + Details Name: us-gaap_EquityAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the components of accumulated other comprehensive income (loss). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 220 -SubTopic 10 -Section 45 -Paragraph 14A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-14AReference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481674/830-30-50-1Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 20 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481694/830-30-45-20 + Details Name: us-gaap_ScheduleOfAccumulatedOtherComprehensiveIncomeLossTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 45 R35.htm IDEA: XBRL DOCUMENT v3.24.2 Inventories (Tables) 6 Months Ended Jun. 30, 2024 Inventory Disclosure [Abstract] Â Schedule of Inventories Components June 30, 2024December 31, 2023Finished goods$466Â $451Â Work-in-process901Â 891Â Purchased raw materials412Â 355Â Operating supplies69Â 68Â Total inventories$1,848Â $1,765Â X - ReferencesNo definition available. + Details Name: us-gaap_InventoryDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the carrying amount as of the balance sheet date of merchandise, goods, commodities, or supplies held for future sale or to be used in manufacturing, servicing or production process. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(c)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 210 -SubTopic 10 -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483489/210-10-50-1 + Details Name: us-gaap_ScheduleOfInventoryCurrentTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 46 R36.htm IDEA: XBRL DOCUMENT v3.24.2 Properties, Plants, and Equipment, net (Tables) 6 Months Ended Jun. 30, 2024 Property, Plant and Equipment [Abstract] Â Schedule of Properties, Plants, and Equipment, Net June 30, 2024December 31, 2023Land and land rights$83Â $88Â Structures1,022Â 1,018Â Machinery and equipment4,105Â 4,079Â 5,210Â 5,185Â Less: accumulated depreciation and amortization3,140Â 3,081Â 2,070Â 2,104Â Construction work-in-progress237Â 224Â Properties, plants, and equipment, net$2,307Â $2,328Â X - ReferencesNo definition available. + Details Name: us-gaap_PropertyPlantAndEquipmentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of physical assets used in the normal conduct of business and not intended for resale. Includes, but is not limited to, balances by class of assets, depreciation and depletion expense and method used, including composite depreciation, and accumulated deprecation. + ReferencesReference 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/1943274/2147482099/360-10-50-1 + Details Name: us-gaap_PropertyPlantAndEquipmentTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 47 R37.htm IDEA: XBRL DOCUMENT v3.24.2 Leases (Tables) 6 Months Ended Jun. 30, 2024 Leases [Abstract] Â Schedule of Supplemental Balance Sheet Information Related to Leases Operating lease right-of-use assets and lease liabilities in the Consolidated Balance Sheet were as follows:June 30, 2024December 31, 2023Right-of-use assets classified in Other noncurrent assets$157Â $128Â Current portion of lease liabilities classified in Other current liabilities$37Â $32Â Long-term portion of lease liabilities classified in Other noncurrent liabilities and deferred credits121Â 97Â Total lease liabilities$158Â $129Â X - DefinitionAssets And Liabilities, Lessee [Table Text Block] + ReferencesNo definition available. + Details Name: hwm_AssetsAndLiabilitiesLesseeTableTextBlock Namespace Prefix: hwm_ Data Type: dtr-types1:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_LeasesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 48 R38.htm IDEA: XBRL DOCUMENT v3.24.2 Debt (Tables) 6 Months Ended Jun. 30, 2024 Debt Disclosure [Abstract] Â Schedule of Long-Term Debt June 30, 2024December 31, 20235.125% Notes, due 2024(1)$205Â $205Â 6.875% Notes, due 2025(2)577Â 600Â USD Term Loan Facility, due 2026200Â 200Â JPY Term Loan Facility, due 2026185Â 211Â 5.900% Notes, due 2027625Â 625Â 6.750% Bonds, due 2028300Â 300Â 3.000% Notes, due 2029700Â 700Â 5.950% Notes, due 2037625Â 625Â 4.750% Iowa Finance Authority Loan, due 2042 250Â 250Â Other, net(3)(8)(10)3,659Â 3,706Â Less: amount due within one year782Â 206Â Total long-term debt$2,877Â $3,500Â Â (1)On July 1, 2024, the Company completed the early redemption of all the remaining outstanding principal amount of $205 of its 5.125% Notes, due in October 2024 (the â€œ5.125% Notesâ€). (2)The 6.875% Notes, due 2025 (the â€œ6.875% Notesâ€) are due in May 2025.(3)Includes unamortized debt discounts and unamortized debt issuance costs related to outstanding notes and bonds listed in the table above and various financing arrangements related to subsidiaries. X - ReferencesNo definition available. + Details Name: us-gaap_DebtDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of information pertaining to short-term and long-debt instruments or arrangements, including but not limited to identification of terms, features, collateral requirements and other information necessary to a fair presentation. + ReferencesNo definition available. + Details Name: us-gaap_ScheduleOfDebtTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 49 R39.htm IDEA: XBRL DOCUMENT v3.24.2 Fair Value of Financial Instruments (Tables) 6 Months Ended Jun. 30, 2024 Fair Value Disclosures [Abstract] Â Schedule of Carrying Values and Fair Values of Financial Instruments Â June 30, 2024December 31, 2023Â CarryingvalueFairvalueCarryingvalueFairvalueLong-term debt$2,877Â $2,839Â $3,500Â $3,504Â X - DefinitionTabular disclosure of the fair value of financial instruments, including financial assets and financial liabilities, and the measurements of those instruments, assets, and liabilities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 825 -SubTopic 10 -Section 50 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-11 + Details Name: us-gaap_FairValueByBalanceSheetGroupingTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_FairValueDisclosuresAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 50 R40.htm IDEA: XBRL DOCUMENT v3.24.2 Basis of Presentation (Details) 6 Months Ended 12 Months Ended Jun. 30, 2024 Dec. 31, 2018 Aerospace - Commercial | Revenue Benchmark | Customer Concentration Risk Â Â Concentration Risk [Line Items] Â Â Concentration risk (as a percent) 51.00% 60.00% X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 954 -SubTopic 310 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478785/954-310-50-2 + Details Name: us-gaap_ConcentrationRiskLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionFor an entity that discloses a concentration risk in relation to quantitative amount, which serves as the "benchmark" (or denominator) in the equation, this concept represents the concentration percentage derived from the division. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 825 -SubTopic 10 -Section 50 -Paragraph 21 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-21Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 825 -SubTopic 10 -Section 50 -Paragraph 20 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-20Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 18 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-18Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -

Topic 275 -SubTopic 10 -Section 50 -Paragraph 20 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-20 + Details Name: us-gaap_ConcentrationRiskPercentage1 Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - Details Name: srt_ProductOrServiceAxis=hwm_AerospaceCommercialMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ConcentrationRiskByBenchmarkAxis=us-gaap_SalesRevenueNetMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ConcentrationRiskByTypeAxis=us-gaap_CustomerConcentrationRiskMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 51 R41.htm IDEA: XBRL DOCUMENT v3.24.2 Segment Information - Narrative (Details) - segment 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Segment Reporting Information [Line Items] Â Â Number of reportable segments 4 Â Revenue Benchmark | Customer Concentration Risk | General Electric Company Â Â Segment Reporting Information [Line Items] Â Â Concentration risk (as a percent) 10.00% 13.00% Revenue Benchmark | Customer Concentration Risk | RTX Corporation Â Â Segment Reporting Information [Line Items] Â Â Concentration risk (as a percent) 10.00% 10.00% Revenue Benchmark | Customer Concentration Risk | Aerospace Â Â Segment Reporting Information [Line Items] Â Â Concentration risk (as a percent) 67.00% 63.00% X - DefinitionFor an entity that discloses a concentration risk in relation to quantitative amount, which serves as the "benchmark" (or denominator) in the equation, this concept represents the concentration percentage derived from the division. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 825 -SubTopic 10 -Section 50 -Paragraph 21 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-21Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 825 -SubTopic 10 -Section 50 -Paragraph 20 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-20Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 18 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-18Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 20 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-20 + Details Name: us-gaap_ConcentrationRiskPercentage1 Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionNumber of segments reported by the entity. A reportable segment is a component of an entity for which there is an accounting requirement to report separate financial information on that component in the entity's financial statements. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 47 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-47Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 54 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-54Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-18 + Details Name: us-gaap_NumberOfReportableSegments Namespace Prefix: us-gaap_ Data Type: xbrli:integerItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_SegmentReportingInformationLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_ConcentrationRiskByBenchmarkAxis=us-gaap_SalesRevenueNetMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ConcentrationRiskByTypeAxis=us-gaap_CustomerConcentrationRiskMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_MajorCustomersAxis=hwm_GeneralElectricCompanyMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_MajorCustomersAxis=hwm_RTXCorporationMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=hwm_AerospaceMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 52 R42.htm IDEA: XBRL DOCUMENT v3.24.2 Segment Information - Operating Results of Reportable Segments (Details) - USD ($) $ in Millions 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Segment Reporting Information [Line Items] Â Â Â Â Sales $ 1,880 $ 1,648 $ 3,704 $ 3,251 Provision for depreciation and amortization 69 67 136 136 Restructuring and other (credits) charges 22 3 22 4 Capital expenditures 55 41 137 105 Third-party sales Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Sales 1,880 1,648 3,704 3,251 Third-party sales | Engine Products Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Sales 933 821 1,818 1,616 Third-party sales | Fastening Systems Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Sales 394 329 783 641 Third-party sales | Engineered Structures Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Sales 275 200 537 407 Third-party sales | Forged Wheels Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Sales 278 298 566 587 Inter-segment sales Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Sales 4 6 7 8 Inter-segment sales | Engine Products Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Sales 1 5 3 7 Inter-segment sales | Fastening Systems Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Sales 0 0 0 0 Inter-segment sales | Engineered Structures Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Sales 3 1 4 1 Inter-segment sales | Forged Wheels Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Sales 0 0 0 0 Total segment Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Sales 1,884 1,654 3,711 3,259 Provision for depreciation and amortization 67 66 132 130 Segment Adjusted EBITDA 508 388 968 767 Restructuring and other (credits) charges 15 4 15 5 Capital expenditures 52 38 132 99 Total segment | Engine Products Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Sales 934 826 1,821 1,623 Provision for depreciation and amortization 33 32 66 64 Segment Adjusted EBITDA 292 223 541 435 Restructuring and other (credits) charges (1) (1) (1) (1) Capital expenditures 33 21 88 54 Total segment | Fastening Systems Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Sales 394 329 783 641 Provision for depreciation and amortization 13 12 24 23 Segment Adjusted EBITDA 101 64 193 122 Restructuring and other (credits) charges 2 0 2 0 Capital expenditures 5 5 12 14 Total segment | Engineered Structures Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Sales 278 201 541 408 Provision for depreciation and amortization 11 12 22 24 Segment Adjusted EBITDA 40 20 77 50 Restructuring and other (credits) charges 14 5 14 6 Capital expenditures 5 5 11 15 Total segment | Forged Wheels Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Sales 278 298 566 587 Provision for depreciation and amortization 10 10 20 19 Segment Adjusted EBITDA 75 81 157 160 Restructuring and other (credits) charges 0 0 0 0 Capital expenditures $ 9 $ 7 $ 21 $ 16 X - DefinitionSegment Adjusted EBITDA + ReferencesNo definition available. + Details Name: hwm_SegmentAdjustedEBITDA Namespace Prefix: hwm_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe current period expense charged against earnings on long-lived, physical assets not used in production, and which are not intended for resale, to allocate or recognize the cost of such assets over their useful lives; or to record the reduction in book value of an intangible asset over the benefit period of such asset; or to reflect consumption during the period of an asset that is not used in production. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 360 -SubTopic 10 -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1 + Details Name: us-gaap_DepreciationAndAmortization Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount, after cash payment, of expenses associated with exit or disposal activities pursuant to an authorized plan and expenses resulting from the write-down of assets. Excludes expenses related to a business combination, a discontinued operation or an asset retirement obligation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_RestructuringCostsAndAssetImpairmentCharges Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount, 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. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 41 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-41Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 4: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 924 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 11.L) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479941/924-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-5Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-40Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-4 + Details Name: us-gaap_RevenueFromContractWithCustomerExcludingAssessedTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of expenditure for addition to long-lived assets included in determination of segment assets by chief operating decision maker (CODM) or otherwise regularly provided to CODM. Excludes expenditure for addition to financial instrument, long-term customer relationship of financial institution, mortgage and other servicing rights, deferred policy acquisition cost, and deferred tax assets. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 25 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-25 + Details Name: us-gaap_SegmentExpenditureAdditionToLongLivedAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_SegmentReportingInformationLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: srt_ConsolidationItemsAxis=hwm_OperatingSegmentsAndCorporateNonSegmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=hwm_EngineProductsSegmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=hwm_FasteningSystemsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=hwm_StructureSystemsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=hwm_WheelSystemsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ConsolidationItemsAxis=us-gaap_IntersegmentEliminationMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ConsolidationItemsAxis=us-gaap_OperatingSegmentsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 53 R43.htm IDEA: XBRL DOCUMENT v3.24.2 Segment Information - Segment Operating Profit to Consolidated Income before Income Taxes (Details) - USD ($) $ in Millions 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Segment Reporting Information [Line Items] Â Â Â Â Total Segment Adjusted EBITDA $ 398 $ 285 $ 767 $ 570 Loss on debt redemption 0 0 0 (1) Interest expense, net (49) (55) (98) (112) Other (expense) income, net (15) 13 (32) 6 Income before income taxes 334 243 637 463 Total segment Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Total Segment Adjusted EBITDA 508 388 968 767 Segment provision for depreciation and amortization (67) (66) (132) (130) Restructuring and other charges Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Total Segment Adjusted EBITDA (22) (3) (22) (4) Corporate expense Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Total Segment Adjusted EBITDA $ (21) $ (34) $ (47) $ (63) X - DefinitionDifference between the fair value of payments made and the carrying amount of debt which is extinguished prior to maturity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 470 -SubTopic 50 -Section 40 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481303/470-50-40-2Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 470 -SubTopic 50 -Section 40 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481303/470-50-40-4 + Details Name: us-gaap_GainsLossesOnExtinguishmentOfDebt Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of income (loss) from continuing operations, including income (loss) from equity method investments, before deduction of income tax expense (benefit), and income (loss) attributable to noncontrolling interest. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 6: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 7: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(11)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 9:

http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 31 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-31Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 235 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-05(b)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477314/942-235-S99-1Reference 11: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(10)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 12: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(15)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of interest expense classified as nonoperating. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_InterestExpenseNonoperating Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe aggregate amount of income or expense from ancillary business-related activities (that is to say, excluding major activities considered part of the normal operations of the business). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_NonoperatingIncomeExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe net result for the period of deducting operating expenses from operating revenues. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 31 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-31 + Details Name: us-gaap_OperatingIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of expense charged against earnings to allocate the cost of tangible and intangible assets over their remaining economic lives, classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 3: 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_OtherDepreciationAndAmortization Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_SegmentReportingInformationLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: srt_ConsolidationItemsAxis=us-gaap_OperatingSegmentsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ConsolidationItemsAxis=us-gaap_MaterialReconcilingItemsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ConsolidationItemsAxis=us-gaap_CorporateNonSegmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 54 R44.htm IDEA: XBRL DOCUMENT v3.24.2 Segment Information - Reconciliation of Capital Expenditures (Details) - USD ($) $ in Millions 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Segment Reporting Information [Line Items] Â Â Â Â Capital expenditures $ 55 $ 41 $ 137 $ 105 Total segment Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Capital expenditures 52 38 132 99 Corporate Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Capital expenditures $ 3 $ 3 $ 5 $ 6 X - DefinitionAmount of expenditure for addition to long-lived assets included in determination of segment assets by chief operating decision maker (CODM) or otherwise regularly provided to CODM. Excludes expenditure for addition to financial instrument, long-term customer relationship of financial institution, mortgage and other servicing rights, deferred policy acquisition cost, and deferred tax assets. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 25 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-25 + Details Name: us-gaap_SegmentExpenditureAdditionToLongLivedAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_SegmentReportingInformationLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: srt_ConsolidationItemsAxis=us-gaap_OperatingSegmentsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ConsolidationItemsAxis=us-gaap_CorporateNonSegmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 55 R45.htm IDEA: XBRL DOCUMENT v3.24.2 Segment Information - Disaggregation of Revenue by Major End Market Served (Details) - USD ($) $ in Millions 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Revenue, Major Customer [Line Items] Â Â Â Â Sales $ 1,880 $ 1,648 $ 3,704 $ 3,251 Third-party sales Â Â Â Â Revenue, Major Customer [Line Items] Â Â Â Â Sales 1,880 1,648 3,704 3,251 Third-party sales | Engine Products Â Â Â Â Revenue, Major Customer [Line Items] Â Â Â Â Sales 933 821 1,818 1,616 Third-party sales | Fastening Systems Â Â Â Â Revenue, Major Customer [Line Items] Â Â Â Â Sales 394 329 783 641 Third-party sales | Engineered Structures Â Â Â Â Revenue, Major Customer [Line Items] Â Â Â Â Sales 275 200 537 407 Third-party sales | Forged Wheels Â Â Â Â Revenue, Major Customer [Line Items] Â Â Â Â Sales 278 298 566 587 Third-party sales | Aerospace - Commercial Â Â Â Â Revenue, Major Customer [Line Items] Â Â Â Â Sales 979 771 1,907 1,525 Third-party sales | Aerospace - Commercial | Engine Products Â Â Â Â Revenue, Major Customer [Line Items] Â Â Â Â Sales 528 446 1,020 878 Third-party sales | Aerospace - Commercial | Fastening Systems Â Â Â Â Revenue, Major Customer [Line Items] Â Â Â Â Sales 251 184 495 354 Third-party sales | Aerospace - Commercial | Engineered Structures Â Â Â Â Revenue, Major Customer [Line Items] Â Â Â Â Sales 200 141 392 293 Third-party sales | Aerospace - Commercial | Forged Wheels Â Â Â Â Revenue, Major Customer [Line Items] Â Â Â Â Sales 0 0 0 0 Third-party sales | Aerospace - Defense Â Â Â Â Revenue, Major Customer [Line Items] Â Â Â Â Sales 290 262 570 513 Third-party sales | Aerospace - Defense | Engine Products Â Â Â Â Revenue, Major Customer [Line Items] Â Â Â Â Sales 192 174 377 337 Third-party sales | Aerospace - Defense | Fastening Systems Â Â Â Â Revenue, Major Customer [Line Items] Â Â Â Â Sales 37 46 76 90 Third-party sales | Aerospace - Defense | Engineered Structures Â Â Â Â Revenue, Major Customer [Line Items] Â Â Â Â Sales 61 42 117 86 Third-party sales | Aerospace - Defense | Forged Wheels Â Â Â Â Revenue, Major Customer [Line Items] Â Â Â Â Sales 0 0 0 0 Third-party sales | Commercial Transportation Â Â Â Â Revenue, Major Customer [Line Items] Â Â Â Â Sales 346 360 700 712 Third-party sales | Commercial Transportation | Engine Products Â Â Â Â Revenue, Major Customer [Line Items] Â Â Â Â Sales 0 0 0 0 Third-party sales | Commercial Transportation | Fastening Systems Â Â Â Â Revenue, Major Customer [Line Items] Â Â Â Â Sales 68 62 134 125 Third-party sales | Commercial Transportation | Engineered Structures Â Â Â Â Revenue, Major Customer [Line Items] Â Â Â Â Sales 0 0 0 0 Third-party sales | Commercial Transportation | Forged Wheels Â Â Â Â Revenue, Major Customer [Line Items] Â Â Â Â Sales 278 298 566 587 Third-party sales | Industrial and Other Â Â Â Â Revenue, Major Customer [Line Items] Â Â Â Â Sales 265 255 527 501 Third-party sales | Industrial and Other | Engine Products Â Â Â Â Revenue, Major Customer [Line Items] Â Â Â Â Sales 213 201 421 401 Third-party sales | Industrial and Other | Fastening Systems Â Â Â Â Revenue, Major Customer [Line Items] Â Â Â Â Sales 38 37 78 72 Third-party sales | Industrial and Other | Engineered Structures Â Â Â Â Revenue, Major Customer [Line Items] Â Â Â Â Sales 14 17 28 28 Third-party sales | Industrial and Other | Forged Wheels Â Â Â Â Revenue, Major Customer [Line Items] Â Â Â Â Sales $ 0 $ 0 $ 0 $ 0 X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_EntityWideRevenueMajorCustomerLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount, 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. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 41 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-41Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 4: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 924 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 11.L) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479941/924-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-5Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-40Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-4 + Details Name: us-gaap_RevenueFromContractWithCustomerExcludingAssessedTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - Details Name: srt_ConsolidationItemsAxis=hwm_OperatingSegmentsAndCorporateNonSegmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=hwm_EngineProductsSegmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=hwm_FasteningSystemsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=hwm_StructureSystemsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=hwm_WheelSystemsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=hwm_AerospaceCommercialMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=hwm_AerospaceDefenseMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=hwm_CommercialTransportationMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=hwm_IndustrialAndOtherMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 56 R46.htm IDEA: XBRL DOCUMENT v3.24.2 Restructuring and Other Charges - Restructuring and Other Charges (Details) - USD ($) $ in Millions 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Restructuring and Related Activities [Abstract] Â Â Â Â Layoff costs $ 7 $ 0 $ 7 $ 0 Reversals of previously recorded layoff reserves 0 0 0 (1) Pension and Other post-retirement benefits - net settlements (E) 0 3 0 3 Net loss related to divestitures of assets and businesses (P) 14 0 13 0 Other 1 0 2 2 Total restructuring and other charges $ 22 $ 3 $ 22 $ 4 X - DefinitionGain (Loss) On Divestitures Of Assets And Business, Included In Restructuring Charges + ReferencesNo definition available. + Details Name: hwm_GainLossOnDivestituresOfAssetsAndBusinessIncludedInRestructuringCharges Namespace Prefix: hwm_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionReversal Of Previous Severance Costs + ReferencesNo definition available. + Details Name: hwm_ReversalOfPreviousSeveranceCosts Namespace Prefix: hwm_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of gain (loss) recognized in net periodic benefit (cost) credit from irrevocable action relieving primary responsibility for benefit obligation and eliminating risk related to obligation and assets used to effect settlement. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3A -Publisher FASB -URI https://asc.fasb.org/1943274/2147480535/715-20-45-3AReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (h)(7) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a)(7) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-6 + Details Name: us-gaap_DefinedBenefitPlanRecognizedNetGainLossDueToSettlements1 Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of other expenses associated with exit or disposal activities pursuant to an authorized plan. Excludes expenses associated with a discontinued operation or an asset retirement obligation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_OtherRestructuringCosts Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType

Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_RestructuringAndRelatedActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount, after cash payment, of expenses associated with exit or disposal activities pursuant to an authorized plan and expenses resulting from the write-down of assets. Excludes expenses related to a business combination, a discontinued operation or an asset retirement obligation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_RestructuringCostsAndAssetImpairmentCharges Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of expenses for special or contractual termination benefits provided to current employees involuntarily terminated under a benefit arrangement associated exit or disposal activities pursuant to an authorized plan. Excludes expenses related to one-time termination benefits, a discontinued operation or an asset retirement obligation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_SeveranceCosts1 Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration XML 57 R47.htm IDEA: XBRL DOCUMENT v3.24.2 Restructuring and Other Charges - Narrative (Details) $ in Millions 3 Months Ended 6 Months Ended Jun. 30, 2024 USD ($) employee Jun. 30, 2023 USD ($) Jun. 30, 2024 USD ($) Jun. 30, 2023 USD ($) Restructuring Cost and Reserve [Line Items] Â Â Â Â Restructuring and other (credits) charges $ 22 $ 3 $ 22 $ 4 Layoff costs $ 7 0 7 0 Number of employees associated with layoff costs | employee 283 Â Â Â Accelerated depreciation $ 1 Â 2 2 Pension plan settlement 0 3 0 3 Reversal of previously recorded layoff reserve $ 0 $ 0 0 $ 1 Engineered Structures Â Â Â Â Restructuring Cost and Reserve [Line Items] Â Â Â Â Number of employees associated with layoff costs | employee 112 Â Â Â Fastening Systems Â Â Â Â Restructuring Cost and Reserve [Line Items] Â Â Â Â Number of employees associated with layoff costs | employee 144 Â Â Â Forged Wheels Â Â Â Â Restructuring Cost and Reserve [Line Items] Â Â Â Â Number of employees associated with layoff costs | employee 27 Â Â Â UK | Engineered Structures Â Â Â Â Restructuring Cost and Reserve [Line Items] Â Â Â Â Gain (loss) on sale of assets $ (14) Â (14) Â UK | Engine Products Â Â Â Â Restructuring Cost and Reserve [Line Items] Â Â Â Â Gain (loss) on sale of assets Â Â $ 1 Â X - DefinitionReversal Of Previous Severance Costs + ReferencesNo definition available. + Details Name: hwm_ReversalOfPreviousSeveranceCosts Namespace Prefix: hwm_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of gain (loss) recognized in net periodic benefit (cost) credit from irrevocable action relieving primary responsibility for benefit obligation and eliminating risk related to obligation and assets used to effect settlement. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3A -Publisher FASB -URI https://asc.fasb.org/1943274/2147480535/715-20-45-3AReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (h)(7) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a)(7) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-6 + Details Name: us-gaap_DefinedBenefitPlanRecognizedNetGainLossDueToSettlements1 Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of gain (loss) on sale or disposal of other assets. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_GainLossOnSaleOfOtherAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe number of positions eliminated during the period as a result of restructuring activities. + ReferencesNo definition available. + Details Name: us-gaap_RestructuringAndRelatedCostNumberOfPositionsEliminated Namespace Prefix: us-gaap_ Data Type: xbrli:integerItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.P.4.d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.P.4.b.1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.P.4.b.2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1 + Details Name: us-gaap_RestructuringCostAndReserveLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount, after cash payment, of expenses associated with exit or disposal activities pursuant to an authorized plan and expenses resulting from the write-down of assets. Excludes expenses related to a business combination, a discontinued operation or an asset retirement obligation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_RestructuringCostsAndAssetImpairmentCharges Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of accelerated depreciation charged against earnings associated with exit from or disposal of business activities or restructuring plan. + ReferencesNo definition available. + Details Name: us-gaap_RestructuringReserveAcceleratedDepreciation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of expenses for special or contractual termination benefits provided to current employees involuntarily terminated under a benefit arrangement associated exit or disposal activities pursuant to an authorized plan. Excludes expenses related to one-time termination benefits, a discontinued operation or an asset retirement obligation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_SeveranceCosts1 Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - Details Name: us-gaap_StatementBusinessSegmentsAxis=hwm_EngineeredStructuresMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=hwm_FasteningSystemsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=hwm_WheelSystemsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_StatementGeographicalAxis=country_GB Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=hwm_EngineProductsSegmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 58 R48.htm IDEA: XBRL DOCUMENT v3.24.2 Restructuring and Other Charges - Activity and Reserve Balances for Restructuring Charges (Details) - USD ($) $ in Millions 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Restructuring Reserve [Roll Forward] Â Â Â Â Restructuring reserve, beginning balance Â Â $ 7 Â Cash payments Â Â (3) Â Restructuring and other (credits) charges $ 22 $ 3 22 $ 4 Other Â Â (14) Â Restructuring reserve, ending balance 12 Â 12 Â Layoff costs Â Â Â Â Restructuring Reserve [Roll Forward] Â Â Â Â Restructuring reserve, beginning balance Â Â 5 Â Cash payments Â Â (2) Â Restructuring and other (credits) charges Â Â 7 Â Other Â Â 0 Â Restructuring reserve, ending balance 10 Â 10 Â OtherÂ exit costs Â Â Â Â Restructuring Reserve [Roll Forward] Â Â Â Â Restructuring reserve, beginning balance Â Â 2 Â Cash payments Â Â (1) Â Restructuring and other (credits) charges Â Â 15 Â Other Â Â (14) Â Restructuring reserve, ending balance 2 Â $ 2 Â Gain (loss) on sale of assets $ (14) Â Â Â Â X - DefinitionAmount of gain (loss) on sale or disposal of other assets. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_GainLossOnSaleOfOtherAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash payments made as the result of exit or disposal activities. Excludes payments associated with a discontinued operation or an asset retirement obligation. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 17 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-17 + Details Name: us-gaap_PaymentsForRestructuring Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of expenses associated with exit or disposal activities pursuant to an authorized plan. Excludes expenses related to a discontinued operation or an asset retirement obligation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.P.4.b.1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482047/420-10-45-3Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 5.P.3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-1 + Details Name: us-gaap_RestructuringCharges Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionCarrying amount (including both current and noncurrent portions of the accrual) as of the balance sheet date pertaining to a specified type of cost associated with exit from or disposal of business activities or restructuring pursuant to a duly authorized plan. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.P.4.b.2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1 + Details Name: us-gaap_RestructuringReserve Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionA roll forward is a reconciliation of a concept from the beginning of a period to the end of a period. + ReferencesNo definition available. + Details Name: us-gaap_RestructuringReserveRollForward Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of decrease in the reserve for full or partial settlement through consideration other than cash. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.P.4.b.2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1 + Details Name: us-gaap_RestructuringReserveSettledWithoutCash2 Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - Details Name: us-gaap_RestructuringCostAndReserveAxis=us-gaap_EmployeeSeveranceMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_RestructuringCostAndReserveAxis=hwm_OtherRestructuringAndDisposalOfBusinessMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 59 R49.htm IDEA: XBRL DOCUMENT v3.24.2 Pension and Other Postretirement Benefits - Components of Net Periodic Benefit Cost (Details) - USD ($) $ in Millions 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Defined Benefit Plan Disclosure [Line Items] Â Â Â Â Pension and Other post-retirement benefits - net settlements (E) $ 0 $ 3 $ 0 $ 3 Pension benefits Â Â Â Â Defined Benefit Plan Disclosure [Line Items] Â Â Â Â Service cost 0 1 1 2 Interest cost 19 20 38 40 Expected return on plan assets (17) (18) (35) (37) Recognized net actuarial (gain) loss 8 7 16 14 Pension and Other post-retirement benefits - net settlements (E) 0 3 0 3 Net periodic cost (benefit) 10 13 20 22 Other postretirement benefits Â Â Â Â Defined Benefit Plan Disclosure [Line Items] Â Â Â Â Service cost 0 0 0 0 Interest cost 2 1 3 3 Recognized net actuarial (gain) loss 0 0 (1) (1) Amortization of prior service benefit (3) (2) (5) (4) Net periodic cost (benefit) $ (1) $ (1) $ (3) $ (2) X - DefinitionAmount of gain (loss), recognized immediately as component of net periodic benefit (cost) credit, for change in value of benefit obligation or plan assets from experience different from that assumed, change in actuarial assumption, or consequence of temporarily deviating from substantive plan. Includes, but is not limited to, amount in excess of 10 percent of greater of fair value of plan assets or benefit obligation. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3A -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480535/715-20-45-3AReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (h)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-6 + Details Name: us-gaap_DefinedBenefitPlanActuarialGainLossImmediateRecognitionAsComponentInNetPeriodicBenefitCostCredit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of prior service cost (credit) recognized in net periodic benefit cost (credit) of defined benefit plan. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 17 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480482/715-20-55-17Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3A -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480535/715-20-45-3AReference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 18 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480482/715-20-55-18Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (h)(5) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a)(5) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-6 + Details Name: us-gaap_DefinedBenefitPlanAmortizationOfPriorServiceCostCredit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_DefinedBenefitPlanDisclosureLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of expected return (loss) recognized in net periodic benefit (cost) credit, calculated based on expected long-term rate of return and market-related value of plan assets of defined benefit plan. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 17 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480482/715-20-55-17Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3A -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480535/715-20-45-3AReference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 18 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480482/715-20-55-18Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (h)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -

Paragraph 6 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-6 + Details Name: us-gaap_DefinedBenefitPlanExpectedReturnOnPlanAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cost recognized for passage of time related to defined benefit plan. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 17 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480482/715-20-55-17Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3A -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480535/715-20-45-3AReference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 18 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480482/715-20-55-18Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (h)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-6 + Details Name: us-gaap_DefinedBenefitPlanInterestCost Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of net periodic benefit cost (credit) for defined benefit plan. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 17 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480482/715-20-55-17Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 18 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480482/715-20-55-18Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-6 + Details Name: us-gaap_DefinedBenefitPlanNetPeriodicBenefitCost Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of gain (loss) recognized in net periodic benefit (cost) credit from irrevocable action relieving primary responsibility for benefit obligation and eliminating risk related to obligation and assets used to effect settlement. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3A -Publisher FASB -URI https://asc.fasb.org/1943274/2147480535/715-20-45-3AReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (h)(7) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a)(7) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-6 + Details Name: us-gaap_DefinedBenefitPlanRecognizedNetGainLossDueToSettlements1 Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cost for actuarial present value of benefits attributed to service rendered by employee for defined benefit plan. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 17 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480482/715-20-55-17Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 18 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480482/715-20-55-18Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (h)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-6 + Details Name: us-gaap_DefinedBenefitPlanServiceCost Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - Details Name: us-gaap_RetirementPlanTypeAxis=us-gaap_PensionPlansDefinedBenefitMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_RetirementPlanTypeAxis=us-gaap_OtherPostretirementBenefitPlansDefinedBenefitMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 60 R50.htm IDEA: XBRL DOCUMENT v3.24.2 Pension and Other Postretirement Benefits - Narrative (Details) - USD ($) $ in Millions 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Defined Benefit Plan Disclosure [Line Items] Â Â Â Â Decrease in obligation, pension benefits Â $ 19 Â $ 19 Pension plan settlement $ 0 3 $ 0 3 Contributions and payments 17 7 22 19 Pension benefits Â Â Â Â Defined Benefit Plan Disclosure [Line Items] Â Â Â Â Pension plan settlement $ 0 $ 3 $ 0 $ 3 X - DefinitionDefined Benefit Plan, Benefit Obligation, Contributions And Payments + ReferencesNo definition available. + Details Name: hwm_DefinedBenefitPlanBenefitObligationContributionsAndPayments Namespace Prefix: hwm_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_DefinedBenefitPlanDisclosureLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of gain (loss) recognized in net periodic benefit (cost) credit from irrevocable action relieving primary responsibility for benefit obligation and eliminating risk related to obligation and assets used to effect settlement. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3A -Publisher FASB -URI https://asc.fasb.org/1943274/2147480535/715-20-45-3AReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (h)(7) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a)(7) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-6 + Details Name: us-gaap_DefinedBenefitPlanRecognizedNetGainLossDueToSettlements1 Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of increase (decrease) in obligation for pension benefits. Includes, but is not limited to, defined benefit or defined contribution plans. Excludes other postretirement benefits. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInPensionPlanObligations Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - Details Name: us-gaap_RetirementPlanTypeAxis=us-gaap_PensionPlansDefinedBenefitMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 61 R51.htm IDEA: XBRL DOCUMENT v3.24.2 Other Expense (Income), Net - Other Expense, Net (Details) - USD ($) $ in Millions 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Other Income and Expenses [Abstract] Â Â Â Â Non-service costs - pension and other postretirement benefits (E) $ 9 $ 8 $ 16 $ 15 Interest income (6) (5) (11) (10) Foreign currency losses (gains), net 4 0 7 (2) Net realized and unrealized losses 6 7 13 11 Deferred compensation 3 3 8 6 Other, net (1) (26) (1) (26) Total other expense (income), net $ 15 $ (13) $ 32 $ (6) X - DefinitionNet Periodic Benefit Cost, Non-service + ReferencesNo definition available. + Details Name: hwm_NetPeriodicBenefitCostNonservice Namespace Prefix: hwm_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe compensation expense recognized during the period pertaining to the deferred compensation arrangement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 710 -SubTopic 10 -Name Accounting Standards Codification -Section 30 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483043/710-10-30-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 10 -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-1 + Details Name: us-gaap_DeferredCompensationArrangementWithIndividualCompensationExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount, before tax, of realized and unrealized gain (loss) from foreign currency transaction. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 20 -Name Accounting Standards Codification -Section 35 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482014/830-20-35-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481956/830-20-45-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481926/830-20-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 17 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481839/830-10-45-17 + Details Name: us-gaap_ForeignCurrencyTransactionGainLossBeforeTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of gain (loss) on sale or disposal of assets, including but not limited to property plant and equipment, intangible assets and equity in securities of subsidiaries or equity method investee. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_GainLossOnDispositionOfAssets1 Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe aggregate amount of income from investments (for example, dividends) not considered a component of the entity's core operations. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_InvestmentIncomeNonoperating Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe aggregate amount of income or expense from ancillary business-related activities (that is to say, excluding major activities considered part of the normal operations of the business). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_NonoperatingIncomeExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_OtherIncomeAndExpensesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of income (expense) related to nonoperating activities, classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_OtherNonoperatingIncomeExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration XML 62 R52.htm IDEA: XBRL DOCUMENT v3.24.2 Other Expense (Income), Net - Narrative (Details) - Lehman Brothers International (Europe) (â€œLBIEâ€) Claims - USD ($) $ in Millions 3 Months Ended 6 Months Ended Jun. 30, 2023 Sep. 30, 2022 Jun. 30, 2023 Loss Contingencies [Line Items] Â Â Â Reversal of previously recorded litigation amount $ 25 Â $ 25 Legal fees $ 1 Â $ 1 Loss contingency, provision Â $ 65 Â X - DefinitionThe amount of expense provided in the period for legal costs incurred on or before the balance sheet date pertaining to resolved, pending or threatened litigation, including arbitration and mediation proceedings. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(6)) -SubTopic 10 -Topic 220 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_LegalFees Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-4Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 720 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483359/720-20-50-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 27 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482395/460-10-55-27Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-4Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-1 + Details Name: us-gaap_LossContingenciesLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of increase (decrease) in loss contingency liability. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-1 + Details Name: us-gaap_LossContingencyAccrualCarryingValuePeriodIncreaseDecrease Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: na Period Type: duration X - DefinitionAmount charged against operating income increasing loss contingency liability, after adjustments to reduce previously estimated charges. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-1 + Details Name: us-gaap_LossContingencyAccrualProvision Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - Details Name: srt_LitigationCaseAxis=hwm_LehmanBrothersInternationalEuropeLBIEClaimsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 63 R53.htm IDEA: XBRL DOCUMENT v3.24.2 Income Taxes - Narrative (Details) - USD ($) $ in Millions 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Income Tax Contingency [Line Items] Â Â Â Â Effective income tax rate reconciliation (as a percent) 21.70% 23.00% Â 23.00% Effective income tax rate reconciliation, including discrete items (as a percent) 20.40% 20.60% 20.10% 26.30% Discrete tax charge (benefit) $ (5) $ (7) $ (12) $ 14 Excess tax benefit for stock compensation Â 8 7 8 Charge (benefit) for other small items Â 1 1 2 Income tax reserve $ 0 $ 0 0 20 US Â Â Â Â Income Tax Contingency [Line Items] Â Â Â Â Release of valuation allowance, foreign tax credits, amount Â Â $ 6 Â France Â Â Â Â Income Tax Contingency [Line Items] Â Â Â Â Income tax reserve Â Â Â $ 20 X - DefinitionDiscrete Income Tax Expense (Benefit) + ReferencesNo definition available. + Details Name: hwm_DiscreteIncomeTaxExpenseBenefit Namespace Prefix: hwm_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionEffective Income Tax Rate Reconciliation, Including Discrete Items, Percent + ReferencesNo definition available. + Details Name: hwm_EffectiveIncomeTaxRateReconciliationIncludingDiscreteItemsPercent Namespace Prefix: hwm_ Data Type: dtr-types1:percentItemType Balance Type: na Period Type: duration X - DefinitionEffective Income Tax Rate Reconciliation, Release Of Valuation Allowance, Foreign Tax Credits, Amount + ReferencesNo definition available. + Details Name: hwm_EffectiveIncomeTaxRateReconciliationReleaseOfValuationAllowanceForeignTaxCreditsAmount Namespace Prefix: hwm_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionPercentage of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -

Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231 + Details Name: us-gaap_EffectiveIncomeTaxRateContinuingOperations Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionAmount of difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying domestic federal statutory income tax rate to pretax income (loss) from continuing operation, attributable to expense for award under share-based payment arrangement. Excludes expense determined to be nondeductible upon grant or after for award under share-based payment arrangement. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (b)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section 35 -Paragraph 2 -SubTopic 740 -Topic 718 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479176/718-740-35-2 + Details Name: us-gaap_EffectiveIncomeTaxRateReconciliationShareBasedCompensationExcessTaxBenefitAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_IncomeTaxContingencyLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations attributable to other adjustments. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (b)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12 + Details Name: us-gaap_IncomeTaxReconciliationOtherAdjustments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations attributable to increase (decrease) in income tax contingencies. Including, but not limited to, domestic tax contingency, foreign tax contingency, state and local tax contingency, and other contingencies. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12A -Subparagraph (a)(8) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12AReference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12 + Details Name: us-gaap_IncomeTaxReconciliationTaxContingencies Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - Details Name: srt_StatementGeographicalAxis=country_US Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_StatementGeographicalAxis=country_FR Namespace Prefix: Data Type: na Balance Type: Period Type: XML 64 R54.htm IDEA: XBRL DOCUMENT v3.24.2 Income Taxes - Income Tax Provisions (Details) - USD ($) $ in Millions 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Income Tax Disclosure [Abstract] Â Â Â Â Pre-tax income at estimated annual effective income tax rate before discrete items $ 72 $ 56 $ 138 $ 107 Interim period treatment of operational losses in foreign jurisdictions for which no tax benefit is recognized 1 1 2 1 Tax reserve (Q) 0 0 0 20 Other discrete items (5) (7) (12) (6) Provision for income taxes $ 68 $ 50 $ 128 $ 122 X - ReferencesNo definition available. + Details Name: us-gaap_IncomeTaxDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 6.I.7) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479360/740-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-10Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Subparagraph (a) -SubTopic 20 -Topic 740 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482659/740-20-45-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(h)) -SubTopic 10 -Topic 235 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1 + Details Name: us-gaap_IncomeTaxExpenseBenefit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe amount of income tax expense or benefit for the period computed by applying the domestic federal statutory tax rates to pretax income from continuing operations. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231 + Details Name: us-gaap_IncomeTaxReconciliationIncomeTaxExpenseBenefitAtFederalStatutoryIncomeTaxRate Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying statutory federal (national) tax rate to pretax income (loss) from continuing operation attributable to other reconciling item. Excludes state and local income tax expense (benefit), federal tax expense (benefit), statutory income tax expense (benefit) outside of country of domicile, tax credit, nondeductible expense, deduction, income tax settlement, income tax contingency, and cross-border tax law. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (b)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12 + Details Name: us-gaap_IncomeTaxReconciliationOtherReconcilingItems Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations attributable to increase (decrease) in income tax contingencies. Including, but not limited to, domestic tax contingency, foreign tax contingency, state and local tax contingency, and other contingencies. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12A -Subparagraph (a)(8) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12AReference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12 + Details Name: us-gaap_IncomeTaxReconciliationTaxContingencies Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations attributable to increase (decrease) in foreign income tax contingency. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12 + Details Name: us-gaap_IncomeTaxReconciliationTaxContingenciesForeign Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration XML 65 R55.htm IDEA: XBRL DOCUMENT v3.24.2 Earnings Per Share and Common Stock - Reconciliation of Information Used to Compute Basic and Diluted EPS (Details) - USD ($) shares in Millions, $ in Millions 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Earnings Per Share [Abstract] Â Â Â Â Net income $ 266 $ 193 $ 509 $ 341 Less: preferred stock dividends declared 0 0 1 1 Net income available to Howmet Aerospace common shareholders - basic 266 193 508 340 Net income available to Howmet Aerospace common shareholders - diluted $ 266 $ 193 $ 508 $ 340 Average shares outstanding - basic (in shares) 408 413 409 413 Effect of dilutive securities: Â Â Â Â Stock and performance awards (in shares) 3 4 2 4 Average shares outstanding - diluted (in shares) 411 417 411 417 X - ReferencesNo definition available. + Details Name: us-gaap_DilutiveSecuritiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_EarningsPerShareAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionNumber of additional shares included in diluted EPS for potentially dilutive effect of nonvested equity-based payment award containing forfeitable rights to dividends or dividend equivalents, whether paid or unpaid. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-22Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 23 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-23Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-28AReference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 260 -SubTopic 10 -Section 45 -Paragraph 68B -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-68B + Details Name: us-gaap_IncrementalCommonSharesAttributableToNonvestedSharesWithForfeitableDividends Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-6Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 17: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-10Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 25:

http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount, after deduction of tax, noncontrolling interests, dividends on preferred stock and participating securities, of income (loss) available to common shareholders. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 5 -Subparagraph (SAB Topic 6.B) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-5Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60B + Details Name: us-gaap_NetIncomeLossAvailableToCommonStockholdersBasic Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount, after deduction of tax, noncontrolling interests, dividends on preferred stock and participating securities, and addition from assumption of issuance of common shares for dilutive potential common shares; of income (loss) available to common shareholders. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 5 -Subparagraph (SAB Topic 6.B) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-5Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 16 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-16Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 40 -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-40Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 40 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-40Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 40 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-40Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 40 -Subparagraph (b)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-40 + Details Name: us-gaap_NetIncomeLossAvailableToCommonStockholdersDiluted Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe aggregate value of preferred stock dividends and other adjustments necessary to derive net income apportioned to common stockholders. + ReferencesReference 1: http://www.xbrl.org/2003/role/recommendedDisclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 5 -Subparagraph (SAB Topic 6.B) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-5Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 260 -SubTopic 10 -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-11Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1 + Details Name: us-gaap_PreferredStockDividendsAndOtherAdjustments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe average number of shares or units issued and outstanding that are used in calculating diluted EPS or earnings per unit (EPU), determined based on the timing of issuance of shares or units in the period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 16 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-16 + Details Name: us-gaap_WeightedAverageNumberOfDilutedSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber of [basic] shares or units, after adjustment for contingently issuable shares or units and other shares or units not deemed outstanding, determined by relating the portion of time within a reporting period that common shares or units have been outstanding to the total time in that period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10 + Details Name: us-gaap_WeightedAverageNumberOfSharesOutstandingBasic Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration XML 66 R56.htm IDEA: XBRL DOCUMENT v3.24.2 Earnings Per Share and Common Stock - Narrative (Details) - USD ($) 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Jul. 30, 2024 Aug. 18, 2021 Earnings Per Share [Abstract] Â Â Â Â Â Â Common stock outstanding (in shares) 407,883,027 412,169,561 407,883,027 412,169,561 Â Â Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Â Â Â Â Â Â Authorized repurchase amount Â Â Â Â Â $ 1,500,000,000 Remaining authorized repurchase amount $ 487,000,000 Â $ 487,000,000 Â Â Â Stock Options Â Â Â Â Â Â Â Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Â Â Â Â Â Â Number of anti-dilutive securities (in shares) 0 0 0 0 Â Â Subsequent Event Â Â Â Â Â Â Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Â Â Â Â Â Â Authorized repurchase amount Â Â Â Â $ 2,000,000,000 Â Remaining authorized repurchase amount Â Â Â Â $ 2,487,000,000 Â X - DefinitionAmount authorized for purchase of share under share repurchase plan. Includes, but is not limited to, repurchase of stock and unit of ownership. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 505 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481520/505-30-50-4 + Details Name: srt_StockRepurchaseProgramAuthorizedAmount1 Namespace Prefix: srt_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionSecurities (including those issuable pursuant to contingent stock agreements) that could potentially dilute basic earnings per share (EPS) or earnings per unit (EPU) in the future that were not included in the computation of diluted EPS or EPU because to do so would increase EPS or EPU amounts or decrease loss per share or unit amounts for the period presented. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1 + Details Name: us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionNumber of shares of common stock outstanding. Common stock represent the ownership interest in a corporation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 6: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3 + Details Name: us-gaap_CommonStockSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_EarningsPerShareAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount remaining authorized for purchase of share under share repurchase plan. Includes, but is not limited to, repurchase of stock and unit of ownership. + ReferencesNo definition available. + Details Name: us-gaap_StockRepurchaseProgramRemainingAuthorizedRepurchaseAmount1 Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Details Name: us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareByAntidilutiveSecuritiesAxis=us-gaap_EmployeeStockOptionMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_SubsequentEventTypeAxis=us-gaap_SubsequentEventMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 67 R57.htm IDEA: XBRL DOCUMENT v3.24.2 Earnings Per Share and Common Stock - Accelerated Share Repurchases (Details) - USD ($) $ / shares in Units, $ in Millions 3 Months Ended 6 Months Ended Jun. 30, 2024 Mar. 31, 2024 Jun. 30, 2023 Mar. 31, 2023 Jun. 30, 2024 Jun. 30, 2023 Earnings Per Share [Abstract] Â Â Â Â Â Â Number of shares (in shares) 734,737 2,243,259 2,246,294 576,629 2,977,996 2,822,923 Average price per share (in usd per share) $ 81.66 $ 66.87 $ 44.52 $ 43.36 $ 70.52 $ 44.28 Stock Repurchased During Period, Value $ 60 $ 150 $ 100 $ 25 $ 210 $ 125 X - ReferencesNo definition available. + Details Name: us-gaap_EarningsPerShareAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionNumber of shares that have been repurchased during the period and have not been retired and are not held in treasury. Some state laws may govern the circumstances under which an entity may acquire its own stock and prescribe the accounting treatment therefore. This element is used when state law does not recognize treasury stock. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 505 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478448/946-505-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-03(i)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479886/946-10-S99-3Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockRepurchasedDuringPeriodShares Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionEquity impact of the value of stock that has been repurchased during the period and has not been retired and is not held in treasury. Some state laws may mandate the circumstances under which an entity may acquire its own stock and prescribe the accounting treatment therefore. This element is used when state law does not recognize treasury stock. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/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 (c) -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_StockRepurchasedDuringPeriodValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionTotal cost of shares repurchased divided by the total number of shares repurchased. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 505 -SubTopic 30 -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481549/505-30-45-1 + Details Name: us-gaap_TreasuryStockAcquiredAverageCostPerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration XML 68 R58.htm IDEA: XBRL DOCUMENT v3.24.2 Accumulated Other Comprehensive Loss (Details) - USD ($) $ in Millions 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 AOCI Attributable to Parent, Net of Tax [Roll Forward] Â Â Â Â Beginning balance $ 4,086 $ 3,761 $ 4,037 $ 3,601 Other comprehensive income (loss): Â Â Â Â Total Other comprehensive income (loss), net of tax 3 (2) (28) 33 Ending balance 4,277 3,775 4,277 3,775 Accumulated other comprehensive loss Â Â Â Â AOCI Attributable to Parent, Net of Tax [Roll Forward] Â Â Â Â Beginning balance (1,861) (1,806) (1,830) (1,841) Other comprehensive income (loss): Â Â Â Â Total Other comprehensive income (loss), net of tax 3 (2) (28) 33 Ending balance (1,858) (1,808) (1,858) (1,808) Pension and other postretirement benefits Â Â Â Â AOCI Attributable to Parent, Net of Tax [Roll Forward] Â Â Â Â Beginning balance (686) (648) (689) (653) Other comprehensive income (loss): Â Â Â Â Unrecognized net actuarial (loss) gain and prior service cost/benefit and net change from periodic revaluations 0 (3) (1) 0 Tax (expense) benefit 0 1 0 0 Total Other comprehensive income (loss) before reclassifications, net of tax 0 (2) (1) 0 Amortization of net actuarial loss and prior service cost and net amount reclassified to earnings 5 8 10 12 Tax benefit (expense) (1) (2) (2) (3) Total amount reclassified from Accumulated other comprehensive (loss) income, net of tax 4 6 8 9 Total Other comprehensive income (loss), net of tax 4 4 7 9 Ending balance (682) (644) (682) (644) Foreign currency translation Â Â Â Â AOCI Attributable to Parent, Net of Tax [Roll Forward] Â Â Â Â Beginning balance (1,173) (1,159) (1,136) (1,193) Other comprehensive income (loss): Â Â Â Â Total Other comprehensive income (loss), net of tax (4) 4 (41) 38 Ending balance (1,177) (1,155) (1,177) (1,155) Cash flow hedges Â Â Â Â AOCI Attributable to Parent, Net of Tax [Roll Forward] Â Â Â Â Beginning balance (2) 1 (5) 5 Other comprehensive income (loss): Â Â Â Â Unrecognized net actuarial (loss) gain and prior service cost/benefit and net change from periodic revaluations 4 (10) 3 (14) Tax (expense) benefit (1) 2 (1) 3 Total Other comprehensive income (loss) before reclassifications, net of tax 3 (8) 2 (11) Amortization of net actuarial loss and prior service cost and net amount reclassified to earnings 0 (3) 5 (4) Tax benefit (expense) 0 1 (1) 1 Total amount reclassified from Accumulated other comprehensive (loss) income, net of tax 0 (2) 4 (3) Total other comprehensive income (loss), net of tax 3 (10) 6 (14) Ending balance $ 1 $ (9) $ 1 $ (9) X - DefinitionOther Comprehensive Income (Loss) Before Reclassification [Abstract] + ReferencesNo definition available. + Details Name: hwm_OtherComprehensiveIncomeLossBeforeReclassificationAbstract Namespace Prefix: hwm_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionA roll forward is a reconciliation of a concept from the beginning of a period to the end of a period. + ReferencesNo definition available. + Details Name: us-gaap_AOCIAttributableToParentNetOfTaxRollForward Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount before tax and reclassification adjustments of other comprehensive income (loss) attributable to parent. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 220 -SubTopic 10 -Section 45 -Paragraph 14A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-14A + Details Name: us-gaap_OciBeforeReclassificationsBeforeTaxAttributableToParent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount after tax, before reclassification adjustments, of other comprehensive income (loss), attributable to parent. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 220 -SubTopic 10 -Section 45 -Paragraph 14A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-14AReference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 55 -Paragraph 15 -SubTopic 10 -Topic 220 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482739/220-10-55-15 + Details Name: us-gaap_OciBeforeReclassificationsNetOfTaxAttributableToParent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of tax expense (benefit) allocated to other comprehensive income (loss) before reclassification adjustment from accumulated other comprehensive income (loss). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 12 -SubTopic 10 -Topic 220 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-12Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-4Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1 + Details Name: us-gaap_OtherComprehensiveIncomeLossBeforeReclassificationsTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount after tax of other comprehensive income (loss) attributable to parent entity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 19 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-19Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 20 -SubTopic 10 -Topic 810 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-20Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (c)(3) -SubTopic 10 -Topic 810 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1AReference 4: 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 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1A + Details Name: us-gaap_OtherComprehensiveIncomeLossNetOfTaxPortionAttributableToParent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount before tax of reclassification adjustments of other comprehensive income (loss) attributable to parent. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 220 -SubTopic 10 -Section 45 -Paragraph 14A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-14A + Details Name: us-gaap_ReclassificationFromAociCurrentPeriodBeforeTaxAttributableToParent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount after tax of reclassification adjustments of other comprehensive income (loss) attributable to parent. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 220 -SubTopic 10 -Section 45 -Paragraph 14A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-14AReference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 55 -Paragraph 15 -SubTopic 10 -Topic 220 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482739/220-10-55-15 + Details Name: us-gaap_ReclassificationFromAociCurrentPeriodNetOfTaxAttributableToParent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of tax expense (benefit) of reclassification adjustment from accumulated other comprehensive income (loss). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 12 -SubTopic 10 -Topic 220 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-12Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-4Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 17A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-17A + Details Name: us-gaap_ReclassificationFromAociCurrentPeriodTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(31)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 12: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 13: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 14: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 4.E) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480418/310-10-S99-2 + Details Name: us-gaap_StockholdersEquity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Details Name: us-gaap_StatementEquityComponentsAxis=us-gaap_AccumulatedOtherComprehensiveIncomeMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementEquityComponentsAxis=us-gaap_AccumulatedDefinedBenefitPlansAdjustmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementEquityComponentsAxis=us-gaap_AccumulatedTranslationAdjustmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementEquityComponentsAxis=us-gaap_AccumulatedGainLossNetCashFlowHedgeParentMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 69 R59.htm IDEA: XBRL DOCUMENT v3.24.2 Receivables (Details) - USD ($) $ in Millions 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Dec. 31, 2023 Certain Customers Â Â Â Â Â Schedule Of Financial Receivables [Line Items] Â Â Â Â Â Accounts receivables sold $ 174 $ 151 $ 345 $ 289 Â Accounts receivable outstanding 172 Â 172 Â Â Receivables Purchase Agreement Â Â Â Â Â Schedule Of Financial Receivables [Line Items] Â Â Â Â Â Accounts receivable securitization following a provision to increase the limit 325 Â 325 Â Â Accounts receivable securitization 250 Â 250 Â $ 250 Accounts receivable securitization amount drawn 250 Â 250 Â 250 Financing receivables, held as collateral 239 Â 239 Â $ 197 Accounts receivables sold $ 317 $ 382 $ 730 $ 719 Â X - DefinitionAccounts Receivable From Securitization, Amount Drawn + ReferencesNo definition available. + Details Name: hwm_AccountsReceivableFromSecuritizationAmountDrawn Namespace Prefix: hwm_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAccounts Receivable from Securitization, Face Amount + ReferencesNo definition available. + Details Name: hwm_AccountsReceivableFromSecuritizationFaceAmount Namespace Prefix: hwm_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAccounts Receivable From Securitization, Face Amount After Provision To Increase Limit + ReferencesNo definition available. + Details Name: hwm_AccountsReceivableFromSecuritizationFaceAmountAfterProvisionToIncreaseLimit Namespace Prefix: hwm_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAccounts Receivable, Sale, Amount Outstanding + ReferencesNo definition available. + Details Name: hwm_AccountsReceivableSaleAmountOutstanding Namespace Prefix: hwm_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionFinancing Receivables, Held As Collateral + ReferencesNo definition available. + Details Name: hwm_FinancingReceivablesHeldAsCollateral Namespace Prefix: hwm_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionSchedule Of Financial Receivables [Line Items] + ReferencesNo definition available. + Details Name: hwm_ScheduleOfFinancialReceivablesLineItems Namespace Prefix: hwm_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of decrease from sale of accounts receivable. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479319/326-20-50-11 + Details Name: us-gaap_AccountsReceivableSale Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - Details Name: srt_MajorCustomersAxis=hwm_CertainCustomersMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AccountsNotesLoansAndFinancingReceivableByReceivableTypeAxis=hwm_ReceivablesPurchaseAgreementMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 70 R60.htm IDEA: XBRL DOCUMENT v3.24.2 Inventories - Inventories Components (Details) - USD ($) $ in Millions Jun. 30, 2024 Dec. 31, 2023 Inventory Disclosure [Abstract] Â Â Finished goods $ 466 $ 451 Work-in-process 901 891 Purchased raw materials 412 355 Operating supplies 69 68 Total inventories $ 1,848 $ 1,765 X - ReferencesNo definition available. + Details Name: us-gaap_InventoryDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionCarrying amount, net of valuation reserves and adjustments, as of the balance sheet date of merchandise or goods held by the company that are readily available for sale. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 330 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.BB) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480581/330-10-S99-2Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryFinishedGoodsNetOfReserves Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount after valuation and LIFO reserves of inventory expected to be sold, or consumed within one year or operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryNet Namespace Prefix: us-gaap_

Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionCarrying amount, net of valuation reserves and adjustments, as of the balance sheet date of unprocessed items to be consumed in the manufacturing or production process. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 330 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.BB) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480581/330-10-S99-2Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryRawMaterialsNetOfReserves Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionCarrying amount, net of valuation reserves and adjustments, as of the balance sheet date of products used directly or indirectly in the manufacturing or production process, which may or may not become part of the final product. May also include items used in the storage, presentation or transportation of physical goods. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 330 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.BB) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480581/330-10-S99-2Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventorySuppliesNetOfReserves Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionCarrying amount, net of reserves and adjustments, as of the balance sheet date of merchandise or goods which are partially completed. This inventory is generally comprised of raw materials, labor and factory overhead costs, which require further materials, labor and overhead to be converted into finished goods, and which generally require the use of estimates to determine percentage complete and pricing. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 330 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.BB) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480581/330-10-S99-2Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(a)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryWorkInProcessNetOfReserves Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 71 R61.htm IDEA: XBRL DOCUMENT v3.24.2 Inventories - Narrative (Details) - USD ($) $ in Millions Jun. 30, 2024 Dec. 31, 2023 Inventory Disclosure [Abstract] Â Â Inventories valued on a LIFO basis $ 510 $ 446 Total inventories valued on an average-cost basis $ 248 $ 236 X - ReferencesNo definition available. + Details Name: us-gaap_InventoryDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount by which inventory stated at last-in first-out (LIFO) is less than (in excess of) inventory stated at other inventory cost methods. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(c)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryLIFOReserve Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionThe amount of LIFO (last in first out) inventory present at the reporting date when inventory is also valued using different valuation methods. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483489/210-10-50-1 + Details Name: us-gaap_LIFOInventoryAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 72 R62.htm IDEA: XBRL DOCUMENT v3.24.2 Properties, Plants, and Equipment, net- Properties, Plants, and Equipment, Net (Details) - USD ($) $ in Millions Jun. 30, 2024 Dec. 31, 2023 Property, Plant and Equipment [Line Items] Â Â Property, plant and equipment, gross $ 5,210 $ 5,185 Less: accumulated depreciation and amortization 3,140 3,081 Properties, plants and equipment excluding construction work in progress 2,070 2,104 Construction work-in-progress 237 224 Properties, plants, and equipment, net 2,307 2,328 Land and land rights Â Â Property, Plant and Equipment [Line Items] Â Â Property, plant and equipment, gross 83 88 Structures Â Â Property, Plant and Equipment [Line Items] Â Â Property, plant and equipment, gross 1,022 1,018 Machinery and equipment Â Â Property, Plant and Equipment [Line Items] Â Â Property, plant and equipment, gross $ 4,105 $ 4,079 X - DefinitionProperties plants and equipment excluding construction work in progress. + ReferencesNo definition available. + Details Name: hwm_PropertiesPlantsAndEquipmentExcludingConstructionWorkInProgress Namespace Prefix: hwm_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of accumulated depreciation, depletion and amortization for physical assets used in the normal conduct of business to produce goods and services. + ReferencesReference 1: 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)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(14)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 360 -SubTopic 10 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1 + Details Name: us-gaap_AccumulatedDepreciationDepletionAndAmortizationPropertyPlantAndEquipment Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of structure or a modification to a structure under construction. Includes recently completed structures or modifications to structures that have not been placed into service. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1 + Details Name: us-gaap_ConstructionInProgressGross Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount before accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures. + ReferencesReference 1: 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 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(13)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1 + Details Name: us-gaap_PropertyPlantAndEquipmentGross Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-7A + Details Name: us-gaap_PropertyPlantAndEquipmentLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount 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. + ReferencesReference 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 X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=us-gaap_LandMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=us-gaap_BuildingMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=us-gaap_MachineryAndEquipmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 73 R63.htm IDEA: XBRL DOCUMENT v3.24.2 Property, Plant, and Equipment, net- Narrative (Details) - USD ($) $ in Millions 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Property, Plant and Equipment [Abstract] Â Â Capital expenditures incurred but not yet paid $ 62 $ 48 X - DefinitionFuture cash outflow to pay for purchases of fixed assets that have occurred. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-4Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-3Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-5 + Details Name: us-gaap_CapitalExpendituresIncurredButNotYetPaid Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_PropertyPlantAndEquipmentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 74 R64.htm IDEA: XBRL DOCUMENT v3.24.2 Leases - Narrative (Details) - USD ($) $ in Millions 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Leases [Abstract] Â Â Â Â Lease cost $ 16 $ 16 $ 32 $ 32 X - DefinitionAmount of lease cost recognized by lessee for lease contract. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_LeaseCost Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_LeasesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 75 R65.htm IDEA: XBRL DOCUMENT v3.24.2 Leases - Operating Lease Assets and Liabilities in the Consolidated Balance Sheet (Details) - USD ($) $ in Millions Jun. 30, 2024 Dec. 31, 2023 Leases [Abstract] Â Â Right-of-use assets classified in Other noncurrent assets $ 157 $ 128 Current portion of lease liabilities classified in Other current liabilities 37 32 Long-term portion of lease liabilities classified in Other noncurrent liabilities and deferred credits 121 97 Total lease liabilities $ 158 $ 129 Operating Lease, Right-of-Use Asset, Statement of Financial Position [Extensible List] Other Assets, Noncurrent Other Assets, Noncurrent Operating Lease, Liability, Current, Statement of Financial Position [Extensible List] Other current liabilities (M)(Q) Other current liabilities (M)(Q) Operating Lease, Liability, Noncurrent, Statement of Financial Position [Extensible List] Other noncurrent liabilities and deferred credits (M) Other noncurrent liabilities and deferred credits (M) X - ReferencesNo definition available. + Details Name: us-gaap_LeasesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiabilityCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionIndicates line item in statement of financial position that includes current operating lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-2 + Details Name: us-gaap_OperatingLeaseLiabilityCurrentStatementOfFinancialPositionExtensibleList Namespace Prefix: us-gaap_ Data Type: enum2:enumerationSetItemType Balance Type: na Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease, classified as noncurrent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiabilityNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionIndicates line item in statement of financial position that includes noncurrent operating lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-2 + Details Name: us-gaap_OperatingLeaseLiabilityNoncurrentStatementOfFinancialPositionExtensibleList Namespace Prefix: us-gaap_ Data Type: enum2:enumerationSetItemType Balance Type: na Period Type: instant X - DefinitionAmount of lessee's right to use underlying asset under operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseRightOfUseAsset Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionIndicates line item in statement of financial position that includes operating lease right-of-use asset. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-2 + Details Name: us-gaap_OperatingLeaseRightOfUseAssetStatementOfFinancialPositionExtensibleList Namespace Prefix: us-gaap_ Data Type: enum2:enumerationSetItemType Balance Type: na Period Type: instant XML 76 R66.htm IDEA: XBRL DOCUMENT v3.24.2 Debt - Long-Term Debt (Details) - USD ($) $ in Millions Jul. 01, 2024 Jun. 30, 2024 Dec. 31, 2023 Mar. 31, 2023 Jan. 31, 2023 Debt Instrument [Line Items] Â Â Â Â Â Other, net Â $ (8) $ (10) Â Â Long-term debt Â 3,659 3,706 Â Â Less: amount due within one year Â 782 206 Â Â Total long-term debt Â $ 2,877 3,500 Â Â 5.125% Notes, due 2024 Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Long-term debt, interest rate (as a percent) Â 5.125% Â 5.125% 5.125% Amount outstanding Â $ 205 205 Â Â 5.125% Notes, due 2024 | Subsequent Event Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Long-term debt, interest rate (as a percent) 5.125% Â Â Â Â Amount outstanding $ 205 Â Â Â Â 6.875% Notes, due 2025 Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Long-term debt, interest rate (as a percent) Â 6.875% Â Â Â Amount outstanding Â $ 577 600 Â Â USD Term Loan Facility, due 2026 Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Amount outstanding Â 200 200 Â Â JPY Term Loan Facility, due 2026 Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Amount outstanding Â $ 185 211 Â Â 5.900% Notes, due 2027 Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Long-term debt, interest rate (as a percent) Â 5.90% Â Â Â Amount outstanding Â $ 625 625 Â Â 6.750% Bonds, due 2028 Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Long-term debt, interest rate (as a percent) Â 6.75% Â Â Â Amount outstanding Â $ 300 300 Â Â 3.000% Notes, due 2029 Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Long-term debt, interest rate (as a percent) Â 3.00% Â Â Â Amount outstanding Â $ 700 700 Â Â 5.950% Notes, due 2037 Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Long-term debt, interest rate (as a percent) Â 5.95% Â Â Â Amount outstanding Â $ 625 625 Â Â 4.750% Iowa Finance Authority Loan, due 2042 Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Long-term debt, interest rate (as a percent) Â 4.75% Â Â Â Amount outstanding Â $ 250 $ 250 Â Â X - DefinitionOther Long Term Debt, Including Unamortized Debt Discounts And Issuance Costs + ReferencesNo definition available. + Details Name: hwm_OtherLongTermDebtIncludingUnamortizedDebtDiscountsAndIssuanceCosts Namespace Prefix: hwm_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, before unamortized (discount) premium and debt issuance costs, of long-term debt. Includes, but is not limited to, notes payable, bonds payable, commercial loans, mortgage loans, convertible debt, subordinated debt and other types of debt. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -

Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-4 + Details Name: us-gaap_DebtInstrumentCarryingAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionContractual interest rate for funds borrowed, under the debt agreement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1B + Details Name: us-gaap_DebtInstrumentInterestRateStatedPercentage Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482949/835-30-55-8Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(f)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.12-04(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-3Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 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Excludes lease obligation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482949/835-30-55-8Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69B -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69BReference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69C -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69CReference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1DReference 7: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(16)(a)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (b)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-4 + Details Name: us-gaap_LongTermDebt Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt classified as current. Excludes lease obligation. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LongTermDebtCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt classified as noncurrent. Excludes lease obligation. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LongTermDebtNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Details Name: us-gaap_DebtInstrumentAxis=hwm_FivePointOneTwoFivePercentNotesDueTwoThousandTwentyFourMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_SubsequentEventTypeAxis=us-gaap_SubsequentEventMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_DebtInstrumentAxis=hwm_SixPointEightSevenFivePercentNotesDueTwoThousandTwentyFiveMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_DebtInstrumentAxis=hwm_USDTermLoanFacilityDue2026Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_DebtInstrumentAxis=hwm_JPYTermLoanFacilityDue2026Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_DebtInstrumentAxis=hwm_FivePointNinePercentNotesDueTwoThousandTwentySevenMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_DebtInstrumentAxis=hwm_SixPointSevenFivePercentBondDueTwoThousandTwentyEightMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_DebtInstrumentAxis=hwm_ThreePercentNotesDueTwoThousandTwentyNineMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_DebtInstrumentAxis=hwm_FivePointNineFivePercentNotesDueTwoThousandThirtySevenMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_DebtInstrumentAxis=hwm_FourPointSevenFivePercentIowaFinanceAuthorityLoanDueTwoThousandFortyTwoMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 77 R67.htm IDEA: XBRL DOCUMENT v3.24.2 Debt - Public Debt (Details) - USD ($) $ in Millions 1 Months Ended 6 Months Ended Jul. 01, 2024 Mar. 31, 2023 Jan. 31, 2023 Jun. 30, 2024 Jun. 30, 2023 Debt Instrument [Line Items] Â Â Â Â Â Payment for early redemption of debt Â Â Â $ 0 $ 1 5.125% Notes, due 2024 Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Early redemption of debt Â Â $ 26 Â Â Long-term debt, interest rate (as a percent) Â 5.125% 5.125% 5.125% Â Payment for early redemption of debt Â $ 150 Â Â Â Repayments of debt Â 155 Â Â Â Interest expense Â 4 Â Â Â Â Early termination premium Â $ 1 Â Â Â 5.125% Notes, due 2024 | Subsequent Event Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Early redemption of debt $ 205 Â Â Â Â Long-term debt, interest rate (as a percent) 5.125% Â Â Â Â Redemption price, amount $ 208 Â Â Â Â Accrued interest $ 3 Â Â Â Â 6.875% Notes, due 2024 Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Long-term debt, interest rate (as a percent) Â Â Â 6.875% Â Repurchased face amount Â Â Â $ 23 Â X - DefinitionDebt Instrument, Redemption Price, Amount + ReferencesNo definition available. + Details Name: hwm_DebtInstrumentRedemptionPriceAmount Namespace Prefix: hwm_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionExtinguishment Of Debt, Early Termination Premium + ReferencesNo definition available. + Details Name: hwm_ExtinguishmentOfDebtEarlyTerminationPremium Namespace Prefix: hwm_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionContractual interest rate for funds borrowed, under the debt agreement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1B + Details Name: us-gaap_DebtInstrumentInterestRateStatedPercentage Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482949/835-30-55-8Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(f)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.12-04(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-3Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 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https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1I -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1IReference 26: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2Reference 27: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482900/835-30-50-1 + Details Name: us-gaap_DebtInstrumentLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionFace (par) amount of the original debt instrument that was repurchased. + ReferencesNo definition available. + Details Name: us-gaap_DebtInstrumentRepurchasedFaceAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionGross amount of debt extinguished. + ReferencesNo definition available. + Details Name: us-gaap_ExtinguishmentOfDebtAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of the cost of borrowed funds accounted for as interest expense for debt. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69E -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69EReference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69F -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69FReference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-6 + Details Name: us-gaap_InterestExpenseDebt Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of interest payable on debt, including, but not limited to, trade payables. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(15)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(15)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap_InterestPayableCurrentAndNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of cash outflow for cost from early extinguishment and prepayment of debt. Includes, but is not limited to, third-party cost, premium paid, and other fee paid to lender directly for debt extinguishment or debt prepayment. Excludes accrued interest. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 15 -Subparagraph (g) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-15 + Details Name: us-gaap_PaymentsOfDebtExtinguishmentCosts Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash outflow for short-term and long-term debt. Excludes payment of lease obligation. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 15 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-15 + Details Name: us-gaap_RepaymentsOfDebt Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - Details Name: us-gaap_DebtInstrumentAxis=hwm_FivePointOneTwoFivePercentNotesDueTwoThousandTwentyFourMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_SubsequentEventTypeAxis=us-gaap_SubsequentEventMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_DebtInstrumentAxis=hwm_SixPointEightSevenFivePercentNotesDueTwoThousandTwentyFourMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 78 R68.htm IDEA: XBRL DOCUMENT v3.24.2 Debt - Term Loan Facilities (Details) Â¥ in Millions, $ in Millions Nov. 22, 2023 Jun. 30, 2024 USD ($) Jun. 30, 2024 JPY (Â¥) Dec. 31, 2023 USD ($) Dec. 31, 2023 JPY (Â¥) USD Term Loan Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Amount outstanding Â $ 200 Â $ 200 Â Fixed interest rate (as a percent) Â 5.795% 5.795% Â Â JPY Term Loan Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Amount outstanding Â $ 185 Â¥ 29,702 $ 211 Â¥ 29,702 Fixed interest rate (as a percent) Â 2.044% 2.044% Â Â Maximum Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Debt covenants, net debt to consolidated EBITDA ratio 3.75 Â Â Â Â Â X - DefinitionDebt Instrument, Covenant Compliance, Ratio Of Consolidated Net Debt To Consolidated EBITDA + ReferencesNo definition available. + Details Name: hwm_DebtInstrumentCovenantComplianceRatioOfConsolidatedNetDebtToConsolidatedEBITDA Namespace Prefix: hwm_ Data Type: xbrli:decimalItemType Balance Type: na Period Type: duration X - DefinitionAmount, before unamortized (discount) premium and debt issuance costs, of long-term debt. Includes, but is not limited to, notes payable, bonds payable, commercial loans, mortgage loans, convertible debt, subordinated debt and other types of debt. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-4 + Details Name: us-gaap_DebtInstrumentCarryingAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482949/835-30-55-8Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(f)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.12-04(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-3Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 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-Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1IReference 26: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2Reference 27: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482900/835-30-50-1 + Details Name: us-gaap_DebtInstrumentLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionFixed interest rate related to the interest rate derivative. + ReferencesNo definition available. + Details Name: us-gaap_DerivativeFixedInterestRate Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - Details Name: us-gaap_DebtInstrumentAxis=hwm_USDTermLoanMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_DebtInstrumentAxis=hwm_JPYTermLoanMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_RangeAxis=srt_MaximumMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 79 R69.htm IDEA: XBRL DOCUMENT v3.24.2 Debt - Credit Facility (Details) 6 Months Ended 12 Months Ended Nov. 22, 2023 Jul. 27, 2023 USD ($) Jun. 30, 2024 USD ($) Dec. 31, 2023 USD ($) Debt Instrument [Line Items] Â Â Â Â Amounts outstanding Â Â $ 0 $ 0 Borrowings Â Â $ 0 $ 0 Maximum Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Debt covenants, net debt to consolidated EBITDA ratio 3.75 Â Â Â Â Line of Credit | Maximum Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Debt covenants, net debt to consolidated EBITDA ratio Â 3.75 Â Â Revolving Credit Facility | Line of Credit Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Debt term Â 5 years Â Â Maximum borrowing capacity Â $ 1,000,000,000 Â Â X - DefinitionDebt Instrument, Covenant Compliance, Ratio Of Consolidated Net Debt To Consolidated EBITDA + ReferencesNo definition available. + Details Name: hwm_DebtInstrumentCovenantComplianceRatioOfConsolidatedNetDebtToConsolidatedEBITDA Namespace Prefix: hwm_ Data Type: xbrli:decimalItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482949/835-30-55-8Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(f)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.12-04(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-3Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69B -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69BReference 6: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69C -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69CReference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69E -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69EReference 8: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69F -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69FReference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 11: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1DReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1DReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1DReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1E -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1EReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1E -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1EReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic

20 -Name Accounting Standards Codification -Section 50 -Paragraph 1E -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1EReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1I -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1IReference 26: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2Reference 27: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482900/835-30-50-1 + Details Name: us-gaap_DebtInstrumentLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionPeriod of time between issuance and maturity of debt instrument, in PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. + ReferencesNo definition available. + Details Name: us-gaap_DebtInstrumentTerm Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionThe carrying value as of the balance sheet date of the current and noncurrent portions of long-term obligations drawn from a line of credit, which is a bank's commitment to make loans up to a specific amount. Examples of items that might be included in the application of this element may consist of letters of credit, standby letters of credit, and revolving credit arrangements, under which borrowings can be made up to a maximum amount as of any point in time conditional on satisfaction of specified terms before, as of and after the date of drawdowns on the line. Includes short-term obligations that would normally be classified as current liabilities but for which (a) postbalance sheet date issuance of a long term obligation to refinance the short term obligation on a long term basis, or (b) the enterprise has entered into a financing agreement that clearly permits the enterprise to refinance the short-term obligation on a long term basis and the following conditions are met (1) the agreement does not expire within 1 year and is not cancelable by the lender except for violation of an objectively determinable provision, (2) no violation exists at the BS date, and (3) the lender has entered into the financing agreement is expected to be financially capable of honoring the agreement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(16)(a)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap_LineOfCredit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionMaximum borrowing capacity under the credit facility without consideration of any current restrictions on the amount that could be borrowed or the amounts currently outstanding under the facility. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 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)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LineOfCreditFacilityMaximumBorrowingCapacity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of cash inflow from contractual arrangement with the lender, including but not limited to, letter of credit, standby letter of credit and revolving credit arrangements. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(f)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 14 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14 + Details Name: us-gaap_ProceedsFromLinesOfCredit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - Details Name: srt_RangeAxis=srt_MaximumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_LongtermDebtTypeAxis=us-gaap_LineOfCreditMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_CreditFacilityAxis=us-gaap_RevolvingCreditFacilityMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 80 R70.htm IDEA: XBRL DOCUMENT v3.24.2 Debt - Commercial Paper (Details) - USD ($) $ in Millions Apr. 04, 2024 Jun. 30, 2024 Short-Term Debt [Line Items] Â Â Commercial paper Â $ 0 Commercial Paper Â Â Short-Term Debt [Line Items] Â Â Aggregate principal amount $ 1,000 Â Debt term 397 days Â X - DefinitionCarrying value as of the balance sheet date of short-term borrowings using unsecured obligations issued by banks, corporations and other borrowers to investors. The maturities of these money market securities generally do not exceed 270 days. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(16)(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(13)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-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(19)(a)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_CommercialPaper Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionFace (par) amount of debt instrument at time of issuance. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482949/835-30-55-8Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69B -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69BReference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69C -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69CReference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482900/835-30-50-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2 + Details Name: us-gaap_DebtInstrumentFaceAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPeriod of time between issuance and maturity of debt instrument, in PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. + ReferencesNo definition available. + Details Name: us-gaap_DebtInstrumentTerm Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_ShortTermDebtLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_ShortTermDebtTypeAxis=us-gaap_CommercialPaperMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 81 R71.htm IDEA: XBRL DOCUMENT v3.24.2 Fair Value of Financial Instruments (Details) - USD ($) $ in Millions Jun. 30, 2024 Dec. 31, 2023 Derivative [Line Items] Â Â Restricted cash $ 1 $ 1 Carrying value Â Â Derivative [Line Items] Â Â Long-term debt 2,877 3,500 Fair value Â Â Derivative [Line Items] Â Â Long-term debt $ 2,839 $ 3,504 X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480237/815-40-50-5 + Details Name: us-gaap_DerivativeLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe fair value amount of long-term debt whether such amount is presented as a separate caption or as a parenthetical disclosure. Additionally, this element may be used in connection with the fair value disclosures required in the footnote disclosures to the financial statements. The element may be used in both the balance sheet and disclosure in the same submission. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2 + Details Name: us-gaap_LongTermDebtFairValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of cash restricted as to withdrawal or usage, classified as current. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8 + Details Name: us-gaap_RestrictedCashCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_FairValueByMeasurementBasisAxis=us-gaap_CarryingReportedAmountFairValueDisclosureMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FairValueByMeasurementBasisAxis=us-gaap_EstimateOfFairValueFairValueDisclosureMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 82 R72.htm IDEA: XBRL DOCUMENT v3.24.2 Divestiture (Details) - USD ($) $ in Millions 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2024 Engineered Structures | UK Â Â Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] Â Â Gain (loss) on sale of assets $ (14) $ (14) X - DefinitionAmount of gain (loss) on sale or disposal of other assets. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_GainLossOnSaleOfOtherAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_IncomeStatementBalanceSheetAndAdditionalDisclosuresByDisposalGroupsIncludingDiscontinuedOperationsLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_StatementBusinessSegmentsAxis=hwm_EngineeredStructuresMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_StatementGeographicalAxis=country_GB Namespace Prefix: Data Type: na Balance Type: Period Type: XML 83 R73.htm IDEA: XBRL DOCUMENT v3.24.2 Contingencies, Commitments and Other Liabilities (Details) â¬ in Millions, $ in Millions 1 Months Ended 3 Months Ended 6 Months Ended Jun. 15, 2023 USD ($) Mar. 31, 2023 USD ($) Mar. 31, 2023 EUR (â¬) Jan. 01, 2023 Jul. 31, 2024 USD ($) Dec. 31, 2023 USD ($) Jul. 31, 2023 USD ($) Jun. 30, 2024 USD ($) Mar. 31, 2024 USD ($) Mar. 31, 2024 EUR (â¬) Jun. 30, 2023 USD ($) Jun. 30, 2024 USD ($) location Jun. 30, 2023 USD ($) Jul. 23, 2024 USD ($) Jul. 23, 2024 EUR (â¬) Jun. 26, 2020 entity transaction Loss Contingencies [Line Items] Â Number of cleanup locations | location Â Â Â Â Â Â Â Â Â Â Â Â 30 Â Â Â Â Remediation reserve balance Â Â Â Â Â $ 17 Â $ 17 Â Â Â $ 17 Â Â Â Â Remediation reserve balance, classified as a current liability Â Â Â Â Â 7 Â 7 Â Â Â 7 Â Â Â Â Payments related to remediation expenses applied against the reserve (less than in second quarter) Â Â Â Â Â Â Â Â 1 Â Â Â 1 Â Â Â Â Income tax reserve Â Â Â Â Â Â Â Â 0 Â Â $ 0 0 $ 20 Â Â Â Guarantees of third party related to project financing Â Â Â Â Â Â Â Â 22 Â Â Â 22 Â Â Â Â Combined fair value of guarantees Â Â Â Â Â 6 Â 6 Â Â Â 6 Â Â Â Â Coverage limit Â Â Â Â Â $ 80 Â Â Â Â Â Â Â Â Â Â Total amount committed under outstanding surety bonds Â Â Â Â Â Â Â 43 Â Â Â 43 Â Â Â Â Surety bonds, amount outstanding Â Â Â Â Â Â $ 21 Â Â Â $ 21 Â Â Â Â Termination notice period (in days) Â Â Â 30 days Â Â Â Â Â Â Â Â Â Â Payment timing (in days) Â Â Â 120 days Â Â Â Â Â Â Â Â Â Â Supplier Finance Program, Obligation, Current, Statement of Financial Position [Extensible Enumeration] Â Â Â Â Â Accounts payable, trade (Q) Â Accounts payable, trade (Q) Â Â Â Accounts payable, trade (Q) Â Â Â Supplier invoices subject to future payment Â Â Â Â Â $ 258 Â $ 287 Â Â Â $ 287 Â Â Â Letter of Credit Â Â Â Â Â Â Â Â Â Â Â Â Â Â Loss Contingencies [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Maximum borrowing capacity Â Â Â Â Â Â Â 96 Â Â Â 96 Â Â Â Â Other Noncurrent Liabilities and Deferred Credits | Separation Agreement Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Loss Contingencies [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Guarantees of third party related to project financing Â Â Â Â Â $ 1,131 Â 1,131 Â Â Â $ 1,131 Â Â Â Lehman Brothers International (Europe) (â€œLBIEâ€) Claims Â Â Â Â Â Â Â Â Â Â Â Â Â Â Loss Contingencies [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Number of entities | entity Â Â Â Â Â Â Â Â Â Â Â Â Â 2 Number of interest rate swap transactions | transaction Â Â Â Â Â Â Â Â Â Â Â Â Â 2 Judgement from legal proceedings $ 40 Â Â Â Â Â Â Â Â Â Â Â Â Â Â Payments for legal settlements Â Â Â Â Â $ 15 Â Â Â Â Â Â Â Â Lehman Brothers International (Europe) (â€œLBIEâ€) Claims | Forecast | Subsequent Event Â Â Â Â Â Â Â Â Â Â Â Â Â Â Loss Contingencies [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Payments for legal settlements Â Â Â Â $ 25 Â Â Â Â Â Â Â Â Â Â Â Â Foreign Tax Authority | Ministry of the Economy, Finance and Industry, France | Tax Years 2010 Through 2012 Â Â Â Â Â Â Â Â Â Â Â Â Â Loss Contingencies [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Â Income tax assessment, estimate of possible loss Â $ 17 â¬ 16 Â Â Â Â Â Â Â Â Â Â Â Income tax reserve Â Â Â Â Â Â Â Â Â $ 21 â¬ 19 Â Â Â Â Â Â Â Foreign Tax Authority | Ministry of the Economy, Finance and Industry, France | Tax Years 2010 Through 2012 | Subsequent Event Â Â Â Â Â Â Â Â Â Â Â Â Â Â Loss Contingencies [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Â Income tax assessment, amount of penalties cancelled Â Â Â Â Â Â Â Â Â Â Â $ 7 â¬ 7 Â Recurring Costs of Managing Hazardous Substances and Environmental Programs Â Â Â Â Â Â Â Â Â Â Â Â Â Loss Contingencies [Line Items] Â Â Â Â Â Â Â Â Â Â Â Percentage of cost of goods sold (as a percent) Â Â Â Â Â Â Â Â Â Â Â 1.00% Â Â Â Â Income Tax and Interest | Foreign Tax Authority | Ministry of the Economy, Finance and Industry, France | Tax Years 2010 Through 2012 Â Â Â Â Â Â Â Â Â Â Â Loss Contingencies [Line Items] Â Â Â Â Â Â Â Â Â Â Income tax assessment, estimate of possible loss Â 10 9 Â Â Â Â Â Â Â Â Â Â Income Tax Penalties | Foreign Tax Authority | Ministry of the Economy, Finance and Industry, France | Tax Years 2010 Through 2012 Â Â Â Â Â Â Â Â Â Â Â Loss Contingencies [Line Items] Â Â Â Â Â Â Â Â Â Â Income tax assessment, estimate of possible loss Â 7 7 Â Â Â Â Â Â Â Â Â Â Additional Interest on Income Tax | Foreign Tax Authority | Ministry of the Economy, Finance and Industry, France | Tax Years 2010 Through 2012 Â Â Â Â Â Â Â Â Â Â Loss Contingencies [Line Items] Â Â Â Â Â Â Â Â Â Â Income tax assessment, estimate of possible loss Â $ 2 â¬ 2 Â Â Â Â Â Â Â Â Â Â Â Alcoa Corporation Workers Compensation Claims Â Â Â Â Â Â Â Â Â Â Â Loss Contingencies [Line Items] Â Â Â Â Â Â Â Â Â Â Â Letters of credit, total amount outstanding Â Â Â Â Â Â 52 Â Â Â $ 52 Â Â Â Â Arconic Corporation Environmental Obligations Â Â Â Â Â Â Â Â Â Â Â Loss Contingencies

[Line Items] Â Â Â

DefinitionAggregate dividends declared during the period for each share of common stock outstanding. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_CommonStockDividendsPerShareDeclared Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionContractual interest rate for funds borrowed, under the debt agreement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1B + Details Name: us-gaap_DebtInstrumentInterestRateStatedPercentage Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - DefinitionDetail information of subsequent event by type. User is expected to use existing line items from elsewhere in the taxonomy as the primary line items for this disclosure, which is further associated with dimension and member elements pertaining to a subsequent event. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481674/830-30-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 855 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483399/855-10-50-2 + Details Name: us-gaap_SubsequentEventLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_DebtInstrumentAxis=hwm_FivePointOneTwoFivePercentNotesDueTwoThousandTwentyFourMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_SubsequentEventTypeAxis=us-gaap_SubsequentEventMember Namespace Prefix: Data Type: na Balance Type: Period Type: EXCEL 85 Financial_Report.xlsx IDEA: XBRL DOCUMENT begin 644 Financial_Report.xlsx M4$L#!!0 (#V* E@'04UB@0 +$ 0 9&]C4')O<', 087!P+GAM M;$V./0L",1!$ _\IQO;=!P4)B0-!2L+(/>QLOD&1#LD)^OCG!CVX>;QA&WPIG M*N*I#BV&5(_C(I(/ !47BK9.7:=N')=HI6-Y #OGDK7A.YNJQ<&4GPZ4A!0W_J=0U[R;UEA,6\#MI7E!+ P04 M "]BOY8(P6!['N\ K @ $0 &1O8U!R;W!S+V-O&ULS9)1 M2\,P$,> _BN2]O;2=#D*7%\4G!<&!XEM(;EM8TX3DI-VWMXU;A^@'\#%W__SN M=W"M#D+[B" _1!XQD,=V,KNN3T&'##D1! "1]0*=2.27ZJ;GST2F:GG$/0>FC MVB/4G-^!0U)&D8(96(2%R&1KM- 1%?EXQAN]X,-G[#+,:, .'?:4H"HK8'*> M&$YCU\(5,,,(HTO?!30+,5?_Q.8.L'-R3'9)#<-0#WD.33M4\(\])K7+6R? M2/4:IU_)"CH%W+##+Y+?F_F'[R&3-ZU7!UT7#MW4EJK58W7[,KX_\KL+.&[NS M_]CX(BA;^'47\@M02P,$% @ /8K^6)E&UL[5I;<]HX%'[OK]!X9_9M"\8V@;:T$W-I=MNTF83M M3A^%$5B-;'EDD81_OTV23;J;/ 0LZ?O.14?GZ#AY\^XN8NB&B)3R M> +]O6N[!3+ MUES@6QHO(]JM-O=5H1I;*$81V1@?5XL:$#05%%:;U\@M.4?,_@5RU2-9:,! M$U=!)KF(M/+Y;.7\VMX^9<_I.ATR@6XP&U@@?\YOI^1.6HCA5,+$P&IG/U9K MQ]'22("'R7V4!;I)]J/]3%0@R#3LZG5C=.=GSVQ.V?C,K:=#1M&N#C\7@XMLO2 MBW A(5M>5 TR M6'!VULS2 Y9>*?IUE!K9';O=05SP6.XYB1'^QL4$UFG2&98T1G*=D 4. #?$ MT4Q0?*]!MHK@PI+27)#6SRFU4!H(FLB!]4>"(<7K;YH] M5Z%82=]$^!!&&N*<<^9ST6S[!Z5&T?95O-RCEU@5 9<8WS2J-2S%UGB5P/&M MG#P=$Q+-E L&08:7)"82J3E^34@3_BNEVOZKR2.FJW"$2M"/F(9 M-AIRM1:!MG&IA&!:$L;1>$[2M!'\6:PUDSY@R.S-D77.UI$.$9)>-T(^8LZ+ MD!&_'H8X2IKMHG%8!/V>7L-)P>B"RV;]N'Z&U3-L+([W1]072N0/]<_Z3(T M!Z.:60F]A%9JGZJ'-#ZH'C(*!?&Y'C[E>G@*-Y;&O%"N@GL! _]':-*K^(+ M.7\N?<^E[[GT/:'2MSAD6R4)RU3393>* M$IY"&V[I4_5*E=?EK[DHN#Q;Y.FOH70^+, Y/% GM,T+,T.WF)&Y M"M-2D& #^>G%>!KB.=D$N7V85VWGV-'1^^?!4;"C[SR6'<>(\[A[J&&F, #M0X=Y>U^89Y7&4#04;6RL)"Q&MV"XU_$L%.!D8"V@!X.O40+R4E5@,5O& RN0 MHGQ,C$7H<.>77%_CT9+CVZ9EM6ZO*7<9;2)2.<)IF!-GJ\K>9;'!51W/55OR ML+YJ/;053L ^6:W(GPP13A8+$DACE!>F2J+S&5.^YRM)Q%4XOT4SMA*7&+SC MYL=Q3E.X$G:V#P(RN;LYJ7IE,6>F\M\M# DL6XA9$N>7>W5YYNTB42%[JP# 4A M%W+C[^^3:G>,U_HL@6V$5#)DU1?*0XG!/3-R0]A4)?.NVB8+A=OB5,V[&KXF M8$O#>FZ=+2?_VU[4/;07/4;SHYG@'K.' MYA,L0Z1^P7V*BH 1JV*^NJ]/^26<.[1[\8$@F_S6VZ3VW> ,?-2K6J5D*Q$_ M2P=\'Y(&8XQ;]#1?CQ1BK::QK<;:,0QY@%CS#*%F.-^'19H:,]6+K#F-"F]! MU4#E/]O4#6CV#30,9FV-J/D3@H\W/[O#;#"Q([A[8N_ 5!+ P04 M"]BOY8ND@4[!4& "9)0 &'AL+W=OG4Y?BSKXE'(K^F*XBA)+ULKI=;O.IW47_&8 MI2=BS1,XLQ R9@IVY;*3KB5G01X41QWB>?U.S,*D-;C(CTWEX$)D*@H3/I4H MS>*8R>],PDN6YXN8^XK[0$@Y\-' $HTDI0 MCG]+T=;NGCKPY?96 3HW#V;F+.4C$7T. [6Z;)VU4, 7+(O4O7C\P$M#/:WG MBRC-_Z/'XMINMX7\+%4B+H.A!'&8%+ LJ:R(%P%]4A% R@#R30"NN@,M VAN MM"A9;NLJ4VQP(<4CDOIJ4-,;>=WDT> F3'0SSI2LR'J<%(;+A$;92NF.3I M14>!IC[3\5,3WT8U(U"I%XR3@P>OX#I1E5R"R+= 5<0K^EB4GB'IO M$?%(UU*>T;[PZ 21OBW\57'HKGYHKD M^!F,6(4>GM?Q-N0Q%H M\N/M\,WY P_']W6PZ'(W1Y'9T M8C/KE#G0+/;,X]6K8W>2^$)" \R?(&_13,&@1$*BD<@2)9_A-[#6P1[UJV.; M8W?0H99?$ 6N8_F!/:%) (,T7(1^\>2[LE[)$FO[5%\>D:LW=D=?*A?8OR2 M.GZ'00#JZ=OM!LHQX2ZQMZM;DG@835(V![IET%DDT!UTFBR$3@-\;JT#I^"A M=6 H"3M!Y']U,-)[T+\?Q&-B]>^6FX9*I?-,+E=6KTU $394A-U<\ZW7W6"> M2K$)$]_>X&[-Z=!JM E4PH:5L)MPOC4Z%:EB$?HK7%?G*[9\=PKMPM3NW0!?;;35!2MB@$G;SS4?A0Z--5B0QH<0>D5Z/ MMO%YUYZF@ E;$@)UT*E42:E)L("\-DF8 +S/Y*ZU;\8GT1'KFC#O5IN G7 M J=)J\MQ>2'1GNV-6[UZ5:L\MD$,1%#3*06,6GT!3Z"U+H4\MGF;H_.1R:7 M' U]GX,0R 2%I'5*H0E@(@:82"U@FL4LBM!5EL+IU-IO]^A4OLFXXP[U9P") MU *DC/H M>F>XV^][IQ>=C(?5X M!VQ*L#A) OZ$?N?V1..6\O*_+CG#5I]-\ XQO$/<=+(%NI?=U36?N4>NW88W M#VHWV@3P4 ,\U TJ93Y-=3ZU?D\X$IV4'Q2:8!UJ6(?BHW]/.1*]E/Z;8"%] M6(BZT>4A5!%'8H$P^6G^,YIQ/Y-0(5;?;J77C^$UC(X-BS*.WN 3ST-K@.?\ MFYZU#IK)/KBDYJ;;QXD" (7M.=X+B*K=;? A\\W5EM-X!$U>$3=>+1M2S1^ M\E/JIGM/4*W7V;6>5UWV*'^#!E1-]A,)5]PR,F!(U4="7%*OTT $S7 M1/M'3U5'PI_2?Q,P10U,43?]?$^JG/33*XBQB^<2%Z4J6].5Y^Q-8 M$PA)1-S?52&!N 4A@:'IO==8$=%$#7=1-2=^1P]Q".H<-;\9VCT?EKVPMD&#;A^&?9 MQA8JB1Y)V=E^_:B7 M2#)Y8M+-^1!;\G,G/G<\WD-Q?F3\F]A1*M%3FF3B9K"3-LL)B7]^[Y8LYRF<09O>=(Y&D: M\K_O:,*.-P,\>+[Q)=[N9'%CM)COPRU]H/+K_IZKJU'C)8I3FHF898C3QYO! M+;X.R+@P*!&_Q?0H.M]1067-V+?BXD-T,W"*$=&$;F3A(E0?![JD25)X4N/X MJW8Z:)Y9&': /WM_5Y)79-:AH$N6_!Y'!FX5RG QY^R(>(%6WHHO?1+:Q6O."LFRH/DZM=8VH+?HZ\,*#=]<(+$+ M.14HSM#'.$D*X"5ZT[VS5TU&M(S&A=]9)G<"11D$8T ^Y7= MWK?8CU1DFO^0Y_#<$:O#7_+L"KG.)2(.\8#Q+%]O[D)T_M_3@__\])-G#N,U< M<4M_;H^_#]F&I12U4^:/V[607-7ZGU"J*V<>[*Q8*_%/MS0FX%:X03E!SI8 M_/@#]IV?H#B?T]GJG,Z",SD[R8C79,2S>5\\A(FJP.'R HI_9>]7ID6_."SP M=.K,1X=N7 &0[TU/02L3Y$X<[Q04 " RQ@WHA-^XX3>V\ELR42Y,6\8B@=3: M%*$A?=HDN5#=I?B!/JF.*50,UD7+ \-0/6'<94BF$RT, C/?"T,)HB,)YQ M "YO@.'P6_"X-O3K/IHG&TOT99F:E%.4!BI5A 7M5>TV4LA49A%B!Q,RU2>#"<'3L18$ ..[< PF30PFUAA\4<43\LVNY!K1@\KWOER$M;(PGQCATPB9BIO$U$5C/.0"9PFRG#=NIE>T]9X>X%&-*"RJZ:NW8Q&$EK13_M,&54V- OD9K"4 T6BL3@EVM)@([YH3[K.$^>RG3DN<;F7,UYSM3 M>Z/TQX98[E9@G<_,PB,:9Q/B:I1?=A*8$_FBYU6@SE6QK744FSCLL6"PLDQ M!$_3:G,)@(A>G"L --%S'P"@\:1G&<,=L8FM1']E0B UAR.ZEFJ;$=%T7\[I MX2*+DC :OH-3ZYH#&>ND3V*Z]:C6\IFJ%IG7A(AD^P9VH=G8R3-?3"9L@XAF$M39#O&N5K@KR^#HQ;-8;M0;BY:)&1LU#*HXG30$ZIO< MK?;"=O^U24UBR[)L2AWB^SI#0 _-C+R:H+$STR:(-(?K6ZI::84GUHW=;!BU9FJKL/Q0[_YU2XY2KS+^_N 8C M8]5SW[O._ZNWU5F]!>?R=IJ)5BIBNU9L)^@EN@M%O &S80HU8)X":LZ?R=IJ/5KH2NW0M*ZO0-B@7 M49L4L.O5KB9=G7GEZ_(&1'GZ)@Q X2NBOWP!?4U[>AJI-2RQ:]BZR%Y+F[R* M-H3R]'*JXCCK'4RGEV_)<4*!- M(3JKTX?F;G/V>%N>N&GW[_#U$@/W5_@ZJ$X66_?50>?'D&_C3*"$/JI'.5<3 M-5)>G1U6%Y+MR\.Q-9.2I>77'0V5L"T ZO='QN3S1?& Y@1W\2]02P,$% M @/8K^6,=7[SQ P MPX !@:KX2YRKJ9>IO5V[/LJR:"@ZD9L M@>.;M9 %U3B4&U]M)=#4&A6YWPV"OE]0QKW9Q,X]RME$['3..#Q*HG9%0>7G M.\C%8>J%WLO$!(;)M)GP9Y,MW<3Z(_;1XDCOV9)60%<,<&)A/74NPW'RS P M!A;Q*X.#.GHF)I25$)_,X#Z=>H'Q"")(M*&@^+>'.>2Y84(__JI(O7I-8WC\ M_,+^O0T>@UE1!7.1_\92G4VJH4=26--=KC^(PP]0!=0S?(G(E?TEAH;>"39M*2V*RA@]*!@O_^ES)<21 ?*X#;J50;=I$'_%(*H,HK>N$%<&\5M7Z%4&-G2_MC-T*MZ":SB92'(@T:&0S#U9]:XUZ,6X*Y4E+?,O03L^>--6 B==$K,E<<"5R MEN)4BH,"2R\S-;$'=<@[PCAY8'F,J5<3 M7Z-?AMU/*A_N2A^Z7_$A(@^'ZTR1)4\A==@OSMOWS5[$_42,]*Z0R/)%;ZL01U\?KM26N(G M_X+-OOPG[P7?89S_A@<)L+EP)*&W[UM:<&_M9M]^?^/MC7=N8'5SO;/W]K#.0)#DI/%;M1KE0JO.><+#%]>DSN;KOC%TB]"Y9A9M$]<]6X3RC?&-R0W9<0B(VG/V-YXA)#NX-.RH9S8G)&*$\ M)5O)!#8LZ -+ -.K-/8=N3UYM"#;JA4Q2&$+8(L("9K)U?H.S^F'C@VT-QU-?2N#)9X)[*E"X%1J\JT$9<=QL"N"##A@2.A2*W F'PI2$-SF\CCKB=/67@.-<: MY]'< 0I'C9I>.$#QL%GX#E T:*;;/VK$"Y ;>P-2F,H=UV7'5< 6MZQ;>[=H MS-^%XWGHF%^86YEM_+ 0EU>Z!RHWYFO)88U+!3<#S(HL;TGE0(NMO0:LA,9+ MA7W,\&8)T@#P_5H(_3(P"]1WU=D_4$L#!!0 (#V*_EA_I&;WE@8 .H; M 8 >&PO=V]R:W-H965T&ULK5EM<]LV#/XK/+?7<^_2 M6J)D24X3WZ7.UJ9KURQ9M\^T1,>Z2J)+T7'R[P=*MF6+()/>^L76"P@^ $\ M('6V$?)[O>1RJ.KSP5*IU>EH5*=+7K+ZK5CQ"MXLA"R9@EMY-ZI7DK.LM&506(^IYT:AD>368GC7/KN7T3*Q5D5?\6I)Z799,/K[GA=B<# _S!['%-?K=4 M^L%H>K9B=_R6JV^K:PEWH[V6+"]Y5>>B(I(OS@<7_NDLB/2 1N*?G& _J@VNB M39D+\5W?7&7GT\CX@5/E5;!X.^>SWA1:$V X\=6Z6 _IQYX>+W3_GMC/!@S M9S6?B>+?/%/+\T$R(!E?L'6A;L3F(]\:--;Z4E'4S2_9M+)Q-"#INE:BW X& M!&5>M?_L8>N(@P%^:!E MP/H_3NGI+ N^$4(^&R/"9M>_@E3V&XWPP/CH>/P/*]^71O/FWT!3;SUU+R2A%6UUS5IY@]K8(05Z"S[+1> ML92?#R"-B[O^6#ZZH4?>>\PZWZ1LB-;@[VM@4O[=,;])6%51E)]P7^L\WM6M@'H*K;JHD:5+@7WTWA,ST;WA\:8,I'O[66.,(9[C*$3XPU/.<":%[PF"RG* M;0IP69\0>%835D#AT4%:$[$@+U^]2#A/W^8G NU;*#JL5''!QE^>HW9UD(8M'JH63GJVF3)1/,9M&^]M&SMM^ZJ67$+IVUN(81L;_I):(A(C*.+L@B)[*K MZA[B0,@0KEF>$/P!SU01OKZYH M7)D>)2^&.C8 T6#< XW('$3#$>9DCSEQ8OY;*%8\ UYB3!U$7M##AP@%?H0#MG.P!3IYP*O0!4L%ZGY 5U'P% _IJONBBL@*35":DT WQ&8V&">-6+>[Q(9K@ ML'VO8RO/"?R#$-D&R 2"R2Y8M5=K@M/L[HH.&I.G/3K#R(T M]FP.[,C)=[-36QTK41VG#1E^06-PJZT77WVDII _L<5@1U&^FZ/:[+9GM6]R MA^]%L>%&3"RTIDC',O[X62U-D;-Y7N0ZR=&^QG>RU<\V-K]*V['1'8'Y;@:[M2%.QAC)&5NQ1<^L)49)EG S_PJ/*9*I)[/<7"!%*J&5Y.CKSW7P&2.4:Z@14 M"4UHK-W,0.V57.62Z^(+[VI+:#V'T#*A*+#@[BC-?X+3=$$[T>6M@$U!=7=4 MZ,CP ^YGD[P2P\VF3&1+@H[??#?![;R<5XI#O*E=7* @3:J*PCY(1,92\FA' M9M1-9E^/NIB#?-5%SQ*YU*0O2OL1@ EYELZ<=A1'W13W651W;\"=)6R3YXID M:PY[5;6$UEM4G#QR)LGP3QRTR6=QTB_6B!#U+*Q'#_9W;M8[;L4.?(SB-)D- MTJO?Y2)2?IR$%J0= 5(W ?;<"ZXQR"G@+]?T7'=G>\2"?.YO"CV)2PL;0@4C0SD'K))%^*(N.R;@Y3XG?-+E] MXH=A3MK]Z=.P7Z3M*#BLX]_S;_71@9M2+S(H.U#[-:^R50ZIC@(T63((D_YN M').*;$UV<'#2Z>;2&ZX8/,H(-"45Y#E^Q(GPJ&\B1/:0,;4YL>/1X$D>79?K MHCEVWYYFP88 4E'SZCTGA:BA#EVA=2@PZ?*-GQA]"BX6V*!WO!JX>;6M[FV1 M0.&9M!A2HS_!I+S 2@("\% 8 >&PO=V]R:W-H M965T&ULK53?:]LP$/Y7#JV,%KK*L?MCZQQ#FU*V02$T='L8 M>U#L]V#KIODJWG^XNWQC[Z!!$#T^MTF[*&N^[M2\Y=V6 KW(GI4--);6PK(/EVQ5UG4501U"J>)LDY;X74K,CCWMP6N>F]DAKG M%ES?ML+^N49E-E,V8<\;JW+5^7+#!B[P3*UR@?^CFEBR^9:EDB]I)H\%B/657 MD\M9%ORCPW>)&[>SAI#)TIC'8'RMIBP) :'"T@<&0;USE"I0$1A_!XYV?;* M -Q=/[/?QMPIEZ5P.#/JAZQ\,V4?&518BU[Y>[/Y@F,^9X&O-,K%+VP&WXM/ M#,K>>=..8(J@E7KXBZ=1AQW Y/050#H"TG\%9",@*L>'R&):-*+(K=F S9X M$UM81&TBFK*1.KSBPELZE83SQKWVI#MRG^[E#/UZZ3I0X9=1P#NT:67'^W>0\^;PO M\?]$]D*&;"M#]A9[<8\ERK58*G106]..E8C6'8-0U/FA3/:^]L!['GG#!%D7 M2<[7NWF]Y3$$RW?*.8R2.V%74CM06!,F.;DX8V"]AP,;[I8X4OC*4G8P' !\(& M 'AL+W=O ?KE?WP5)DQ3QHMS4_1*3U&+Y[*YVGUTP MUT]2?==[Q@QZ+@NA;R9[8PY7\[G.]JRD^KT\, &_[*0]J8%;]3#7!\5H7B\J MBSE.DO-Y2;F8K*_K9W=J?2TK4W#![A3255E2]?*1%?+I9I).7A]\XP][8Q_ MU]<'^L#NF?GM<*?@;MYIR7G)A.92(,5V-Y,/Z=5FD=@%M<2_.'O2@VMD3=E* M^=W>?,EO)HE%QJ6&:N"PI]'MF%%834!CM];I9/NG7;A\I5^^?:>#!F2S7; MR.+?/#?[F\G%!.5L1ZO"?)-/?V>M04NK+Y.%KO]%3ZUL,D%9I8TLV\6 H.2B M^4N?6T<,%H >_P+<+L#C!8O M(N(+6A#;+:K%MJZ/I:R2>DK#1HLU>U;^K5 M8 T7-HSW1L&O'-:9];VAAD%8#)([M)%"RK+G\"A'&ZKWZ#.$6:-I)6B5W:/K3_03X@)]Y44!X=#7/P(K?: 9NYE FFJF'MED_=> I.?)WWPFOI&R(X,7MG<&+F/;U+U!TN,ADR7QF-FO/Z[6VMCRNE\GE]?QQB-Z5(8NTDSD"M>Q +:-1 M^)#_!Y+(;G"-C(3"DTF1\8(AT:&USS.[V0]*/G+8BVBG9(ED$S_8VU<^>Y9O M&;8W4G;DH?/.0^?1L-TR4)IQVE15D2-:2F7X' 4#G^6-NN4@2BDY'T4R+G.$ M<]7A7)W N6-*071>HT:?_0FU![0O^!SC2HJQ$=UM(K?U(M+SW1'"'UB 0R-TUZ:DI.@H4DY#+G&5PTK4,FM4'33^^\A)X+DU&0#TRZ64MZ8!$TRC2>R.S[S/;3N0 L+18@^G3JAH"(!=CD*X,#]1/BGN0. KR'Q!?!![, MV=9N@IR5ASKGI[_XG8D=#(XO79%0T'O63*,-DYKCT@2P-.3 M6KJ($LAF3P4DL.UU*.0'T(A-FX+3+2]J3C]#[#DKH#V"O&>['[;2GVO92-/N] MXIK7!'*&%0'NP"JP$Z<&@Q83]74-1$]H*,HD(7;1GN65;'>]UZ@+HO.4J?(M^826?JBXYUHVYB\YL7Z\(S BS&6%TAO QM MB)O<'TD_TJT##CGD5QG$7O%"MY55J* =($H(RJXF78.D.?%P7O M\N&X3_&(S$+IVU,F/C6,=LYN0BAWS5\HXZ44S;6V,XL7M8<+<>H]TBE.,1# M/67B.&7>*9DQENLFA]DS4QF'.@2.!I\7\H4Q5 .'][GMLN08[[WB 1J$.DI ME,0I]);;ZB/R=K\8B30_VPOBYPI_]&?RXFSQ;A@^H1(P,^D9TX29\Y_6BYO M@,(D4I^&U6@14)$INA-I'D.,>4'TB:K<;X*',XEC@D=H%3*A)U82)]:ZYE=V MY+86[+JJ>N*XU4.I)$G'B#U2BX0$(^.A-GPE]$/0:>+/WD;0^% _Q^GPJ3G M9G**FP_J22TH7IB)O%!]+CVP%B$-"WJ MVC.8_+>5AF7VI Q-;^LG=WY+W %T?,KC$0F,'*3G61+GV>.DX-U^.Y$4/@+% MXUG5*Q5T>T^S)$ZSG^I#D[K:/&?U:0N"QHVAK#UYL?T)6'76'-+;BO0(81%M M/0]>.69_6)E?_=:Y^%8IT3%J/K8L)Z&29R&[?EE:Q#_GVUPZ39UJ<'W,M M'T1Z3B9Q3M[\')$#=JR!RZ$W7,0T>;XUFN0AZ2=)L,CM+H,-."+GJ@7<:+^ M<_8P>T82LZ1]V "SU6HY#HU':.E\$9D/ON.63#W4G['1J& [4)F\7X%O5?.IN[DQ%E!_+=Y*8V19 M7^X9A0[&"L#O.RG-ZXU]0?]J'3A\8";8XH4@=DK+/^?<%)44T@"V$=);SDD@R M\&T >PDD]Q*EZ^>B_%JM.:^MWS=97MT,UG6]?3\<5LLUWR35NV++<_&7AZ+< M)+5X6CX,JVW)D]6^TR8;NK8]'FZ2-!_<7N]?^US>7A>[.DMS_KFTJMUFDY1_ M?.19\7PES ;?7KA+']=U\\+PJGJ;//[7O^Z_5R*9\,3995N>%ZE16Z5 .%F M\,%YSWROZ;!O\>^4/U/O]'#_>3%9+XD%9\7V7_25;V^&4P'UHH_)+NLOBN>8WZ< MT*CA+8NLVO]K/1_;V@-KN:OJ8G/L+$:P2?/#_\GOQX5XT<'QSG1PCQU#H?\ [9._2.KD]KHLGJVR:2UHS8.]@O:]1<[3O!'[?5V*OZ:B M7WU[7R+!FJ^3_)%75II;R*OBBQ=B;^NK."W75K_85WL\F2W2L4K ME]:5]>O]PKKXY=+ZI6G^*EB+037HX?(X@(^' ;AG!O"OHDXRHMO<MW.VS>$_PLA2#FV=)55D?",2B*T*L\O(K 0C,@'FQV8CWZ[G>H;GWAY582K%F M268MDVU*KTD)D9MSQ6NQG8@8*?,T?ZG^Z)L+HL+?O.W);+W6:7[<53U&M> M6LMB(S;C?Z36/ +/G$K*RIE]$.AVY-XW9-XW7T8_TR8C_PQS9M!B_TN2_(EMY+: M6O#E.\MS_FJYMNM2>CPPQWMF/G$![=__I,SMO]&Z5"/.!K)\0*]B>^X;^LB6_&R^LNW M?>F_=T666>+8]YR4J_]1*?>\YTC80LD+$#"0B0L0L)B)(R!8)+(_9(/?>/^ M]0]Q,IOF8FODE&@/?4%,7RW'52H9 M<^,8^LH0'0N(X2NGM"$Y0Z4.$R$'%2-A# 23U.78;2G9-NIK7YRY:JR'U?Z* M0UQN)$V%DRP*V]I*NV-%2>9P?:4$I0506MAA-2)HQ!A*8RB:++P7'H;3X;AY MW+O2JMJ)BPQ)@=8V2\2$8*XQ[]$$X[^CA]K0C02&[RU$)"T@)J!!N:N0<9ZJ\D*.*H32& MHLGR:ET&QVPS!/E*\1C^OLO? 69Z]]Q@\4E:NGI7)1#U4FN/VUI4>4[,9B#:Z MST .?JH>!8E6CJ>=/$&GR(B85\[4GM)U"JLT M5DNTYM"]DZS'U).LMR&23 Q^IM9!(Z*5XXQF:I*A%7DB9I/D\9DDM5VQ_^) MEI*#+!'/H;0%E!9 :2&4%D%I,93&4#19[FWAWS%7_LWFDJ.7>YV96N W1^BM M2FB)'TH+H;2HR^+&T) ,19/%UE;Z'6,5]O4VTY$K;?:N*D-H/1]*"Z"T$$J+ MH+082F/FO,LJ;(OUS@1F.#G0>CV4MH#2 B@MA-(B*"V&TAB*)HNY]0*OAZL%C+DŸ7.^/Z$+= 2@M M[+ :$31B#*4QU*$T67NL.N& F#KA$Y7RB?509,(=F+BVFF2H.T#$ M%$GV[#+);MT!]V>Z R[4'8#2%E!: *6%4%H$I<50&D/19+FW[H#[(^ZJQ>P M1_9,W;]@[@"4%D!I(906=5G<&!J2H6BRV%IWP'TC=\"EJL1JI0D32 F("CKJQ M47-4[X]"CBJ&TAB*)LOKQ3BM7$=M%4.GR(B85\YT=*:>X;6>A6R!NIY\$1T9!]-4C ME!90$U!+:.0DE<]G1M!AQ5 :0]%DE;76@(^S!GR]&.ZJYX3F<+WU!+4&H+2P MPVI$T(@QE,90-%EXK37@OYDUX).?@E>%"+4&H+2 F("VKU%S5+_1"CJJ&$IC M*)HLKJ8:\.'6P)$H_4*%;@V8X_;6E1Y3JQI3X]*JQD0CPAH@6A'6 '2*C(A) M60/#%[_PT_P(U:>D?$SSRLKX@^AGOYN(MT)Y^%VGPY.ZV.Y_].+=4=?%9O]P MS9,5+YL&XN\/15%_>]+\CM#IU[5N_P]02P,$% @ /8K^6(G7_3UZ @ M8P8 !@ !X;"]W;W)K8D5,P-5HZ23E=(5L[35Z]#4&EGA094(XRBZ M""O&99 F/K;4::(:*[C$I0;35!73SPL4:CL/AL$N<,O7I76!,$UJML8[M# _K MI:9=V+_4O$)IN)*@<34/KH:7V<3E^X1?'+=F;PW.R;U2#V[SO9@'D1.$ G/K M&!C=-IBA$(Z(9#QVG$'_2 ?<7^ 8OWKOY.6>&8*V'\%;9=;A1WABKJ@Y,"BHNVSM[ZNJP!R">PX"X \2O >,W *,. M,/)&6V7>UA=F69IHM07MLHG-+7QM/)K<<.FZ>&/#;?/<-9(UA2<(N=PMF2:4"5:GC-Q#1_@/81@2HJ: M)+2DS/&'>:=BT:J(WU!Q 3>*R Q,#>K+3X:,C>;_P&7Z:JBM[9,RIL8PJH4;>E.C]4JI9JZJG<1[A) MH\$P"3?[\@_E1+,^Z87(<2]R?%3DDCX@U)KZG0EF#%P=$G>4PHV<2U.S'.H-!^N'=\"+Z?*@)_XGLA=M)[W9RHMO3NM*RS?8J/AS,II-7???E75BLU MW/M>*]1K\8,Y*J1MGW'^V@_*:_\@'@57] $;0?>7YIV-XPO>;2@, 544:# M*2G3[4AK-U;5?BK<*TLSQB]+^@N@=@ETOE+*[C;N ?U_)?T#4$L#!!0 (M #V*_EC]ND\/> < - 18 >&PO=V]R:W-H965T&UL MG5AM;]PV$OXKQ!9].<#9-SM)+[$-K-WFTA9!W>1Z/>#0#UQII&5"D0I)>>W^ M^CXSE+1RXAC&?;%7$N?]F6=&.MW[\"'NB)*Z::B+9<2NV+Q2(6.VITG/N6 M')Y4/C0ZX3+4B]@&TJ4(-7:Q7BZ?+1IMW.S\5.Y=A?-3WR5K%T%%;NFT>'V M@JS?G\U6L^'&6U/O$M]8G)^VNJ9WEYOKP*N%J.6TC3DHO%.!:K.9IO5BXL3 M/B\' F-H'R>_%4>R]?X#7 _Q4GLV6[!!9*A)KT/AW39=D+2N"&Q][G;/1) M. M?P_:7TGLB&6K(UUZ^XLK["VRA_U;X_NYRI MHHO-[TP/&B,R__U39^'QPBL>X&U^)T-B9< Z*3/3X/?J\"GH8U_2*@B#>>, MXZ*\2P%/#>32^86.)BI?J:M D5S2G*O318)J/K H>C476J3?>I5U4 M/[J2RKOR"[@T^K4>_+I8/ZCPY\[-U?'R2*V7ZY,']!V/<1Z+ON,OZ/LUU-J9 MOR2\(W7I7?36E#HCPY5WPN=TO#).N\)HJ][A)@&&*:K_;;8Q!0#IS_LRE!TX MN=\!;JX7L=4%GK9\N7#X1W,H9W\I#VQY?Q_U"C_KTC95RB M8)I)YJB\TFO?NWW#?AD0\%+R.HG5\PES08'8K>-IC0Z&(KJNV^^^GZ]7K[, M(G*Q>JE\4E&^V>7OFFUNYT[! LZ?-[O@O]S7\H'4AU3G>E@;=SCB/2(R(P MKK!=24I;JW3Y'DTH]X]4 5$3DW&U\L[>$]M;]'#HS'AU3RJM(F0%MD#R3N2<"KYR\CM$>0C*06;!RD*M!>C-.5:#;*#&/XH%:'SAJX]C,HW+!*70^C>X;.&I<:0K-;,H>I8F%M-,) MP2%&4G33@GFAM^JK"7T&VFY)A^P76OM8+I\0O-YJ" _.D\BR"2UKM=03#!AB" MEN ;U9=R$GD\N+KM(.:!*?9W6L/2Q,+ZV,%+>/JQ,UP/5$$7A>^=PNR M1]?&=Y&Q$6/WI0+MT0C<*5;':"J#8P _HN?5@G^RH]Q&W!: N?&E:B<\- >-MR)EH;E23QTT.&L."QF%Q-,W?"! =ML'?&(QQ@I=/5U]S_8PTQ36YCC*^<*;L M"N8H;\O1)=^@SA*,'AD-&\P'P+3/7E1 CL _>PBWG\!28TIX-3JG^A+J6+@ M%H?EN^X\6W5]5QL3BJ"K-#C!<.B!=Z\'Z$(0#?@$&02&.Q0+#B.]_IKRIE(J M45$:)&D4'"("(8)QXM3@&;/UY:V0!M8.ZJ]Z1^;JCZ&+[_?(@(-+KA?V:E58Z M8EKD=$SM],=XY$ZC1*T+-G)-[+8!._V&7)F40PO8B015 &<2WKCPQ#T[E'CH MOGS[#OF/' 3/-7"60Q2""*H+Z=@XER09N\+X;C1$%HSYR[$7: ;G)4A]XI* M)@ZUN39Y;FY*+&R&-P:YE$XH,T<:0,>@U9BJ! O7]*G12>5@2I>E,#R3_>$< MS^\XTD"?E^?'S]6;S7\54YME2X!GA LQMQR;[T\":SJX @*W%HC!"P<-/;] MQT]* >L%E 0K&-[.,3$T^F-IP,]@YE9 M!]"L&5%0#^[-E):PD RR.LT!UF)!:*P? XYCPXLJH \9XU#"]0&0L#"V0R ML2#T*/G!^GXC?-\3:*1:>#'""\IH=1CWS\QAC]BUIF27APEGE"LF=63.'HH9 M/]D[&OV!1F_>=V7=;RV$%8=+% _Z ;;NFE9VCF&'&D](7D>NPBE<[# M@L>%A8XC=BWZAG@W$;T'G0?Q@?N%HG+&>YK-?3SL/7E8,3J&_2H_09Q6RSB_ MFW].T>>\F=,^(+/J-Z)>;&J$Q1M=!]J=9X9_:[9(]CEUU_'J^ H)<14'/U MYI#PG>;\@V%XZFR1P4D6NRA8M[Q(NW:\0*W[CE!>5:&ZNWEI@!4VX.D XO M/+F]L?]%P\^ENQFQ!W',U:\F/N"UE;,Z"ES#A1I$<"3VA#*C3 GE6T/O&2 M\M3CSD0%%91I.E>/ S6?E;IK1&&00UJ[TOVE],/9JTE)]$ [^HG-D_R&(E1 MFC6 G/Z:*,#[. 6FK:1O^I,B[W$Z'# N]_H4"7(^Q?E]KV2+R5LVAF$MWQ*B MDATROW"/=\?/%9O\EGXXGK]UO-&A9L!8JB"ZG#]_.E,A?S_(%\FW\LZ^]2GY M1G[NL"Y2X -X7GFDNK@@ ^-'G/._ 5!+

P04 "]BOY8=K9!.L$# #^ M"0 &0 'AL+W=O.T>ACW0Y$GB2I$:2<7VO]^1DA4;2 (4[8]V*+(MN^^^[TX\K:;"/!E\D;MW1&(*2C3%?P\NM MF">C0 @5\1J5"D!$XY\.,^E#!L?C\0']}FHG+1OF\-JH/Z3PY3RY M2$!@SAKE'\SV%^STG 4\;I2+_[!M;<\^), ;YTW5.1.#2NKVR79='HX<+D8O M.&2=0Q9YMX$BRX_,L\7,FBW88$UH81"E1F\B)W4HRMI;6I7DYQE M,+5'4P+Z"=OG6MH;LFY:;27NH"?&RF8YCA+/44/&"GO(JW:2-D+D<[ASFA? M.OA)"Q2G_BFQ[JEG!^JK[%7 7QL]A,EH -DHF[Z"-^E3,8EXDQ?PCE3>&R6Y M1 =_+C?.6_IT_GI.<(LW?1XO;*=+5S..\X3VBT/[B,GB[9OQ^>CJ%;;3GNWT M-?0?6XC)E)O?ZMAC32J-FA#L;(!^!+A1FHRDTP=.Z\]H3,K'*P,/>=#=VS<7 M63:ZNEFN5W$XOGH/LHU9')Y ZC+=DC 5#!-B;>H^1Y,#D(ZKHQKJ C41PJ" M#9%<4]=*$],\\D"HK2DLJQR\6R/")^,1?H/W0_B]I.(!) R" #;(686 >8ZQ MH0 U1H)PG'3LD=E@44BM0PB6>\+_2*F*TL=G@TZ^U%PUD8749"(KJ.G?D.JM M]*74),-0S&/8 >".4Q9CO*"26&A!/P^A/1H5.O0VI$SJME=3TQO MI2\I(1] M#^')\%!EJF2_&!:Z0E)MOK4FE %#:?1L=U*>I\0P(6200"P%>B:5"SH#E&54 M&8OC)&N.WV2A$4(-9,"-GOXN['2"1E[_S,U--]7P^D0[IBF4RL6@-++ M&VO#8&/3#4L?LR!K:RH!?@@V9]PZ,1<&^VHV0@6-LK3CJ!MX". V&X:D?S*/ MWYKTTX]>17Q:=K+0,I><$6V'1:2/.SKB'=F%+!H"MW3">)))]XFFQ-M:SC<*# MH_OQ>25Q@<0+N^+_6J+GVGEZ="97:(MX\R 2H=&UQW,_VU]NENV9_F3>WHSN MF"6I#A3FY#H:?CA+P+:WC?;%FSJ>\!OCZ;X0AR5=T- & UK/#36S[B4$Z*]\ MBW\!4$L#!!0 (#V*_E@G+/(3'PL $$B 9 >&PO=V]R:W-H965T M_7[^D&;[(IV=G)[O%"]#H/GVZT0#TGY_;9"77L3W3A*36JY*>G%^\;*(E_):MEK\6'PV>SALIJ5K+W"J=",R,7KP:7WO/7(;7G!K\iN;6=>T&6S+7^0@_OTU>#M$2DD,YF4)"\&SXV\DEE&@J#&UTKFH!F2.G;O:^GOV';8,H^MO-+9[RHM5Z\& MTX%(Y2+>9.4GO?U95O:,25ZB,\M7L75M_=E)!M;ZG75&1JL5>Y^X]L*ATZ' MZ6A/![_JX+/>;B#6\DUX<#*1>GI<03)_/DTK(:R?WR,DK_HO%Q9\39/9;K;_QP*-5KYM5:O M_8,"_[;)ST0P&@I_Y(<'Y 6-E0'+"QQOI,LM"E5OA3_NIS;TH 3_^XSUTD+ M^Z51G#RW19S(5P,$@I7F1@XN?OS!BT8O#N@:-KJ&AZ0_U2/?+$3\K+=K1+FR M(A;+3,_C3&0(8VF$RD5&[-TRAP5:Q9D5,E]"JC0$5YRG8%V^60"Q#;TYJ\3] M^,/4]R8O+&3D^B:F$!N*-4)"G6)8=,8HA='1)BGM4&Q7*EFA:9)M4BERE7R1 MV5"4JHQSM5D/19QMP'&^PX)Z5CBWDBQL3*E,]2Q(4\:V$_U()P@/*%KYX3;;^A]^D\3KX("-T1\4#"F?A'VYU@^[I10(Z4+;6XQIVE) BQ MA,]"9YA3"&@%F.US<:5M208NM4ZML#I+7\#8#,&Q'(JES*4A+Z>0H"CX'5E; MK\O;@C@#-WQ"5,<&5'54NL'<53!D;1/Z\M'H&\73TQ,LNRXDDY!U'59!0,IC ML-)LJKCJJ).L@ .A3OR7MQPSJ5@8O>Z"3.WWTF"?I]?QG!2QB>>9 M)(BM6JLL-MD=!66&#A7W+,%:J44=ED A=MK'\U("3;MBAO@Q%0.8N0JSD$/GEURDI3 ;N (UCB)+<7OCI=BA:H@RDU MY#TH5$,WDQ*+!1VU2 PR9(*AB>$Z9R:!;WM-%C<2TUDF[;"A.#OA'AKN*Z)$ M;IFE!,?RCE,;YY3:W0@D1'+E1FGWO&T\5D^:&&FI2TYJ6VDHA62GG.Q1'BM2M M F)AXC5R[I8S,BEWZCSE0,IPH5Y+)-^.%_8AQ%YK*5S5#AW]7('1><\]J-LY M+67:]34\NM^2KK"Q05;E3Z!)\!"<#&;J?L59_"(]@C[4NA6 M4E@>UP?3["M_@L1-'=AI4LK M->Q(G>Y(#*3I/;"#HGV M.P0 1"\4$%-/!--O]4=MXKC#OEZ? $CRR01C?-^ 4=B[0$;HWQALH+!]$^F MQ-YQ,*%KQ)X93D9AKW>[05;?3>YY%W*9-97QU,"GBS0$PFB)>)F$5_2I/W?FKMACX3K;T[;-@1ST5'G &/.$B.V"?-+LDWD.$XFIS@ M$N&"4.#KZ$3\FJ,"U0D;C.8;E"+/'UL@BV.?^@<97!X15R M '.F#J/@,2KOLB[IBXVM*E?]41-3>2LM>LJTWI.[1BGJ-L)0;EYU&7P5VY5X M1^7D7T':@R8<495#Q*WF@2,*\I8E@:!B*.HW$GV)#IP1/8;5&XU[84V5C9=+ M(Y>0:1N%C+R1^09.NT-Y_H>N=Q=Y;233[Y\V_L^5^F6S/CJEE46],"'$.9;& M7E,6UO$!]">SG8YQJF65A\H7$$?M#.7/1EVQGW??.TU^G[8=4+8'(87*SGZ$ M"S(?H002=.9J/QI7ML*XT\HUM6VP\H6[>"T\8T@3N37DB9'*U\$PF7C\\ MDQ Q+4*_H[[_%'@Z'9#A@FBT!Q[4V8#?:TL%?WP0GL.E-RYUYHO.&(*[9P M-F;P_1UPO.$,]4X?/ '*MTF$JO5G]+WX_AX04L(JD(GHST A; 7_O=;NHW] MR2& 'JN?'RD!]T(T918&8^;E++@'T-@?]P.$\1%/TTXYA(!X CY^NW2A;A8H2[V,%VI+SEE2/LIA>3CY.SN3'S(Q65A5"9\UW H?JJ.&M[2V;-1M26W!$$4$'^/0%G;&Q4M9'?)*8_FHJL@D)W=2IU#Y]5XL:A/=QN'I0B=\&%;O MI=)VG18_016_24-'<$,Z69);46SFF4IH)]_$:;7+!1TP]2HZ/<((^7Y-J\TC M-\5#=D.FLYTGQN33YW\VTP^11L;)BO:4FL(@+E 8WBK:VH4ZWNC90HVH\L%* MIZHI#GOF;+\9??H=4"UPO(**NTX>?E^-]Z@0SRZ+K37UG=P?-XYU@=!EOSG M!=J#1UGL3OB;M\W_(R[=WP+:YN[/%;_P89$5F5R@Z^AL,AX(X_ZPX!Y*7?"? M!.:Z!!OY=L6'P]0 WQ=:E_4##=#\:^3BOU!+ P04 "]BOY8@?@@&K($ M #.#0 &0'AL+W=O86%6(8C4:GPX+Q,IB.W=A,3<>R-H*7.%.@ZZ)@:GN0%OFXF01BT W.^ MSHT=&$[%5OC LVG:J-H-^0,EY@J;DL0>%]$ER&%U>)E7<"?W#<&KU$("T0TOC:80:?2+MQOM^AOG.URDY)IO);B M,\],/@G. \APQ6IAYG+S%AM[3BQ>*H5VO[#QL@D)I[4VLF@6$X."E_[+;AL_M["TX'SVP(&H61(ZW5^18OF*&3<=*;D!9:4*S#6>J6TWD>&F#LC"*9CFM,],Y M:J/JU-2*EVM@908?3(X*KG.FUJC'0T-*K.@P;0"O/&#T . IO)>ER36\+C/, M#M+DF*4N:O^SS@%23W*[#;Z$)7+,5)0/M$H[K!8/K\67@Z>OD(_:2CGSR& M_B,!>Q(@+#"5-/BU9LK0,-JPPH+?0N'C[+UDHJAAJ-$6Y&PS&\AEX'%^^U M?B=)(;4F(CZ'C(2,RHPVG!R*CC[3A*6=YF6MR2O4MY@SP@R3#B$/ MZ.^C-$Q8>^\$2SK9M G6$4D$_<1M(X%%)$F7,01:)EH])W<]>RJ%BYY]QO M4^)0"ZT^BJ(^;'*>YK!!A10C3D6=4XBR&JT7F/>+;-0S@^M"!Q>W"C_8_C M]W.<2 92X TGOEL:6-$NA.66M*_IKO*-8K5;4>I01]<4 JJ;B58*5>]7,HWU??CV%M+_O5G5E;2*9"^F2#PR/MPRYI_8"OVO,&9LG(M!1=FKW"%(LE2<>A]S55ZQ-; MMMU)>,UT3GRWS?D3]=PA=ASW[OB^=>,9A">VXGL"5G9W^"4]_W,?B\/3^@C" M44.!BI]%^8?3PX?=NDS>M=S'A7S6%A*W^7^@G@S@8VXC8%$=KP[\ID#/;2 M4:[A;457?A^M):4>XYG=L*EU:>:Q38>8[?,?(RMW8E]+0 M_=\U'Y'1N8AM(L@[-@"Y!O,>'81]HB9:)2J1*4G7<7[]S*5FQD<>;A@,4Q1Y M'^>>>WG%Z<;8SVXMI:>'LM!N%JV]K\X' Y>N92E6?)U64I[/9*%F8SBT;1;N%>Y6O/ M"X/YM!*Y7$C_6W5G\3;HK&2JE-HIH\G*U2RZ\)U?C5D^"/RNY,;MS8DC61KS MF5]NLEDT9$"RD*EG"P*/K_):%@4; HPOK$:7FL*%D3:-[#B.**V=-V6K# 2ETLU3/+0\ M["E,AB\HQ*U"'' WC@+*'X47\ZDU&[(L#6L\':$&;8!3FI.R\!:["GI^?M?R M*W1&MWXM+=T9YZWTRDIP{^E*:KE2WDT'NY8:9"VIJ\:T_$+ID_ID]%^[>B# MSF1VJ#\ S YKO,-Z%;]\.=:]RD9]B@>QN-7["5=[$FPE[Q@[_YIE/3GY1+A MHU;^>B[@QM[X>7M\?LY=)5(YBW!G+1?931_^V9T.KQX!>VX0SM^S?J_RJ1_ M9)I^74M*35D9C65'9D4:C:.25IE,I=ARGMXM&^ECVD@K23A:F0*'WYW30J8& M/K[4PGIXD5P8M%/5#:5TBP@SS+DN9MPPGE(]F8[T,L=M@4(5ZEL0!S1VS>3 M>!1?8#9J_S'=:+B5V XRH_>P1,F$QD/Z\%"A3\ YHJZM)ABN"@%*G).P 6YT M=HQA@B$YX0&O]P@FU^H;E)@$U S"4J*@PCA'$JSCT2F-QL#E?1%X=!VH9&_V MRU,&1\<,>[NR7#Y?UD: MZ]4W$=HM2J-"3.C_+:P6)[B#=(P_\S@^/@R_$PH,'(Q)&./&U4&L&Y28TFE1 M<_%LE%\#XS5O $-N3.;(F2(+U;U^U$Q@*.G.&1S=@SQ;@R +NWOJZ5K8G+5%4>R63."Y.SW!E@75MK5U MN^^8WL&-*>5Q+^0 V]BEA1>^R3N"NS8:D:E,<.'>@L1 O>L /1LWC;8[/^, MUKUX^OB4]8+:-3 +O:4: M;C"PO:,L6^F,'P>77D#6+):B0EMWP JA:#618J M;X#12^;Y@JW%T;;3JK+F0>$^(@MF M\RP8.(KC'@?&30QU7&R /X#D_PV@Q3]Z?XC_N0_F8.^:4THDBR]S#*_6OKGQ M=*O=?&RN28]BC>7S4_(M0+V0JZ@.NR?G41DFPM<\^)-%2Y-2^-Q!0O3->Z\ MTK( ]E?&^-T+.^ANT?._ 5!+ P04 "]BOY8<80^[&<# !S!P &0 M 'AL+W=O;,=+ M;0-QFV(9UBZKM_9#T0^T=+:(2*1*4K&S7[\[2E9=(#&PP;#$E[N'S\-'/,YV MVCS8 M'!OBJ5G0>%<_5U&-JLP$K82UVCHIF--I5PU#7;T-8&1>Z3JC),HF@2 M5D*J8#'S8_=F,=.-*Z7">P.VJ2IAGI98ZMT\B(/#P">Y+1P/A(M9+;:X0O=W M?6^H%_8HN:Q06:D5&-S,@YOX>CGB>!_P6>+.'K6!E:RU?N#.73X/(B:$)6:.M$02]'Q$MEB4#$8WO'6;0+\F)Q^T#^GNOG;2LA<6WNOPBOB$AZ1(2S[M= MR+-\)YQ8S(S>@>%H0N.&E^JSB9Q4;,K*&9J5E.<6?[@"#=SNR62+,+A3F:YP M> X?TG;)@=TR.0GX6Z,N M(8W.(8F2T0F\M%>;>KSTI-I6) B5'X1;^'JSML[0- +M.=DMZNAY5#XWU[86 M&OXDGTY@3G4<]Y= K]OSKTO\%@A9FF+?G>"..,H"-E#6,D] M5*VI[0!9@MZ2OL'>\",];GW4ZH(W0F8(F;;.P@74W5'F?=>>1TTS!ITT2,?< MP1H5;B3%#N 6AG &Ō]!_2O]XPH\Q&4?$T#J0K8.#R1 &8_K',3^B(=!)I7.H MZ.08@RI[@E);MG>PI?ID2:@BH2-X_6J:Q,D;N(!,O3BJ:"5\A_2Q^P:U7>[M_F%QBG$,;S##1)V3K{J5B1\<4GI-Z4HO[_M*@/FE###0^,O[4392<>#!?)@ M >=XE6>4D;+\-.$V)=XIH"2P/QO$3.V+]K -Y\=\:B.I[,KRB7>O;')2Q: & M']%8YK6!LV3"8^YQ1Q](&7TR M1&%#J='EU3@ TY;XMN-T[&PO=V]R:W-H965T??:5K(K M.9(60W]]SY76]AJ,0V@GPWH?]WG.O5=23F;&?G43(B_NBER[T\;$^^E1N^W2 M"172M8GIXW#ALAH),O)&WI$[:7M8Y/?MM-(^C]K)$]H# M\=%H/W'B)YU1MJK?1B2+<))Y\..?)1H. E+HE>IVF2#I)?X.]WB*]7K#7^VYZ MXIUR:6Y<:4G\]6;HO$5! -+TNY6BQOJXB-\F1F\J43AOH D?VEAIGKU]U!YWC M#?'V%_'V-UG_+AT;M=?'5C'2??@V(E[DG;/F[U,>A(> M2$VMN56AZY034)Y:Y2@39B0\U OC/-HQ)>T%:._0&?@HM2YE+F@THM!GP9!E MBW(ZS14DO%GUA CW6,C83&G,Z%"H*T0(W]0"#/UCOV6NG1LEWA(C2Q]*^$] MOQ]9ICB,9E!Z!+S,OJ#]X0"3=ZW9 \'JXW>&Y*FD6+Q M.:ZH=4T"5F$DGDF[K8)MS'!H?4A0.R #-;Z6T M"#@@Z]0=ZB9,"N))(=#GM.CS9I!)>JW.?S/4B\FRR6@1KR MC#Q];EVWQ@RLD#$>>E+;Y!8RW'>/=T/$R!P!,@UJ MK 6Z1:.48UE;XA*N @VT-9EX8%""2/9#=IU7.H&AM(L@[-@"Y!O,>'81]HB9:)2J1*4G7<7[]S*5FQD<>JSF7N3#V"%6M5-;'O(?6O57#TL>J M\Y'32"6JE+O()=$M:B.\Y=I%]]>-+)T\IGW)<=5I80",M?JGZM#1,G,@OP^CZ6F'T4^UA"R'H%SZJ6,$I:U]2.6RXA)(TQWFK5L18_RPTTF_MAM4&11S&\^9(>M^/A,%^&,W!@VBV#I\?4(!,!K-8'^PXE-96-TA'^ER!)24B M76-NX_I[*8/=BL%!J_>(P>=Y?AF W41(']M3\M0)S0%8GXUBD^4"'R'H@Q'" MQAKOURS-*WQ5??ZXU9HU;L+K_XN?'RBSNL_^.I"2SER&(Y*1Z[A-X\4$@H; M^;!AN+ A]YUK(O&K@9/?Q>[3*2;K4^2RP.H B\['ZWUY39LN2GARGNT'1P9 M9@IU>B2N5_LT@GG])+JK;1"&[_+NJMK%5&N#W+C7K"T@U1JQ9BJ.N[*H^3K0^;1>2'HZ^5U6H?MU/,S;S\5I=/AC%N\[19P1=; MN=I2T<6_!'\W->YW KMA/YX*I%V0A)K. O@^\B@]JL' M=K#XGXJS?P%02P,$% @ /8K^6-KHG?5[!P S1(!D !X;"]W;W)K M&ULI5C;;N/($?V5AG:PF0&XDE=?07L&0>;17;C M'>TF#T$>6F1+Z@S)YG0W+3M?GU/5%$W9DG>0P#"O7;?35:=*O-P9^\5ME?+B ML2PJ=S78>E^?CT8NVZI2NJ&I584W:V-+Z7%K-R-76R5S%BJ+41K'LU$I=36X MON1G]_;ZTC2^T)6ZM\(U92GMTZTJS.YJD SV#$[KS=;3@']U92TW:JG\[_6] MQ=VHTY+K4E5.FTI8M;X:W"3GMQ-:SPO^KM7.]:X%1;(RY@O=_"6_&L3DD"I4 MYDF#Q.E!?51%08K@QM=6YZ S28+]Z[WV/W/LB&4EG?IHBG_HW&^O!HN!R-5: M-H7_;'8_JC:>*>G+3.'X*9A[7@V$%GCO"E;87A0ZBJ&M5X MN2H4K?[1[$KPMX'K"B11%##)UQ1?T+8B^OUP M+I8J,[#ZM9&6-D%1@8JE?A1EJ-CP /6FN-ZZ"RH\.HQ[5[_ -UW!.R7>B70V MPS$Y&^,XC<]P'$\2\5?EW/DW[*R@/$K2B^ZQF+FS:=7F=/IV:"Q9-DC/,9G^_6:_05RIGQE%!98[77"A&' B+; MJ!I. \HPN9,604.+2/'_IMF]SY,DP?^\.W_LIVA?!-D ;PXWC!K@:\]TF<3S M:+$81W$ZYQ>3)(V2V5DTG241^JNK%7?(XFDH_E:)FV:#[B.2!:O"'LHE&*]E M]03Q^G6444Y0)38)Z7]K$!MY\$E;*#+8 MGXK;'Z/U@FVX*QJFYLMD4;15*8 PXWC9E>$^*6T(0)1/3Y>=%]6-2Q#/0W->7NR2:QC'=]_SZTR&(_6H>BAMFG0U2 MC\@H;!\4D?A+WQPZ;$[L8$VSV1[!-&#MFFPK [;+^.DA,' Q"SC3QI[GG?7JA((X+][MF$_OY>]@*7M4YJ0'APEI@L:H#;HA3\P5;)^+7UX&O^^0O*G]33Y('XS'MOQ:Q)8^7@AB#1*)^,H MG=(\,IL-P37H_M-8_)J^*39'+<['M'B1#'EDF,5!8/DJJ&-]-XW.YO/H[(PD MY_%PFM+HD<2MM^-39J?S631+R=?)>#@FX73:NGI2AB*<1>G9A*0FP502QT'FM6[S%1!>ANT9GZ3BH2&DL2F"94 9-%0WM+!$P1F6>+#/C'!]JZ^;P(Q,_&>:I MM^U$F2PH93NV6*%NCH_!@0?6#49OC0(*]/@ZF4AJ/[N'>9B*C,2(.&3!C1'& M:;!N?0@I1^IZ_,*7[B>TWP,/X=H&M(^,')'0-Q4'_2G/%;,)H((>=4["M MZCU-[NA 1!EPL8H"IVHQ!QBU0US-G $Z9:CW#>8%9M1^0V5>W)>7.QST"2UW M#B?#H0-'T_"C3Y_H$ "@ &0 'AL+W=OTNDM+[Y5FO MY_(2*^&.S1(UO9D;6PE/7;OHN:5%481)E>IE_?ZX5PFID^EY>'9CI^>F]DIJ MO+'@ZJH2]NL5*K.Z2-)D_>"C7)2>' 2FYTNQP%OTGY3Q8< ?$E=NJPW,9&;,%^Z*RZ2/@-"A;EG"X)N]WB-2K$A@G'7 MV$Q:ESQQN[VV_C9P)RXSX?#:J#]EX5&N7"% M51P[.$D@KYTW53.9$%12Q[MX:.*P-6'2?V1"UDS(N[H**!\+;R8GENS LNC MR1HW M4PF\!)S4FY]9;>2IKGIY=Y7E>U$AX+^-V7:.'5)3>DN-^C_*;<>Z\ MY\D3C^_EC=6K:#5[Q.H8WAOM2P=O=(%[OP>(6QA9FN85]E!@[&^A@&_2(/ M^MGP@+U!2WL0[T>L??FKI;^*_QU.7/>DC+^WL*EJ04"_!BII!T[H54#FA. M7$@_X5.3S#&XQ-[J NUI83T.0 M=0.W\@&J**3X@&2 009M@_7 E\%6ZZ,9,X1>>UP:2C-Z:9'V$P\SU#B7A+0# M;Z +5T()G1,P.K6C-O(K=$*TT!/T%G/!EWPWTXB??);;R/!MTFD+NDI*8^M0H?)=<_@L[;$;Z'E-R*A::NE&!)3*52@'Y!2M SMEJ0CF7,XG>\U..'EBTF6 M9J^@0]XZ:;?M?Q(/\.\Q:=MJ1QE/?O:A#+YG2%L[T@:;*^&B!(32J']#NA@5MB0=;7KDRR1B;#M[G=]*B)4(C1MZM:BSK\";3S:J1BZIR68'J4G@V[3&IVN6XJQNG7ZB!2C!EM% M$A+^#^E* 1Y,#A)BIR>MTU%WW[[-KX4J8TW8!)18+=,\@$\'2Q3RLKVD-\@Y8)L%SLC3'UT/.]';EELK ?A MUO) [.E"#F(!Q3, !<87TGW:W6L^I%%%WD]&D4>"DW[9VGW&0J)+19A)#Y&"% M,8'&X355"7X?Z;>[5&3>C='; MC'X+'-=0&V\]L0DUAZA?DUZ,DD4LOQ2(*#'C$.4]6,F\]ANL-];<(QB9'8DS&$1%("%M>)Z)M;BW;!P'Y;^C@JU4HP\'X4RE"3!%UWR7P[W+Z7C?N:NW=3:ND-#S%X C M4&0O'I/;I^U'QF4\6V^&QR^4]T1>TAZC<$Y3^\&4_G M]M LZ4,)+0^@]W-#66HZ[*#]])K^ U!+ P04 "]BOY8;;*H\9<% "8 M$ &0 'AL+W=O2VHT2R:V$QAH'VQ+U%W. M/7-9E849X.+Z?'E+LD'@3^D:-W*,Z-(;HWY M0B_O(/!A)\3)/%CC^WDKH109 HROG[+L\'A@.6BX(WRGTW[]^CBV2-[F5$N_&9ME$W2 QBDY7'6*5]&Y>0[ROOLH]&^=.RMSD6^KC\&D!Y-LD!SF3QH M\$.C1RR=#%DR278?L)?VT:7!7OIX=.HOOOK+:K@[VV!1CN[V^U09QR[FF?B M;(#2=\+>B<'YRQ?3_Y2[#UE_+ =/5F8W7 EF"K:Z=FW-S/+*L=]* MP:Y,57,]9]2M'C^.<6J,S#3:._384LV)K+'2RW]X;!YKN9X)=*-GOK2FF96,ML[8T2LU_,:T6.7.UR"17K&YL;9Q@&)5^SEZ]?'&8))3F^NWX6EZ\GH4L&A, MG(R[DA6-SJ6>L<*:"L8%@55+T/MB;[V2&)U(8V8?Y0JZ9B!$:E!E/[)F*B*$36N=#>M8H;#4ZP[#!SM"F$M"FR%W&% 1D4L4*$K==75JUMJ.HJ).L(1RRLVGD0E5\XL M^>2LMN9.A@W5EYP^8U-V:^&!$:DS[.^$ >M*5C+PM),F>]%GP3.IJ+?C-[1O M%^TC8*AW=Y*]"46$6&Z-+S>ZCEAY R/5+2RFT]AZ0Q*.A1NTR4QN>:M_T,Z(M7:"D,+$XRA(US6=$BH_SP:B-!"U[F!]0F+.'.DA,' Q"SC3QI[GG?7JA((X+][MF$_OY>]@*7M4YJ0'APEI@L:H#;HA3\P5;)^+7UX&O^^0O*G]33Y('XS'MOQ:Q)8^7@AB#1*)^,H MG=(\,IL-P37H_M-8_)J^*39'+<['M'B1#'EDF,5!8/DJJ&-]-XW.YO/H[(PD MY_%PFM+HD<2MM^-39J?S631+R=?)>#@FX73:NGI2AB*<1>G9A*0FP502QT'FM6[S%1!>ANT9GZ3BH2&DL2F"94 9-%0WM+!$P1F6>+#/C'!]JZ^;P(Q,_&>:I MM^U$F2PH93NV6*%NCH_!@0?6#49OC0(*]/@ZF4AJ/[N'>9B*C,2(.&3!C1'& M:;!N?0@I1^IZ_,*7[B>TWP,/X=H&M(^,')'0-Q4'_2G/%;,)H((>=4["M MZCU-[NA 1!EPL8H"IVHQ!QBU0US-G $Z9:CW#>8%9M1^0V5>W)>7.QST"2UW M#B?#H0-'T_"C3Y_H$ "@ &0 'AL+W=OTNDM+[Y5FO MY_(2*^&.S1(UO9D;6PE/7;OHN:5%481)E>IE_?ZX5PFID^EY>'9CI^>F]DIJ MO+'@ZJH2]NL5*K.Z2-)D_>"C7)2>' 2FYTNQP%OTGY3Q8< ?$E=NJPW,9&;,%^Z*RZ2/@-"A;EG"X)N]WB-2K$A@G'7 MV$Q:ESQQN[VV_C9P)RXSX?#:J#]EX5&N7"% M51P[.$D@KYTW53.9$%12Q[MX:.*P-6'2?V1"UDS(N[H**!\+;R8GENS LNC MR1HW M4PF\!)S4FY]9;>2IKGIY=Y7E>U$AX+^-V7:.'5)3>DN-^C_*;<>Z\ MY\D3C^_EC=6K:#5[Q.H8WAOM2P=O=(%[OP>(6QA9FN85]E!@[&^A@&_2(/ M^MGP@+U!2WL0[T>L??FKI;^*_QU.7/>DC+^WL*EJ04"_!BII!T[H54#FA. M7$@_X5.3S#&XQ-[J NUI83T.0 M=0.W\@&J**3X@&2 009M@_7 E\%6ZZ,9,X1>>UP:2C-Z:9'V$P\SU#B7A+0# M;Z +5T()G1,P.K6C-O(K=$*TT!/T%G/!EWPWTXB??);;R/!MTFD+NDI*8^M0H?)=<_@L[;$;Z'E-R*A::NE&!)3*52@'Y!2M SMEJ0CF7,XG>\U..'EBTF6 M9J^@0]XZ:;?M?Q(/\.\Q:=MJ1QE/?O:A#+YG2%L[T@:;*^&B!(32J']#NA@5MB0=;7KDRR1B;#M[G=]*B)4(C1MZM:BSK\";3S:J1BZIR68'J4G@V[3&IVN6XJQNG7ZB!2C!EM% M$A+^#^E* 1Y,#A)BIR>MTU%WW[[-KX4J8TW8!)18+=,\@$\'2Q3RLKVD-\@Y8)L%SLC3'UT/.]';EELK ?A MUO) [.E"#F(!Q3, !<87TGW:W6L^I%%%WD]&D4>"DW[9VGW&0J)+19A)#Y&"% M,8'&X355"7X?Z;>[5&3>C='; MC'X+'-=0&V\]L0DUAZA?DUZ,DD4LOQ2(*#'C$.4]6,F\]ANL-];<(QB9'8DS&$1%("%M>)Z)M;BW;!P'Y;^C@JU4HP\'X4RE"3!%UWR7P[W+Z7C?N:NW=3:ND-#S%X C M4&0O'I/;I^U'QF4\6V^&QR^4]T1>TAZC<$Y3^\&4_G M]M LZ4,)+0^@]W-#66HZ[*#]])K^ U!+ P04 "]BOY8;;*H\9<% "8 M$ &0 'AL+W=O2VHT2R:V$QAH'VQ+U%W. M/7-9E849X.+Z?'E+LD'@3^D:-W*,Z-(;HWY M0B_O(/!A)\3)/%CC^WDKH109 HROG[+L\'A@.6BX(WRGTW[]^CBV2-[F5$N_&9ME$W2 QBDY7'6*5]&Y>0[ROOLH]&^=.RMSD6^KC\&D!Y-LD!SF3QH M\$.C1RR=#%DR278?L)?VT:7!7OIX=.HOOOK+:K@[VV!1CN[V^U09QR[FF?B M;(#2=\+>B<'YRQ?3_Y2[#UE_+ =/5F8W7 EF"K:Z=FW-S/+*L=]* MP:Y,57,]9]2M'C^.<6J,S#3:._384LV)K+'2RW]X;!YKN9X)=*-GOK2FF96,ML[8T2LU_,:T6.7.UR"17K&YL;9Q@&)5^SEZ]?'&8))3F^NWX6EZ\GH4L&A, MG(R[DA6-SJ6>L<*:"L8%@55+T/MB;[V2&)U(8V8?Y0JZ9B!$:E!E/[)F*B*$36N=#>M8H;#4ZP[#!SM"F$M"FR%W&% 1D4L4*$K==75JUMJ.HJ).L(1RRLVGD0E5\XL M^>2LMN9.A@W5EYP^8U-V:^&!$:DS[.^$ >M*5C+PM),F>]%GP3.IJ+?C-[1O M%^TC8*AW=Y*]"46$6&Z-+S>ZCEAY R/5+2RFT]AZ0Q*.A1NTR4QN>:M_T,Z(M7:"D,+$XRA(US6=$BH_SP:B-!"U[F!]0F+.'.DA,' Q"SC3QI[GG?7JA((X+][MF$_OY>]@*7M4YJ0'APEI@L:H#;HA3\P5;)^+7UX&O^^0O*G]33Y('XS'MOQ:Q)8^7@AB#1*)^,H MG=(\,IL-P37H_M-8_)J^*39'+<['M'B1#'EDF,5!8/DJJ&-]-XW.YO/H[(PD MY_%PFM+HD<2MM^-39J?S631+R=?)>#@FX73:NGI2AB*<1>G9A*0FP502QT'FM6[S%1!>ANT9GZ3BH2&DL2F"94 9-%0WM+!$P1F6>+#/C'!]JZ^;P(Q,_&>:I MM^U$F2PH93NV6*%NCH_!@0?6#49OC0(*]/@ZF4AJ/[N'>9B*C,2(.&3!C1'& M:;!N?0@I1^IZ_,*7[B>TWP,/X=H&M(^,')'0-Q4'_2G/%;,)H((>=4["M MZCU-[NA 1!EPL8H"IVHQ!QBU0US-G $Z9:CW#>8%9M1^0V5>W)>7.QST"2UW M#B?#H0-'T_"C3Y_H$ "@ &0 'AL+W=OTNDM+[Y5FO MY_(2*^&.S1(UO9D;6PE/7;OHN:5%481)E>IE_?ZX5PFID^EY>'9CI^>F]DIJ MO+'@ZJH2]NL5*K.Z2-)D_>"C7)2>' 2FYTNQP%OTGY3Q8< ?$E=NJPW,9&;,%^Z*RZ2/@-"A;EG"X)N]WB-2K$A@G'7 MV$Q:ESQQN[VV_C9P)RXSX?#:J#]EX5&N7"% M51P[.$D@KYTW53.9$%12Q[MX:.*P-6'2?V1"UDS(N[H**!\+;R8GENS LNC MR1HW M4PF\!)S4FY]9;>2IKGIY=Y7E>U$AX+^-V7:.'5)3>DN-^C_*;<>Z\ MY\D3C^_EC=6K:#5[Q.H8WAOM2P=O=(%[OP>(6QA9FN85]E!@[&^A@&_2(/ M^MGP@+U!2WL0[T>L??FKI;^*_QU.7/>DC+^WL*EJ04"_!BII!T[H54#FA. M7$@_X5.3S#&XQ-[J NUI83T.0 M=0.W\@&J**3X@&2 009M@_7 E\%6ZZ,9,X1>>UP:2C-Z:9'V$P\SU#B7A+0# M;Z +5T()G1,P.K6C-O(K=$*TT!/T%G/!EWPWTXB??);;R/!MTFD+NDI*8^M0H?)=<_@L[;$;Z'E-R*A::NE&!)3*52@'Y!2M SMEJ0CF7,XG>\U..'EBTF6 M9J^@0]XZ:;?M?Q(/\.\Q:=MJ1QE/?O:A#+YG2%L[T@:;*^&B!(32J']#NA@5MB0=;7KDRR1B;#M[G=]*B)4(C1MZM:BSK\";3S:J1BZIR68'J4G@V[3&IVN6XJQNG7ZB!2C!EM% M$A+^#^E* 1Y,#A)BIR>MTU%WW[[-KX4J8TW8!)18+=,\@$\'2Q3RLKVD-\@Y8)L%SLC3'UT/.]';EELK ?A MUO) [.E"#F(!Q3, !<87TGW:W6L^I%%%WD]&D4>"DW[9VGW&0J)+19A)#Y&"% M,8'&X355"7X?Z;>[5&3>C='; MC'X+'-=0&V\]L0DUAZA?DUZ,DD4LOQ2(*#'C$.4]6,F\]ANL-];<(QB9'8DS&$1%("%M>)Z)M;BW;!P'Y;^C@JU4HP\'X4RE"3!%UWR7P[W+Z7C?N:NW=3:ND-#S%X C M4&0O'I/;I^U'QF4\6V^&QR^4]T1>TAZC<$Y3^\&4_G M]M LZ4,)+0^@]W-#66HZ[*#]])K^ U!+ P04 "]BOY8;;*H\9<% "8 M$ &0 'AL+W=O2VHT2R:V$QAH'VQ+U%W. M/7-9E849X.+Z?'E+LD'@3^D:-W*,Z-(;HWY M0B_O(/!A)\3)/%CC^WDKH109 HROG[+L\'A@.6BX(WRGTW[]^CBV2-[F5$N_&9ME$W2 QBDY7'6*5]&Y>0[ROOLH]&^=.RMSD6^KC\&D!Y-LD!SF3QH M\$.C1RR=#%DR278?L)?VT:7!7OIX=.HOOOK+:K@[VV!1CN[V^U09QR[FF?B M;(#2=\+>B<'YRQ?3_Y2[#UE_+ =/5F8W7 EF"K:Z=FW-S/+*L=]* MP:Y,57,]9]2M'C^.<6J,S#3:._384LV)K+'2RW]X;!YKN9X)=*-GOK2FF96,ML[8T2LU_,:T6.7.UR"17K&YL;9Q@&)5^SEZ]?'&8))3F^NWX6EZ\GH4L&A, MG(R[DA6-SJ6>L<*:"L8%@55+T/MB;[V2&)U(8V8?Y0JZ9B!$:E!E/[)F*B*$36N=#>M8H;#4ZP[#!SM"F$M"FR%W&% 1D4L4*$K==75JUMJ.HJ).L(1RRLVGD0E5\XL M^>2LMN9.A@W5EYP^8U-V:^&!$:DS[.^$ >M*5C+PM),F>]%GP3.IJ+?C-[1O M%^TC8*AW=Y*]"46$6&Z-+S>ZCEAY R/5+2RFT]AZ0Q*.A1NTR4QN>:M_T,Z(M7:"D,+$XRA(US6=$BH_SP:B-!"U[F!]0F+.'.DA,' Q"SC3QI[GG?7JA((X+][MF$_OY>]@*7M4YJ0'APEI@L:H#;HA3\P5;)^+7UX&O^^0O*G]33Y('XS'MOQ:Q)8^7@AB#1*)^,H MG=(\,IL-P37H_M-8_)J^*39'+<['M'B1#'EDF,5!8/DJJ&-]-XW.YO/H[(PD MY_%PFM+HD<2MM^-39J?S631+R=?)>#@FX73:NGI2AB*<1>G9A*0FP502QT'FM6[S%1!>ANT9GZ3BH2&DL2F"94 9-%0WM+!$P1F6>+#/C'!]JZ^;P(Q,_&>:I MM^U$F2PH93NV6*%NCH_!@0?6#49OC0(*]/@ZF4AJ/[N'>9B*C,2(.&3!C1'&

"U3*$[&,WQUGU(?TP-WUEOU#R)US60J'"Z-^R)R* M:70<08XK42NZ-LTG[/(Y]'R942[\0M/Z'AY&D-6.3-F!64$I=?L5CUT==@#' MR0N M .D07<;**@\$R1F$VL:L-Z;V?PBI!K0+$YJ?
RDW9/E4,HYF9UP31YJ| MBY.8F-";XZP#SUMP^@+X""Z,IL+!N@"CY #2 M)!WOX1OUV8T"W^C%[%S&"J6N,8?+"JWP3\&!T#GP666<4/#1FKIR/\-TZZS&.]C]<= 3MX.O
W[)5'3[<[UF76B9C,75'H8.'*ZYO^D FD)F!?>X MXUYB%P8)R IAUR'DZ^%XR^N0[S.'W[6PA-8?AIRH$ 2-<$R1&9NW%->*9AO* M* 17;IC"=L1N2WE#@M#+\&P+?AU&R5S0DP]
MG9P7G(^7I'#%T&3PCF>-;:=1NR%3A0FP-,3S)"P+'N!HO0.?KXRA[<8'Z/\2 M9G\ 4$L#!!0 (#V* EA#&PO=V!B:W-H965T ME?GBSK>OWCV9G/EF:E _="M38DWM=
(VOU>+,KRNC9>_/!D10:8P64TK:/S;F->F*&@AD/%'6/,D;4D3NY_CZF^9= _RT]Z\=L5O M-J^7+T^>G:CB6"9,P8<)TRT9,Y4^ZU]]>5&ZK*AJ-U>@#L\]S09PM22G7=86W M%O/[5Z]=6=MR8E47-
7 +P M3-E2T(3#B(\]ZPM&*NWMI28YXNU'6-!VF*:RI%'J_&HT>_#'A1 MOW1-D:N9401\- @;_]Z4@BQ:6R\#-2OP@@USX[/*KNFM5^O*;2Q,GZ,1J+3V M$"ZOL94K:6N0\:NN:U/YH?K9;5?
X[6N:IO9-?,/R:8W6GMOO$^".W.5R@JC MRV:-[[5:.5ALO=0E7$45+F-I8VUHPANLEA5-;I3;EB ,4X'RE291JKG.H@Z) M=9W_[FQ)+\ '!M6L?]CPQKK&%[O])?#Y7BO0FZWV$):W-3T0DFC8=8-1\P8#
M3F%GV&I)06!C]L3UR?@U6#)LC0A27@R*%HZ&N%/3K%:G_C;L\ED]/SUFT^O M/TSYR_CYPX>R\5!-59&&6P\-9ZXB=<%&|T1>P4AR*]ML09324>3$V]+2*Y@(
MC,"PTF=DP$R.V(:'HC+H0ZS(NQ+O=\KXVJY(;"#$[RNUU2C6RXR!>]!:/7HA M7H0)T$O!"8HHA18L@SB1DZIACK"KE>B YIN;&CN0#P6."HZ.9*RT:64*UB.3 MS!;3V9$XR&!6"RBN 1YJ.*
NP$C>&'(S*+]VED M(]/'3Y[ZGNH"_$%@! #!DANK!^"E1"[IF6$8AQID#48WCGGTQF5C. W/F8GYXG MSVXM!K0+$):NS)JJ(DZ++8;2!&0.!F\@7?RQ@C@C"T'09*+OWCO,P45&V7%0)\ M\)0WS
K8B9U;C"2T5/M[[=AVF1%XDG6Y?S@(FIU3.B1:64&]K9V*?4*!45*P MG!R+RC9|X#J0#K;"VTDM-W#P*_T3DP[6EAG.U*.N2$W-B$ $'<+!)6@DLB- M6ML:F%)!YLWH]F#,G.%?$*0W1)
[ZHP%ZO4A4,W_8&W'(28B@)V5)O@-9>&\X/ MBYU(*@'!D+C2!6QBPCX(&5RL,(A8X7FV15[JM.V!KZ>IHN7#*'9;;X?NB LID-#[G7?'A8A"LG-V2B#>0-C0.R*\[L$?2LT3MO'(K"9>0.,P+
MJZMIEV]+>?$YZS*=(${#;"A\HUBR5]F:@:FQ38F?*<\-^XZ'ZF.) MM*>"2EM8/6XG<(M\ W@W[8:)1.ZS92\L_ <6@LGM+8BTA.!*%I:E.G:+$-3@ M7XPE9*#G3RZ>CY^@;BL*+/ZPF^(\@(G&
(3^D$:O]*%P ",@%-T0"W#7FIX)V M[09/>[.!$;]@6--G-[HS90N"W*R#L(.X^(-)6G.2UF0%O6\ >*090LM:]'-/ ML24[[KH%LM6D@6:]-(4LUQ$N.+N_Q.BV+44T@CT,"TE/$@VO=E2 $B()VON3
M=EU:K/>2Z=S;V F8X,\W*=N15(^B3E/4?8$N83\ELBBL0(E$14T%VDP,lHA< M#NOEUL *P5&HC816('UM0B#MV BCX1&?DW0&/@<>+13K+F\3X"]>]HHI&7!"L MM6-
,RF92127!HI/:?)2(1KD#Z6$R;EWEAXZK2$X1HK"GQ0>=H)28)&O<=NA"OL:WMQ=R)Q%Z9):4&"019@=[) MCD= H&OA;147>XA9>-?2W,D/V#12.B?2#V+J2#1O.%6AIT,4Y2G=YVR.ZY0P
M^8C%25Z^EY*W#A1CYO?!SZ5!QE1*5X*7D90LIH]8^Q#UV+W@I06J#G)2=AAR MEP:V4-6;5@+];^=M*#AZ\CEP69$]9;NBZ(JG=(FE>E5 *I24'&<6V0NK9E]T\D=CL3 MLY]2CD/V-
%#!\U$8M@64Y&"Z[@G6L$18,DY\:EID3N-]M79A(VF^E*;3>Z$R MRK>D<%YP.'$0&S%2M&25\ Z1%#-3;XT]>P015X$#]=^OXR.D'%/*4W:VCT.9[ZI#,GHZGZ'I&GG8Y5J5%RIMFHNH;2>5RC5*
[$235T(GJGUU);:/CE MVE[@GH3O;K>>Y=95F%*Z>=6 _PE''9F*N@S\"I^84@#X[H!]IZP,*5A+^ ME^$O0TJZ&>]H9**$KYLVUKTV:F$64L119P@/)+9)PS3O%%"CB+0+1X=4O
M&)SC[0>0OQ"YG6Z0R5#![&%3@](Q?ZF).".B;:F,WU-7A&M+7G$KB!6#44)/ MQT01=$_&QQ)%RHNI#1A;%ESRALPDD@]&01 3+PI7G]P."%XZ">38\!?]!):+ M.KC3:X"9-[IC,*E
YZH=0HHMA.GT2EU/KWG:;X#&8NU<* KBT"XIM!CXW($6 M@A=4"L?-)-H3:PZ&*F02\2%A"%/4YS%% ;"4>IMT9B?IBJ
MN$Y_P)8;BJZ+D"2%J.2F(6WEV9%6,@N;6FP5%9^Q:3Y4\P2Z:RZK*0W!FL& M@$@2"L&>OFFH(_L0P\B2KA+_'6T^B6!TSZ5B9?[A\MV;MC3G,=C&.[>U,N"FXMDS)1Q_FH9MKQ_(?G]=9Q
MY\/F%F8MMMJQQH%Z^TE-LS\;ZT.;JPLAK51JV>']VTOUUB(A5Y_LC<<(AHS3 M#([8-HUH^=B4Z(Y] ^LAD(BR"";7$05@"!&8//((/3DD!]=*5WVJ4?Y4N?6S0
MIIAP=)M0H>/SY2=P]NWT&24%X4R7&VE,Y'0_DTGL\M M&8,D#C']]P,]$+5$GF::U+6QBOM(YD(;-,,D-A(*9$-M6%%Z,?41P^EMS4 MQFUIL /)H=OX+H?7/9U:23D(M%B_9/KAI.7J4'DH],Z4?
5'.D?:A/;O*.KK MV!K)AQ(7],?L.826$R-8+B?=1-%DJM> IS^]J.IA(!KR60+2C+**7$ZIHO[7@E*R:A M(#!Y8[YR9%%S;2L4+]57,JR#2DPXC.&E8BVZ3L4R6:RM=6F;%5>ZD7+$[)(D
M$H3/!4I(UK!B3!)]<.=#BY()S8R*ABHSDY:0@\^D^J M^A$U PA24I]>T(%/)XWOH #VG\N901\#$@N454PA]$)-4H[@Y 1XMQ]F0Q:\ M)LL[4@I'9UQ4Y'BU:NJ&3YY"-Y4*G%V7M ,46>]%\\8J%]-
D!XX!\A:]WT3!7^N[+>4 N^CXW'0F:-(C/']>D=K&=? M/$,Y3]F0ZC9XR8KJ4=5(]&)K9M:#G:I/*WJO>.8%"FZV2D=?ZREF@PMA]Z!PR!:?M2-5!>
MSTTMN+$T]&,I;P+*N)U41K%8IG/&NH)S1_^RS\;(#64"OL'R$S=)&W)P*TYII0ZE#%/%9EA',11+ MCRPD4MG*,5I[X]^G ML\/%,1^SPO#@<<1A82(?P("0^*<\/5R3) 0Z(D@Q?+Y\H+FG^HAP-
AIW2_: M)"(@*AFCE\+FXBE9)8K3(ZTZN8NTZS>S6RC:T#5/@0:KOS+5QY:99X0Z300C MK3.VSI/<,;1'XP'X_/Q-UYS.=3J,?D$N>R?_V,ZX(?Z1Q3B9W0O@U,>J-D"<]A.GXW$ M $+"P >R'0,G;F?
DD1+ #K>.IUN0M[AV>U:>M$/"IX9VCP[$%M9.:;82YG2Z M=H'(A<"'MJ.6BD0N.MAB8^YKE@[PNBA?M,/%WZE26(G?=!"?[BYC6*"=ZUX MH^W,""#G"&"_T:+_ZGM@_X#:4_34!]FKCE,V?K2I?
P4XPZ3ZS7B4^ZTQ\WG2M3 MW8.%7[N*3\"IG D'&DQ':J2$L#V\54/?1C'-.%3#G.(W]W]":9A477%ECJ6E M@4D"!B*P1$5@ L5V-8,],O8M. :JI0*GPG7G71F6]U=A.:CH'S"?
$W6/E070L>7P*/_=THVD%N M_QT NI\1]V3V**Z2,FXIU$,0I[O(=%L=^'IO% UAI$OU7X:C%^?_!W TFG]/ MS_%^R!T8>G'^_QCZYV%HIT_5397N"Z*<9/Z%*KX(Y/KAB*5_&W'$"*:571
MS1(V9CGET/#%;]>3_WB_4N5O7X?I:N%%.%[P2KV^GUY==2\G;WP-UKZ?+.6F@ M1MH])K6C.Z#.5SS<!6@VK@""$*DW3:1I_:H)4C>+AVWL@G;?R*3I%!I*W"
M13PJPWS(HL.l8JXZI1V#ZE)^0P/5AI8,5P'\+NT2>^2])=*I%?-C>) 46Y1=":Y;=1VLC"!?F.3MAPHR^V5'1UP6NJ."<%@BS88JB\=:(VBV:], MM?-[5.^DP0)36O)D7?88E?
E\E)UW*J90O\UM)7W$C>;/R*%]Y"]IX!.N%?VB M@7@AE([SXNA^*N-^ /"2)/23^0V?Q)NLR9_I!&(-81[/L(6N^2N#\S7T7;6;1TSOT_1L9^UG75^]+A" M=<_O_32%)??+*:GZ1>?4_FA8SM@-
Z*Y8[N7#X3[(,A,+U8NKEZ2Y7W^D[+BY0U?T MOM@213Y\2(K4?&_=O6\ GO4ROA%UH307N:Y%PUH[D>V!8,G&^LT#[AUV]RW M#GB=C+3*RZ*8Y9I+DRWG27;GEG,;@Y(&
[ASS46ON#BM0=K_(QME1\%UNFT"" M?#EO^1;6$'YK[QSN\@&EEA]LE]8P!YM%=C6^7$U/RG\+F'O3]:,(JFLO:?- MS_4B*X@0*!"!$#C^=G -2A$0TGCH,;/!)1F>KH_H7U+L&$O%/5Q:]8>L0[/(
M+C)6PX9'%;[: .0WT\4P)3UCETY?M.]WR0\9$].'JWA@9;&FZ/W_L\W!B<%\ MP*#L#!X2EPUST$*L.HOP!Q(S=6A,:SSZ;&NI_V^=(9^!4'CFMRA0!:L>5ZGI"A@.S M&W9C]QJ' #(!
MO%6'/C#=P6LY;*FXZNXQ:'$REE' M@$X;JVI 'XA'-4?7W!]32)4$VE31XS7U_@3C0P"":/^ MHFO!V:QX^Y33C:,ZP7OTAYJ]<@^&ULS5EM<]NX$?XK&-W<-9E1)%E.G&MB
M>T9VDKNTDZL3]W]=Z?0#1((4$A!@ -"R[]?WV05(48GM^GKM3+\D(@'LZ[// M+NCCK?.?PD:I**X;8\)9!-C^V(^#\5&-3+,7*LL5BKG&QGQZ.MY:+V2)1]] MS'RY6!S-
&ZGMY/28WUWXTV/71:.MNO B=$TC_?VPN-I/D@I=:-LT,X*KZJ3R>K@Q=D1[><-?]-J&T:_!7FR=NX3 M/:PM3R8+,D@95422(/'?E3!7QI @F/$YRYP.*NG@^'X4S@?\4VJUU,1-&%Z)I\&!8TVJ;_Y76.
MPT,.+/.!)=N=%+&5KV24I\>;86GW9!&/lA5/@WCM*6D7$:/58US\?1,!AV$ MJ\2%5T'9*#E6CRZ)9DKB\0^*1>.LW 3QVI:JW#_MAW6#BQ+/EO0+_U-
F9.%Q,Q7*Q?']/O,/!Y4.6=WB'O+_X6EK]*WLZ%>?. M!CA;)L>E+?>WB?]]HS>9N1_($;\=:.$ME%YW8PB M!\K;@X33/[IM VI9*>_89?'6%C,.L\;&T*V#+K7T@)IX]-TWWR^7BY?I"#\<
MO!3.BPBE>>W<-:Y-T/Z/%O+!57[]SG<\O\POIE>BL[$H-:Y?D1U A$#;PG2E M$M(8(T\+7!TKEHJU-%"O1&I+,$F*K0P@6P]%D.)= M(W(]1YZ'G:GK#L<<,$7VCG-8ZE
8%SI8"4L_=YKR@2S(HG"=Y72VR%VA6X,= MM;((L3&KMI=O.3/EI5S=#@9JP;&%7(\0^KU44//G(1M41=1!PLGKS/T8=[MKC,E!8C:*8D&2#YV-O6KK8Z;.03^$,3*V@Z.?DC'L;<7^>7%X,$T!?
C2JI.%H;^54;#>ZV/3A"O?&B]R;B7/E(_J^D T%CZH%T5-7 MVG6!L!%"=U>"MB@$]A0C0]"5QC: '![3E$$_R5 J(RH+P%R[4K0C'IJ!1GA/ MT->B2>TF.8UFH89F,1W';X"/;%OOKC4ZNH*5SPZ^!?
QI+HHK93N5\(4]95<0 M1SE3#B:Y!GEF9^3 :!AF/@&F.7I! #D,_V0AS'X"]:5[= &C#OZ(NN0L>BIQ M:-XWYVCQ[4RLM"^K&)O!,$A ^]6"U"%(!KP"2((#'=(%@Q&>-V52D-+*5A$ M :
%O8F"0400A!LK/?68M2MOF#0P@:C\E V9B5_Z*K[=@MV1+!?Z:G):R8!N MD<(QUI.W4XE<%Y3D6I'9&]SU'K'2,;GF,1XQ]@#.R+QQYA35;)_BOOK2
MZSWR'$@(EEE5,V<12'$03MT=@I%QGHL]))\)2H<&U9D95B+= -S@K0>Z.*HDX MQ.I*[[ZY*C&[:9H8^)$KH4PQW^ZA_MAX$&'SX7[U9_%T1MAC0!G@$FA%1RI#
[OU.Q8U<$0)+@UF@F8.6BH^\]? MI +:"U24>QZ,6.#4$TFB(V$/U(O0#UA)@?F#$1-SNM:4W#(@]8;*Z1V%;3BAs]]#(/'1P(SL0Z@ M61.B(!F*9-30RD!@+#0MD,M+
M],COP21_S7R?"32HFGDQ^0O*;*4?YL_$80^8M<9DEYH)190ROGDDSNZ3&;Z8 M.QKY20W6?.S*.D\M"B,.I2ZD<0)LW34MSQS]##7LX+@.7(.&%QUU1,.5AP&/
M$@L94S(MN$;1;,)R=S)WQWON9XI*$<\TF^JXGWM2LR)T]/-56H&?1G([WX_MA>AKWDQA[Y%9Y8DH'QLKH>..-++P#M5I'C+ZO=@]!=!,&['$;!+T,@)J)=[N M;R3%'PQ#76>-"(ZBV
7&NJ%!$FB7E@:8=/GF"\J5U$:NC2(&C*DX0#HT\3R MOOP7-*US=1-B=[*99\9PI66]"QY;$Z YS=A1Q <"CVF#,]3#GD2T+M*0Q\-3 MQAR("^TH]/%UJ'B!GB,WGUC@2Q(:*7FV\3'SNN BV0:[; .*H?
M].7RZ MQ[T(;VXN* CPJ^ERG[B[3. %LNY&O)3R"RWOCT?= ;F*X3J)2%X(I"D@41?7USN[B_Y?DWK-)UW,=W" M2WVEN0!['.=,.<7PH%;L-Y$D>P.%+F:HBQK/B43H*3Z*.*+N%8F)) YBKJP[A_
MV8XSA,-TXZ-+"]F'2'>1KCJD=R9>:C#^"XG-;\F1\H(H/2M_#A[?"7A%7Z@+[; MGOX,\4[ZF@8XHRH<7H^'Z]&D_/437\N?TM8O1-?QSHS#,>=] |U%D*S MIR(OU>5LK?7F?#Y7R5H4L3JK-
J+$FV4EBUCC5]|F:B-%G)I%13[GEN7/BS@K M9U<7YME'>751;76>E>*C9&I;%+%OA%YM;NM]/=&=^BRB)6XK?+?LE2O+V?A MC*5B&6]S?5_M?A*-
/A[)2IXZXT,RKM8QU<7LMHQ2;.AC2Z,JF8UP&4E&>5!2[S-L$Y?/8@5*-;L0UD; MF)@Z?HP7N5 G%W.-'6C>/&FDW=32^ %I/ONY*O5:L7=E*M+]]7.@Z^#Q%MX-
MGO3XCVUYQASKE'&+NQ/RG$Y=Q\AS7E#W7FPIJ;-RQ?Y!O?D!S:PCG^,Z9N+1G,;OZ\0?;M]Y,8'4[K.Z4]*L'!&^ZS06KENR7C9"Q
MP7LO%!Q.L<5SHP39BC5ZJ3$=)G<9U^%QC5V[+66S)7!HO+BMBDU%:F9@ M70I[B.' MY^QQG%9+3-)02 MX[1#!4M*=IR [DRK$Y:L8Q"MV+%]PK#:[12U/78;;S+253SA*,!T8QA@@FP6
M,8^_:!!GRB#8AW3D$9%FD6X\[JGSW7#4(%Z/KKOROS!(R/V!5'LHU?M^@W"2 MU_&(/YA@X WP4,%MK,":_5]V*WL#[1FT"(LDF ?;X:P,N>V)%G=B_.=C@
M_C:O'H3DO9X3T,@:RYP&ECMJW6&0M5?!%]:%?,.UC5S7'LI%D'RG?8TD:F*9 M&_\Q\<UCT1PLU@'S>(Z'ACC2(&_M9S(+D#/_7.3Y@0Q@<-0U2"@P(PX6&(3[[_7G?[>]T__KGN68:FF*OS)I:KR
M+(U)^0]E4A6"W0A,$>W=8_PD1JN#212'JX/Z8"MPG0 M-I 6-<"LOM,$\(S=9G9J5U8";RR:8Y+[\W&F-Y7 MG(V!]+HQ=4WH-9I!X\!B_T0@,V!.Q4+##5)1;(P.;<1\^4MQ9?(+@++<(3EF)
M_O/8C;"YYV&(0E+:!N)?ZO!L)IXT:)H%-N:B+CHFCOP)OS(UE$D>KDE/YAQR M?6RJ;Q^)U$LR? MBM?]T$K&TMLNT^OQQ(<:WVQ4$O*LCM4'#3V,,")@7+6_(SG53BB0I6BLSG*
MCRA/IZ'@,*IG_7$EL99\WAQJMO$=V_*F?"H?"=XM>_<92I>K:18=;YS+SZ+ M4F$@%34<(RC] MZ]/W_[EMO!-R.NRP-I3F%D(B1>?&=TS]\^RN1VG3&?PHB/86WHFER:HVVC X
MB]^72SRAFT(?95PJTSOO)4R<'-T"!)".2VDMQ5DC:1%Q5^=$CLP'=QX4CMSW M&EVAW)O&-*W)7NI\7]'$';3'=:F:M$-3E9DPZ>D) GN]1."CVN_QTVG[,C^TSUFLS$M42!=8 @%_K"_KQW-
X\'4P2]U,R]T(\1G MNJL:.S#F@T^W +XR'Z@5LB,JN_HK;O>T^P9^77_Z[:?7']!O,B 5*I:+)99; M9P%*>UE_E*YO=+4Q'X(7E=9582[7(DZ%I EXOZPJW=[0!MT_U?_U!+ P04 M "]BOY8SNX0T9L#
"^" &0 'AL+W=O MV]*D+X72);.TU>O8;#6RW"N5(D[[_9NX9%Q&T[$_F^OI6%56<(ES#:8]2Z;W M,Q1J-XF2]#E8\/7&+NH-X.MZR-2[1?MW-->WB%B7G)4K#E02-Q21Z2.YG(R?O M!?
[FN#,':W">K)3ZYC82\TG4=X108&8= J/7SZB Z(:'RO,:/6I%,\7#?H MOWG?R9<5_.BHQ#\MYM)=!=!C@6KA%VHW0>L_?$$,R6,?\(NR-Z0<%89J\I:
MF1B47(8W>Z[C<*!PU_^)0EHKI)YW,.19OF.63<=:[4 [:4)S"^^JUR9R7+JD M+*VFKYST['2!QNHJLY7F<@U,YO"7W:"&OPW3:S1P]86M!)KN,+9DS>G$68T\ M"\CI3Y!OX+.2=F/@O# _C6D_71X
6_0NC[P M>(-?=GV!@EG,X<&5"K>< _/ W84525#O_G8M ,# \;\#UT]W9L@PG$36,0?V$ MT?3U]^2F _8"_6%+?W@)?;]D_LPK@: *^)\LGJ-^$?P\]25FB]"_5TQ; D>7
M5UCR9RA#HL,!I0E]FM]%RY=[# Y6G]A>%05DRE@#';BE_]>O[M(D?7NR6^ 3 M:L.$<7X2ER>N*B/V=*%D2CM[(B#5+,T14+-]WE=)%^;UC?(2I2V1>*/1
]=%NXP<'J3Y(4RA@B$HK(*LCIPC&64UK0 MTV>&L(RWO*H,A9SV#G-.F,FP!4M>< /!I-VG]/=%62;-GI4*B$@^,QM M?1"BT=A?-?:9A7>88:DBZ4%R'8JN R,7#E]AC\QL8,OV=5[3KB^,JT'WA'83
MSUM(1BZ2#3?2F]83<\SK$XH(,)V:0I)ZE(\2")&*!*BW*+Y. KI,JHNF M.O68D5,Y>]1DD[*Z4K9FFJUZ&I-;+" M&U4B3*+H*]P8E\%DY-=F>C)2C15-J'-S&-]/,Z7N%KQPW9D<&%\E2]05^,
M@\@10H&Y=0B,/H]XAT(X(*+QL\,.>]?.<%?>HK_UL5,L2V:P3HEOO+#E.!@& M4_"*-<+.U>8==O$,'%ZNA/$C;%K=019
WABKJLZ8&%19:OF663D58;T$Z;T)S@0_761(Y+=R@+]VF7DYV=S+K\,EG 9UNB MAIDR5J/E&BGW%]8H<<6M@>?W;"G07(Q"2WZ==9AW/J:MC^2(CROX]*0M#;R1 M!1;
[]B'Q[4DG6]+3"Y@3AT9>0AJ]@"1*LA-X:9^$U..E1 #F!\+]?KND/%#1 M_#@4<(N7'<9S%^G&U'S'<4 WQ:!^Q&!R?A9?1:],L,UZMMDI],F"+F;1" 2U M@CM5U4H2<>-FG^@2SU!S5?"
<4S%KRWV3DDD!506%O)D H8V (MUQ!?09P1+VN%+R33DTIWI$_ 9C"^<)0C-Z2.N).2I+N+]?Y=_'_\IZ3]C"24 MIY2>HZ&MJ;/WMMNOH^O>VTIIRW\SWUFI-&J*B5I]1ZOC2;DC[81>E\?L8C_\
M7LEG8&], 9AX5X>$MCJK,@T.D22Z9/ M9(6"5G*I2F9HJ!:!KA2RS 6511"'X3 H&1?>=.SF'M1T+&M3<($/"G1=EDR] M76(A5Q,O\C83CWRQ-'8BF(XKM
9FF_5@Z)1T*%DO$2AN12@,)]X%]'99=_Z M.X?O'%=ZRP:K9"[ELQW<9A,OM(2PP-18!$:?5[S"HK! 1..EQ?2Z+6W@MKU! M_^2TDY8YTW@EBQ\,\N)-_(@YPS5A7F4]_8ZAE8O%06VKUAU?
CV0P_26AM9 MML'$H.2B^;)U>PY; :/W N(V(':\FXTE7LT0%-VM*LD;P;T4J2^P=P3W=!_^)S0O4O7%@:,"?K'Z0MZF6# M&K^#,H0[*TLE.'%ZR M5W:C%IC(-B>@X>2%7!M%E^77+MD-
:G\WJBV@.UVQ%"<>58A&]8K>]/!#- S/ M]W#N=YS[^]'G,RK(K"X09 Y[TK:+]G^ ,95T!"\U4X90T>8,9GP-99/$9H)2 M@"X%G6%S85)EG4OQ;$5SE.$5&JCX1BJMH;M.4M'O^(5A88KI/HV,$>!.2=?
M'VZ@!P?PD9X1/='0O@:4*"*&V@!O,N8/> /Z(DB^PI[0"5*!2BH9)1"D;Y! M(;5-I[^@QJ3I9 1=Z#XAPH,"< M0L.3TX$'JNEBS<#(RG6.N334AYRYL;/RCK0>BZEV0SL!MU?R?0/4$L#!!0 M (
#V* E@2+GEI$,)L& 9 >&PO=V]R:W-H965T?Q^2[CM=(/)D.TL"ER:29!9FTY"D,39UAP\PCQW0$3C<8L9-"&=X_Y\A [..R*G>F\@)Z9*RL)K>
M"O*STQL9JP+AGF_00.N>+W,T9^/0$K0S"_MS*R&82_!%629L9>"L33/[T M#XE2PXOM>,W84< /E3R'3O0:6,2Z1 _ZCGK2[D<71_AV&[[=8^C3!55?4N4(M*H4]IG,MGH0K"'.
(\%'(PX3O,P1+P.4.&:;< ,4KM3"N/"63%*54_D*N1K! M F,E$WBLN+;H 5W"82$V4-0WH-Z@_*'/7S-QB71#9V\VU_C&11>U0FX!C154 M:X3 I:QX#IBFZ"MW9^3L-5G $]DG(2243HVT%A8+
Z](@P&CH]6EH=X9NC 9T MA,15%%#2]!*PU+\LM1;K]%&#(SR23M'H7A@]!"'!88N5A!\5'40B? \Q;A?6 MF8@SD,HS6:+$5%@0AEI4K%92_"+N;?HQ^KN4;8\:6O)SN#T9,C:[.*?)XO@
M(QVT_EM,JW<&K0'IVXR&_MGS#?!@^1Y-?P-02P,$% @ /8K^6-T=C'- ! M^PD !D !X;"!W:W)K&ULC59M:]LV$/XKA#H4 M"3=#9>K/\4MN_DZ9HA[5(XW3[_P#+9UM(I2HDE2<_?
O=D;+B98X1))8HDO?< M<\?G2,[V2C^8'8!E3Z6LS#S865M/!P.3[Z#DIJ]J']DHW3)+7[J[<#4&GCA MC$HYB,,P&Y1<5,%BYOIN]6*F&BM%!;>:F:8LN?[G]3:SX,H.'3**W.4L=@**
**M,:OY%E9@?I2W&K\&'4HA2JB,4!73L)D'RVAZ-:3Y;L(? O;FJ.THDK52#_3Q MI9@'(1$"";DE!(ZO1[@&*0D(?QL,8/.)1D>MP_HGUSL&,N:&[A6\D]1V-T\ M& >L@ UOI+U3^_0QN,
(YDH:IV3[=FX8L+PQ5I6M,3(H1>7?_*G-PUL,XM8@ M=KR|(\?R(I=\,=]SS3-1C1JN%"=-9(3%2W*RFH<%6AG%S=<5Z+:&G8+FJUV M7
/C5<&N55EBSE96Y0_LXIZO)9C+V<"B1[(;"WZE4>/7T'/V%=5V9UA-U4! MQ7_M!\BTHQL?Z%[%9P%_:ZH^2\(>B\,X/8.7=.$G#B]Y>_A_+=?&:E3+WZ?B M]7#I:3BJH*FI>0[S
O@'Z$8/'^792%\Z033NRZ3GTQ0HKLF@D,+5A=Y"K M*A=2<"=N[/E2^1*ESQ\&"F85+6/=6&!7W(C<+>Q'(;&C8#>WJU/AG25P.KS[M'3!QY+MI?
>>M[W7GNWCVS;BU6JP;2\JBV9_5OL0M*/>Z,[02.R4+T(;MN6'X MOU$2=Q###+MR@09]8#U*B2]>V2,.CK6FGN9RR%:6H8#\;KBVN+I $V4H\L=)K MTG>@HL
IJFN0M.B1'+6^(3=1(3M@O[XR_ 931)#L,)/I,T8K^#,5.&>=F MU@AL7.T4XE$4Z,G@5I%+3@/OWXWC*/I0O2/\.+GCUS(%VE9@E8N\2<3]L.N) M'+]D.78L0[9\!(V;+6N3B-NTL6B'-
-=#!I#@YC1)\3]S[9K/!+90DYL!Q$V4& M\D8+*P C]GL$^:Y!.QE4R)/ON<:@$87%^#OK]L YC2+\C;KWF9(9=B4S?')_M+/,<#P/-
R94O]3NH&YWO<%,WIXKA/#3IWFN2HO#2J[6BY:;%MKB*)%KM8\8# MK/.%^WW&:].(AB37+^N,126,8LN_Q6;-1DO9&"4T>1WVG MIRST!JO_!84EBH1?
5%%O,AKU)A.R'(7]84RZC,*6;?*:V^$HZV4Q<4V3?D+& M\;"E^JH-19CUXDE*5JEW%86AMWD+6RSWWCA&QG'B(6*[F0@]4Y9OGG+9T,I2 M
0ICW+:3*V/[IIU0Z.#]02]!;=^V@^4UE_=G<]78WFZ4_T)^G^VO15ZZW GU) MV*!IV!^A*K6_:O@/JVIWO*^5Q&ULI5=M;ILV$/XK!W4H;*"(+?DE3IH82-)VZ[!V0=QN'X9|H*6S390B
M79**D_[ZW9&R8BV.DV$P++Z(O'ON[N$==;8Q]IM;(7JX*Y5VY\G*^_5IK^?R M%9;"'9DU:G]S,+84GH9VV7-KBZ((FTK5R_K]<:\44B?3LS!W;:=GIO)*:KRV
MX*JR%/;^$I79G"=ILIVXD|&PMECA#_W5];6G4:Z04LD3MI-%@<7&> M7*2GET->'Q;\(7'C=OK ELR-^<:#C\5YTF=]##W+$%0SQ((*^<-V6]F1"44L=6W-5^V-DPZ3^Q(:LW9
%W5!10OA->3,^LV8#EU22- M.\'4L)O 2MY4LD>3WDM_C**SXO\X9/1ON5@_>ZP**]OT=0&!S9%N]E=#@KY4^ M@D'_#63];'A WJ"Q?Q#D#9Z0]_YI)?T]_'4Q=!X21?
[>9V,4,=PO@H_-J5N+ M',\3XO)]/6K=-Q_>P#@L $X/"1],J-C6%0*P2S@:B7T$AU(#2^*V_P^ MS!J-VN^SZ[#F+RN$A5%T;*5>@F<*$-^]D,H!:8P'BIU'R'CL5Q81\]U"7B1\
M&%OIL(78!,1Y"[$BQ*FF1\H]'.6I<2$+:@??0A4NAA,]\'ZSE%]SW63<&]TT M!?P$G?%DW WM*1$FROAG%$(C7'#>=&\"4QX:6D09&T$%Z6Q7OX(.WCMBVS; M0F9!(YA VH-
L[>8**D8,-(PD)_X?T) -R:X)>5>D#EZ'O@I?*; Y2$1QH!':9(R&MX*5472LEUI MQ^RBAJQD3G5J4G5;O,O"<_!\W&L4+SHEI'4219-LQKN/K=X "LL^<:V#/0IQ
MV3W2#\C980\'G)&G__<\M+S[Z%CLGO?ASO%[WE&#&(!Q#, !B^I M%)%WD]&D9N"DW_3:<^PDJF243**+'&PP!M!8+B542V^0JD)%V$=5@M]\YLL%2WO1N\]K/X [-=0&V>>K
DUA\LX<4H6<3B M38Z(%#H*7MZ#E<2KJL9Z;+AU.46K!?/G_ZR8 GO!U5'R'7E+)JD+ MIC>>)QA,%;13#OEYO9YF(C(MZQ'Y;'+Y5/9+RD M'*-
P05O[1\>C!&R_<>!-^MPXYX;3_?WT%W1!Q-:7D#O%X:B5]80?,)-OT' M4$L#!!0 (#V*_EA23<-S@0(&8% 9 >&PO=V]R:W-H965TKU M @6MID$<;!;N^+(V;B$L)BU;XCV:
[^U,V2@<6"K>H-2<)"A<3(/S^.PB<_D^ MX0?'E=Z;@ZMD3O3D@IMJ&D1,$ HLC6-@=GC&2Q3"$5D9O]>D>,K26C_A56?FXX"*#MMJ%F# MK8*&RWYD+^M[V *,HS< R1J0>-
W]05[E%3.LF"A:@7+9ELU-?*D>;<5QZ7[* MO5%VEUN<*6[D,TI#BJ.&#P]L+E!_G(3&,KO]L%RS7/0LR1LL.=R2-+6&S[+" MZE]\:!4-LI*-
K(MD+^'73AY#&AU"$B79'KYT*#/U?.E_RGR%*ZY+0:]3+W#_/ MY]HH^RY^[:JX)QV$SJOG.F6E3@-K!DTJF<,BO?OXCSZM$=N-LC-]K$7]]9[M52<0: ';?^B2FI:D#?
4NQ7LY=RNV]XS#/<,5EMC,44$;^Y44KKGDIG%5L"2J M-!Q EN?N.XKAT;KMB,NC5E&)6L-I%,/X-(99I\K^J0"Q5;VJ1I4G D-69Q M.AK!MQ85,UPN;2-H6^'*RD\A'\,#&2: ;Y5[
/'A.!O[\20?P:Z;#;?>?H-J MZ1VNH:1.FMX&P^K01,Y[[_Q-[SO0+5-++C4(7%AH='QB/:MZ5_>!H=8[:4[& M^M)/:]L(4;D$N[\@,IO '3"TUN(/4$L#!!0 (#V*_E@$U1^(P (!<& M 9
>&PO=V]R:W-H965T%DK7W-)1+T/3:..2E-ZI%&#-V M&M:\DD$^\7!E&PO;BIEBOK+L)\TO EW]+] MWLPTG<(>I:QJE*92$C0NIL%9-#Y/G;Y7^%'AVNSLP44R5^K.'3Z7TX Y0BBP
ML Z!T_* %RB$ R(:|QO,H'?I#'?W6_2//G:*9H83Q$M:=[I \%]VQJMX8T[FN9+?RQTT>=@PR]H!O#&(/>_. MD6=YR2W)UJM03MM0G,;'ZJW)G*5=$6YM9I>*[*S^4Q3?;6MT
Q@)KBTM')9 MPH?[MFHH^78 DCZ--]_X7*!Y.PDM.76F8;%Q<-XYB%]P< K72MJ5@0^RQ/*Y M?4AD>\;QEO%Y?!#P2RM/(&$#B%F<'L!+^@PD'B\YG(&G3?S/H5=?9W-C-7T[
MO_>%WB&G^Y%=/XU-PPNW^ =]KS3@^AY[?4GV4K$-0" M_I,*7]'NB^"@C_T14 &P+P!<8H'U'#4DD;I)X,IY=C_AA'9M8> (LL2)# B_ M+6Q+==//WA3[J2#B U)LM$[&
[BB)&,LB%-&JR41-[G(X@IRMT$-SL)QN=M&PO=V]R:W-H965T'-MW]]WWV>?+9*/T@RD0 M+3R50III4%A;C*?!U&7))\)9"K69!KU@N['@Z*ZC3"95&R-2[3?]CM-J[!# MR7B)TG
E06,^#2YZX]G ^7N'[QPW9F<.3LE*J0>WN,JF0>0(H<#4.@\1>>< MHQ .B&C\;C&#+]4+W)UOT3][[:1EQ0S.E?C!,UM,@U$ &>:L%G:A-E^PU7/J M\%(EC!]AT_@.SP-(:V-

5V083@Y++YLN>VG/8"1A%KP3$;4#L>3>)/,M+9EDR MT6H#VGD3FIMXJ3Z:R"I+F5I-5DYQ=GD&DF2@7?W;"70O)^$ED"=*4Q;@%D# M$+\",(0;)6UAX)/,,'L>'Q*9CE&\932+#P)^K>4)I*,/$$?QX !>OU/8]WC] MPPI_7JR,U50$O_9I;" &^R'I'#)*W;WK#Z,,!@H..X. 0 M>K*DAY;5 D'EL*RK2B 5O64"9DPPF2(L_>N\DLT3=+6\0,$L9F 5-/+V:3]8 M=;^FVPHU99!K$ X6M*OI8Y4?U[1@QJ UP&366@5G*RZXY72\7((M$.9*&B5X MYMD]Y[!![3 @5X(Z@1D#731V%PV7F&*Y0@W]GM_IPV)/\E30A.>1] [/7-C/(0Y:Z]4]D='A_R2_3[8+>:NWQ'T'6X_AFLEU\<6 M=?g_P#M\=UW=N5([0;)DD-+ 24DO[L'Y&=PK5P\OX9W0D1=Z#OLJ,=QI#"7] MM6]_Q$K5TC8]HMOM.NO%TUC^N3?M^8;I-9>&2.04&IV6P75E6^S:R4 MI:;EIP7]5 [!['+G2MGMPB7H_CO)7U!+ P04 "]BOY8#*G\&](# !0 M" &0 'AL+W=O($';0"KM5M>JO5;;[IU.I_M@DH%8Z]@YVRG+_?H;.T#IEO+!B>UYYO$S MXXF=\4KI[Z9 M/"C%-),@L+:ZBP,359@R4Q752C)LE"Z9):&>AF:2B/+O5.I MP28*]F')N RE8S_WJ*=C5U5!)3YJ,'59,KV>H5"K21 'VXFO?%E8-Q%.QQ5; MXA/:,]6CIE&X8\EYB=)P)4'C8A)SOL-[P!\ <5V:O#RZ2N5+?W> FGP21 M$X0",^L8&+U>\!*%<$0DX]\-9[!;TCGN][?LUSYVBF7.#%XJ\2?/;3$)1@'D MN&"UL%_5ZC?/2;G5SBWT'IFI*MGEERE/"VEEWH11U(MHJ1_A*^WBZ_G^7K'XKOB)A/*U!KA[XNYL9IJX9]#P39<_<-<[OLX,Q7+I!VXR3]!7Y7%DT'\AH;8"MNPPEUT\UST!T-W\%2:"5M M2(=#&$01?'NZ B_T3C$)URSC@MOU#CR@1^3; [>-?QX'Q*(4DCDG;:13]O"@M M1@O[UAVF9)XIF;^:1Q1LU+1N]-[[%(9DH85MP67H&B?UL@T#$=$2,!G99D X?;?NFSEKGYI-SHC2O@)L:44A=NG M!PFWM5A#LZ7]#I *N%1EQ>0:.GH+M)CI6>(GH,8VL4SFKE]I+C->D9*-9/(X<15!;VI-@?]A6]XRJUR5-:7DR#],&B5)=+Z/ M]E/Q>;OKJ^B90!\5V1[!/F1+ (R^YLW*]VSMG;I^ VYD)NH<#=22U&O+_Z,\ M^#SF= ZX< Q0G._-W)C:;WFF#&$T"N93J-[D1CH5GF#N:A $-PY%,IQBZTY2 M8'U@A[SPC17M8&%KR;GS[1F#3=0^=)N'?*EZB7_BXS MX"-]#OS=[.ZZO&ANB5=X<]?>, [WDDK3C@EPCJOH ='-_-0.K*G]GS)6E&\AW M"[KR43L V1>*LK 9N 5V/Q'3_P%02P,$% @ /8K^6%'648E? @ 8 4 M !D !X;"]W;W)K&ULA51=3]LP%/TK5]XT;1(C M:5+*Q]I(% (9@&A*B&WN8]N DMXF%/S+;H?#O9SMI6J32O>3ZVO<KI2 M^M'4B!:>!9=F1FIXF[D,6N+@U!:!T*TNE!,4N2U5D&HVT#*#!HR2.)Y&9@ M3))L&N;N=#95K>5,XIT&TPI!]9P-KNB3,,#Y2V"6L(5DU06C'*XD<;] MUIV^-?#Q!\TYFD_3R+H=/2X]>O9YQYZ\P3Z!6R5M;>"K++%\C8^>[LNS_FSR[/'>5X M-Z7OHC/3T)GQ+6)0?V$)/OP:C2)O^P1/!X$C_>Q9PO7E67+PVU=4*U?F*PZ M P;H+&%CR+QYH;L\[=UUMR=PEX'#9< E%BARU)".PDRZT1=$O6ZHK)@UP7#IH?'A\1$!W_=PE5C6AAW)E74>&8>V>0-2^P*TOE;+K MQ&\P/*K9(U!+ P04 "]BOY8#ZI*7X,* #G!@ &0 'AL+W=O-5<<.MM,.B1 /M9.&#M(\[27QQSGGWG/MW"0']7:Z ##DL>1"SIW" MF&KF^SHKH*1Z)"L0N+.1]J0&IVKKZTH!S1VIY'X4!%._I$QX:>+65BI-9&TX M$[!21-=E2=6O!7!YF'NA=UQ8LVUA[(*?)A7=PCV8+]5*XNP]ER8O$.\)7!09^,B77R(.7.3F[SN1?8A(!#9JP"Q=<>EL"Y%<(T?K:: M7A?2$D_'1_4/SCMZ>: :EI)_8[DIYMZ51W+8T)J;M3Q\A-:/2S"37+LG.338 MR]@C6:V-+%LR9E RT;SI8UN'$P+]]!.BEA#]2YB>(<0M(79&F\R2#*HE'-#EQM'!O=,&%\=XHW&7(,^F";J:)W)"5 @W"4%?0]_.

0(3VT]/!]()VXJWCL],9G]*Y!25W1#,@;LI1E"2ICE)/? M9 U[$#60!8BLP$]JAVM+=P- (5)D>#RJ.9\UT[N^HQF,;!O"S$6>>Y4];;4' M+WWY(IP&[_K*\QOB3XHT[HHT=NKQF2+];Y=_XP8C[*1?.LD;>?>I\%H$B;^_M15'VC:89ID M_9->@A=OZU[L)IFLA6G;2K?:=?%KU[S\O_#'FV&W!'U98)33ALD!J,+C&^;MI] M,S&R&PO=V]R:W-H965T\'8!\6YB45MR9/DI(7]^$FRX\3!===?B M?DDLZ=5[SFZ$KJC#>.W(@*0Z"Z)J1A;D93IJ6V+,((BPY+@:J5)>.)EFK(M5[9(.>"%<4IBVW.3!BF8P)A6N.1)8DF-]/(&:;L>5:VXD9M64523]C!*,4KN 'Y+;WF:F27* N2 !6$4<1A.;;.W-.IZVL'8_&=P$;L?2-- M9<[8K1Y<+,:6HS."&$*I(;#Z6\,4XE@CJ3S^%*!6&5,[[G]OT3\8\HK,' N8 MLO@'6D/HXWQ5FP(MU=MX(IE:)*P4ILBT07-2T)+^Q9=8OW+[SKHYX2V 5&;JE#-TFI. J2^; $5N]ZV%P/,8MD4C MZICG<#T#I^^;=: V<[U/IS'@,^GT2CJI1CT56J /- $V AI&ZXVI17S0U)U*1 MG#(:*EH]W^(9$7KU(U#@.$;O]27%:BLDA33^SKNC;&?NNLM@55DZI,Z]CGD<.| .!WWX C4VOBE M4279DS+9DY9+>_;UIUK@:HO-=!V9QI!/W!D[[-5U@-A?U(T;5?/?>,F[+97T&G!D%:YDT1GOJ5K:%5M7&VVGCO6!1 M%^!M2=$26E6*W6O-;7P%/;.L_9]*[0\.Z[K6ZO"VMO?>ZZHT5Z:-$2AD&97Y M([B<+5NE,],@',Q/= ME^H =3-Y_76*^(E2@&)8*TNGHAH7G+4T^D"PU7<&< M274^S&>DVD#@VD"M+QF3VX5.4#:6P3I02P.$ /8K^6+0+0VQA=" @ ML%L !D !X;"]W;W)K&ULM5QM;]LX$OXK@FIQ MZ+;6J^4G4L"-"87E\466S3[\N%P'U2;B75K2SY)3MK%_?BC;-4TR2$EQ^,O MK>T\?*314#/S\.WZI:S^K)><-]Z7]:JH;T;+IME\]/.R\"K^ M>#-Z'URQ-&P;[!" Y_RE/OKLM:9[+LL_VR_WBYN1W]X17_%YTU)DXK]G/N.K M5GH<,VVX?'G;^P_[HP7QGS.:CXK5W_DBV9Y,Y],O 5_S+:KYE/Y M\D_>&92T?/-R5>_^]5XZK#_RYMNZ*===8W$'Z[S8_Y]]Z1[$40/! S<(NP:A MWB"V-(BZ!M'0*\1=@WCH%9*NP<[T\=[VW8.C69/=7E?EBU>U:,'6?M@]_5UK M\;SRHNTH#TTE_IJ+=LWW\]2:F^\^V+?Z5KGO?5^V?!*?"Z>O$^\%H^\LI' M\7%35DWV><6]KE7MO:&\R?)5+;UH]-L#+=Y\][WWG9<7WH=\M1)<]?6X$7?9 M7FL\[^[H;G]'H>6.(N]#633+VF/%@B^]M3=GCC:C\73.3RB\-LCN@N=A#]M MBW=>Y/_@A7X8 _\Z^? M!=RI;_BZ_C?D^3UW#',W,?&]WF1S?C,20;_FU3,?W?[];P'Q_P$]=DPRBDG& MD,@4!\4'!\4N]MN';,7!MVI?C.R:M>GC^3:83/SK\?/Q,P5))ZH(&]"HM2/ M51 #0&$2'$"*;J?,YW*4IT.9$.Q..;Y_N>EQ4++UNW7?*OW0_0 M$]B3)T>W1*:;_0 DU:PW(4%$-./=&,5V9^!F#\!#9R+=YN ML]KYZM6VU]=<6KHQ"2CF&0,B4SQP_3@A^D%<[L4TT&89!23C"&\1*0X*?%FM M^]_+;EV(Q)W>()29WP 4D. @E#7#!4?U>'!:,/#^)RK9I[;OB?2W$!D MM_)M>FKW0V6CJ&P,BTWU3RC]$UXP2'3D6&["9*.H; R+3763E"F!L\AV!(K(>&VQ M4:3'"1,T"?5] 0 %DV"BAPD 10)+,1C(*C]PE_E0F/@QJOM>M%WRX6O==D'0 M?B?OR3T0DXVBLC$L-M5#4JL$R24#A5,)G>PF3#:*RL:PV%0W25D5N'65/5 MBF@:ZX$" (53/5"8H'02Z7'"!)'85DU(^12X]9.]FN!"-GH/G:2T/ $G]\E] M$).-HK(Q+#;52U+_!9-+A@14:8C*1E'9&!:;ZB8I#P.GN'&$BJDY-)+JXP\0 MR/'2U4&&"$F.(@#%?@'BE!*]] MK<'"$HJR>1)CX8)GY"K3UEU7M Y5NEE.]FVH\$RH; R+3?6'%(=A M?,F@@*H$4=DH*AO#8E/=))5@2]ZVL@<%N>ZO:^?(_S, HD]V A!]08231;5*2]?(+9TL543?L*2;]>1> MASI[ALK&L-A4_T@1&)%+!@=4)8C*1E'9&!:;ZB:I!"/W-*],)C+&8T*HA=" M^R', "5&MDL(IZEDW6;9+0[O@ %]'.C.&RD91V1@6F^H)*?:B2ZZ("9H2?24< $])99PIEO(D=L])G;4O(@86Y^GS M]@#&Z/+]- S 6+8-Q$=;?=PU_]#=$;%9F2?Z_@\ $QEN!BI\LUN;H*GMO98Z M(';K "75#YMF<#.>FE50V2@]&|-B4WTC-4]20T0HVH 5#:*RL:PV%0W20T0 MOU(#Q&9I/HV,W&^")]&1]H#-4<:Z:0:A2!A90H14 [%;#9R;^H%I$GV^0%,J ^10!A+Y9/(CSIV<(R//,GYBZ3P#<2'[0513<6()H:[@9 M1V<&J.*0C9Q%[+G)7ZS^-0+'P"B#WCWLS GBVJY+'$3=XDI..GWK@J:]4,H M -'I//(.PMI0O*]G$7F M?6(.1^NS%#,(HZ=] &,>BP-@+&&2R-J;I&QQ'YIV"3"&K<_S IA0SWL)M77 MF@.8Q)+YB"Q@B;N />_T(V#86]JQ 8R>#P?0, !C._=)EK?$7=X,S?K$K"WU MK-\/H0#$F+R#,);Q")TO6IBC6$?M\B'S??R6D$=>08E8UAL:F>D04WN>0^ M H*ZCP"5C:*R,2PVU4U2'9!7]B,@9IS.9'L 9.P]!$#FWD,(9-M[2*0H(&Y1 M<&ZV-|>@ R,#]F,H@-&S)(-X+#.@]2RYTYZU&\.S?6H..!N[T0',Q#@.#UCO MD1CGX4&+0BSY/I65:^]N7,_*]VG_LOA^".V',"=$M5Q6M:F[JAU\XN&>YOB M3?TP2P"B'V8)0(SY.@!CG%\T/C]!>,V%8]JCGVMO7FZ+9G^X[.'7P_'2[W>' M*FN_WP57LP#XG097:'IXM*3?GV7]0?2#O*B]%7\4E_+?I<(=U?YXZ/V7IMSL MSC_^7#9-N=Y!7(]LP:L6(//[^)<-MR_M!0Z'=-_^'U!+ P04 "]BOY8 MT#PP7.D$!+&0 &0 'AL+W=OFR>8K2#$[)VO(Q#<+ M0E/.Q2-=FFQ- 4>Y49]8CF7Y9HKCS)B.\[$[.AV3#4_B#.XH8ILTQ?3?:TC(M=F+8QF[@/EZNN!PPI^,U7L(#\"_K.RJ>S(HEBE/(6$PR1&$Q.:[LR] >28,< M\4<,6U;[C*24)T*^RH>;:&)8"4!D[;P#M@X)8&[EMG\$H#[ZTS#$]#7+I9 M:,\W+L <3|>4;!&5;.$F/^2[GUN+_8HS&2@/G(IO8V"IP^P%&[GZ"8K@DXZ M[PSM1C^O@8]O:(GN'%G$"6"9B1C)(DCS"$29G.2 GH"80VII?\ @R=!,!Q MG+!3P??E(4 G'TI[!Q1GZ#9.C-&YM<")#+,.?E8]^+Q3H'%NNB6Y+Q%4-A M%D&DL _Z[?T>>U-L7+5[SF[WKIU>PM\WV3ERK8_(L1Q/L9[9V\U=E9S_-WOX MGV=O;(9;A9*;\[FOA-(]K G-@Z8>5']]$G!TPR%E?ZL\7W!:FZ9+B_9&L]A M8HA\(^@S']^2?;MWY1;,M.LD G6:B)K.$@KW*0U\<^?20<)6[?17](]*+ M>?(#ZYO'X$KEDX+,S^EDQ7F>NA>CL?E4LC63>]D)F2I#?W@L%R.[4!37]0$MC[YML MN[=%G-Z+:D]W<[ZA\C65PDE>&N/3[];6ULH6ZF)K^F;?7]O> M>Z;1WN[I:#?I9 NTLH6ZV)INVA\+[/YSP?%I5-&X.TXI=2A [2;K+42A"N0= M2!O[U0Z MVDTZV0*M;*$NMJ:;]@4P%ZAS(MS-KE< JB1Y"W\@S-R2;CQ>5>-5K=_%_E]]VM\6O[Y 3 M5+ ^?3'\ 4$L#!!0 (#V*_E@Q!7LT3@, /T/ 9 >&PO=V]R:W-H M965T$ |M>.EI:RVQ@^VVX]IC)VG6M%FW@???QL[W?XW3\%!-J!<-\[YH'0[:2 M":%PS9%8I2GF?RX@89N1Y5K;C0E9+*7>L(-AAA?N(\(=3<@1WPELQ.XUTJ[<,G:G%Y>SD>7HT"L=026/VM80Q)HI74 M.7Z7HE9E4Q-WK[?JGW+GE3.W6,"8)3_(3"Y'5L]*.YCC52(G;/,92H?:6B]F MB#*2Q4 MVB6ZI$71Z>1]0!.(&8U)0HH--D=CG(&)$Q3=]Q*=$;GB(-!["!*31+Q3E)MI MB$Y/WJ$31"BZ(DFBB&)H2W5&;J^$\X^?3_29W_L[Z]_6:\'PJVKQ M)SB$ M^+V]3G (@0T^|W-X)>Y6/ON(^,J^K#$IH<.TI]:8V9% M-BD6&QKQ M[!]5Q%$T-G32.839.ZH!Z1RB-06D<15,#)+UC:-|V[$|=,]-U M)(&>.DQ1,(OUU&&*XGFB9PY3%"5Q3^:0QBNT&Z\!QP7K'K:.W6>G-"M.2B- MHVAJ'95TEI$_2O:(H)X22F-0&D?1U !)3QG9=Q=[L\>AG75!\Y80!;%N60A1 M- ^U[$%U-X_H[!%)0Q;9#9G;><>YY5![9\Z3$KI?!Z5Q%$T-VTGYY4CUE]@" M3&P%)K8$!!% M+C@16:D5DS&6,,9$S65NG>XI429OH9!B*),WS>A1%'/ M]FHL/5;L7L%))XV+EC[MO:G.2BB-06D<15/C)MUC/$Y=9PSUB5 :@|(XBJ8& M2/K$>&|=9TR4;&9ZUC UQIX)H'I3&430U=M)&QN-4>L90#PFE,2B-HVAJ@*2'C =6>L9FZ66J;Y@0FE@W M*(0F'(QS#5,TZ(E8))-N*W8O\^PYU3BWVFGOR7DZ0C?PH#2.H]DQDYXR']?X M,X;:1RB-06D<15,#).UC/+#X,S:K,8TKSL]*V'D)MTK4:\VEYTKG#&KT=K[SI>C0/3HHC:-H;]2D?TS&]?M,H$812F-0&D?1U !) MHY@,K/M,S#K,2#<9MY0HU9,$(MPJT2=532827N]9ZVE''1NJ>]3^_7>79"- _@-(ZBJ3?/DL8R':?F,X7Z22B-06D<15,#)/UD.K#F,S6+,/5S MCO,2=E["K1)U5-*$I>ZUGM9SCG,+H/;^G.G-B;<8 MIC&5IC$=6/>94B6=^NUS*%&2Z#F"%.D,]6U52N3WW&,KE8XK=:_[I'+9TAB4QE$T]6Z^TBMF PL_,]2,SPI MW.Q_+2>;5RP]&GOTGE:0G?SH#2.HJG!DU8R&Z?T,X/;2"B-06D<15,# M)&UD-K#T,R-*-O4; 5,:(V\0]P$U\H95HX[LY,$([I6??><:YU8^[5TY3T?H M1AZ4QE$T-6C25F;CE'YF4 ,)I3$HC:-H:H"D@VIT^,AXVLA9"3LO MX5;)?E33DZ>DM:-GN7L\7>W=ETJ%LW_HU?'=XR/PWNX>_*:]_RYXR::?V[L>5 MR!>BZ@3MIQ_*LOGVHNO@^"#!FS\]4$L#!!0 (#V*_E@2->+_E@, +P, M 9>&PO=V]R:W-H965TVP;(:S;@ _#'FCI;!&E1(^D[.;?[T@IJBTI&OS!X*"-GHEALA;BJUE\ M3J:.9Q("#K$V"!3_[6$.G!L@3..?"M.I0QK'X^=G])\L=^2RI@KF@O_)$IU. MG6N')+"A!=W'<(7'(+*(7AMA+!R"%\:85@Y6.INR=T*MZ";SB92'(@TUHAF]SZ MUAOU8KFIDT8IE5M0Y)*_ZO%W4:!:)?]9I7N_%_#G(K\B@?_>?H M)V($=W!F[W\8C+R/7=]_)=CB+<&B-P(.;6PJ6P#WWV"NT2FJ_5_WT?=G/M8E8NG^X8[P]+"8=VIU_2>11!*8$0S<) 2PF$*)% M6N+@E"H-4CHI"<^)G!."S_E=2.*=;'T[K6W?0CQV_ENDX_*(U!:1Q%4R,4MR@B%HZ2' Q85("2-06D<15,#).V!=G/M8E8NG^X8[P]+"8=VIU_2>11!*8$0S<) 2PF$*)% M6N+@E"H-4CHI"<^)G!."S_E=2.*=;'T[K6W?0CQV_ENDX_*(U!:1Q%4R,4 MR@B%HZ2' Q85("2-06D<15,#).U<8+4DEA01F7_Y[&>(@A1.-=3A"G*9I&> M(4Q1&O><-032$05V2]1_WB]L?!::7O[\%3U' $KVWD.(FD,2N,HFAHEZ>V" M9)PD 35\4!]#TCB*I@9(FKI ;EPL22(UOK5AENA)@A#YOIXD3%$297]2.$6Q MG_4D">F; KMQ(L\BRFK9)HC?5D)LZ)%;FB*G='U'OEW9;;=C;>K_.-=0CL<-=)"*4Q*(VC:&J8I!,.@U&R1 @U M@E :@[(XBJ8&2!K!T.IC^K/$H9VR%)%I%N*6$&69OA1!B(*YKY]#4*HD3!KR MA/11H=U'79XG+ENZM'?G/#&A.V90&D?1U.!)BQC&XV0.J#N$TAB4QE$T-4#2 M'8;VK;_^S)&8?_!#_?R"$,5QJF<.4Q3XH:]G+E,U.SF?48.B MQ4U[A]XS$[K;

*29Z+G(JYM96RO+9MD6RAB,4E*X'BFS7C12QQR#>V*#G$]38J0L W<.([MA2;.*J,@8)1S6<^O&O5ZZCC+0B+|SV(NC9Z*DK!C[]@9WZ=QR ME$>00R(518Q_3[" /%=,Z,<_-:G5K*D.CY\/I.^T>!2SB@4L6/XI2^5V;DTM MDL(ZWN7R)O_#K6@L>)+6"[T+]G76,H_?JX#<62 /&8# MKS;PV@:C,P9^;>" _=(51;3!ZZ0KCVD!+MROM.G!1+.-PQMF><(5&-O6@HZ^M M,5X9587R*#F^S=!.AG_*+7"R?,;"$T &=S1A!5R\)>^Q1H?DY&TU.8A QEDN M+O#UQ\>(#-Y"=|<$G|XS*K2!+FD)] ML(Z[8,>>QOCT03%.P3EUNLE_&-'+XGOO^6>XXT, BQ>;NZ;Y/SO10$R;B GT1@WT1CW1N..2L 82SR,5*V:M%4$XZ-%ARV_%@:(N*7. M_''=ECP3QC'K"QI0|U:!^O!COV]-X*W ../E&&93D";10<>5 M44MS%^&T)'<1DY;@+F+HF?5.&KV3_NK&VP9[GSS[%U)=SCO:#"OI)K63CA_M M#'<1+2U1%^'Z+;D&B&N6.VWD3GOE1K &3&R*.[E0FSA6C91)X;2S=,NYQ0\1 M41? 1VL+++B(PZ[MJ]%WUZM/WR-DBO3+LEY8J \1KY3;Z,2[:.)["W;/NHC"^ ; MW< ++,@=E57#T,PV'PDWNC5NS=^ZUPO7,!^ICPK=MWZGK[Y([F. ^P5.,Y+#& MI9S+"2:(5TU^-9"LU%WLBDGLIB?7C%C^,@"L OE\S)@\#M4#SJ17^!U!+ P04 9Y8D FLTJ5Q # !8"0 &0 'AL+W=OP'9[S!SG^N.YOI7K4,8 A3PD7>N#$QJO[KJNC&!*JS^4; M!'Y92I50@UVU/9A(!#9"P#Q;\-C(!S2X1["XXG3*D!>ZW=^R? M, ^VHY8%J&$G^@RU,/ N'+*)4VYN9/;+U#HZ5]^2'*= 9)M,==S2)1J(Y," MC!DD3.3 I*GP80^ /-4 OP#XQX#.*X!V 6C ;X1. >ADSN12,A &U-"PK^26 M*#L;V6PC,S-#HWPF[++/C<*O#'$F &9B4&3RA-M(VE,1203:)Z1&]QO'\D- M58K:A2&-,1C*N&[BZ SBA HR5-*"-9D* TI0NXZ4D\8D5;@KFZ1Q^N"']W+ MV7 ZR9]MRR89<&#OU:PJ^.I."=M[XSXGM^NR&=4#Y_# MNH3[57+^._]!FG:Y/=H97_L5OIG4FHS0(296("(&FOR?F@%WF656>])-GXGL@,C.Z61G3KV\ XV>%3P M>,@E0?H-DZGFSWAQ1E+AQB,<&;;B^568R%28FOS$$$6PM[GF]#O]MW-OF&U M6;S5L-IX!S9T2QOMZ3;,8(4>+ $]CWKW1;6S8;D:Q:]K? *]PMWH"XHU07UZNQI MBOYB2@5EGMMNIQ[^:W M93E:/@^NLJIX-#YL]49YE?]+D[\YKJE:,:$)AR52>N>?<,%47L?SCI'KK+(] M2(-U.FQ&^/0!92?@IZ649M>Q &PO=V]R:W-H965TB#XPTCHE(I$O2=O;O2U**;,F,$K?<%UNB M9L[PG*%&0TZVC#^+)8!$+T5.Q=1;2KFZ]'V1+]' XIRM@*HG"\8++-4M?_+% MB@/.C%.1^U$0#/T"$^K-)F;LEL\F;"US0N&6({$N"LR_74'.ME,0!*%'IC3 M4NH!?S99X2>XL FPNN7]$1),1,E((%811Q&$U]Z$ETDXT [&X@\"6[%WC325 M1\;>]OZ%\->47F$0N8 ML_O/DLGEU!MY*(,%7N? RCFU_AHJ0F6#*6L9E 06O[C MET](/0>%8W>(*H>H[=!_PZ%7.?O^&]%?.?O_&F%0.1CJ?LG="!=CB6<3SK:(M:VN%IB^, ^L9;Z46H7BCWDJNG1(G)V35-60'H=_P" GU&OV'.L4X=.HE!8I*+ M4S7ZC_^B)_\Y>D,, M7KT2>@:O]^Y*0',E,Z%/0--OZ*]?E1VZEE"(OVTI+T'[=E!=YB[%"]M M>DVCN'/2Q^K[3L2&;H-;MX$3W<[T\WR=J26/,B)2#LJ$Z!7_ 44'5D6#?DO1 M-\R&+4W?, N;9HG=;/B&7L-;KV&G7O$K=ZU3NL3\27T&'H'"@6BVVF(11B_"A3=BWD[VHR5YT+XZ7%(0P5"N*2+5=2'UPTV>D5HQJ MQ(19'3;BG=#'%KT2;+#';=12Z-"BI6'2A=&09U3+, ^J49]Y*OQ&'R24HB0]< MY^7[8=.F$_=8;48'O%JO0ORN17)H$=FU&=?:C#NUN=ZK)B4%FP[C@R4;M-Z- M=RWB\ <'46Q;)H444V-F%P:XE##KY/=Q;>[M.IV,3ZQ0M=HJ6N$)KRK_7D8?? MHQ&K4%WEQR5:[!0M<876S$^TRT_4^7K]2KUSN'^9.T6*G:(DKM&9^=KN@ ML'L;]+%VI1ODZ'2X1(N=HB45VK"K9_+W3MO*4)VP/LH4;E^@BGAYI%*/UL>E M7\|PA86O*KR&PO=V]R:W-H965TEMKWVH^A"2@;B7V-0VL.VO[]@)60@^6+7[MDL3.-]]XOK",]H)^47EB!I>RH*KL9=KO;[S?97F6";J5JR1TY^ED&6B:2A7 MOEI+3#)K5!9^& 217R:,>Y.1G9O+R4AL=,$XSB6H35DF\N\I%F(W]CK>?N(3 M6^7:3/B3T3I9X3/]S^NYI)'?L&2L1*Z8X"!Q.?;N.W>SH<%;P*\,=^K@&TPD M"R&^F,%C-O8"LR L,-6&(;'7%A^P* P1+>.OFM-K7!K#P^\]^P\V=HIED2A\ M$,5O+-/YV!MZD.$RV13ZD]A]Q#]>ON%+1;'L$W8U-O @W2@MRMJ85E R7KV3 MEU[P/B<1N$M4'8-NA]Q:!;&W3?Z]%7& 3>2Z]%%C0_2IV*UR9_]9^]' M8G2;7=&U?-V+NP)BIM)"[U($^/U^H;2DH_V'*[\58\ -:,K=G5HG*8XJ[F<* MY1:]R;??=*+@>Y?8[TD6OR?9[)W(CM+2:]+2.|<^F4N\T9035J4GT8!*,Z]6 MF$'"^28I)=+M+5W#$)X20A8(-T]"!GE4R*-F<;2>7"K-41V#>::V4X&X7,K.PRUF: Q=6PP5R7#(- M3-'UF(H59_\XZ]:T6E__*B6>A<1\2FBE8'9.8XCX:)&N.BL<.:LUSL6KGZ^ M=D46G?@.6I%=1.07$;-31!BX0QLTH0W.AO:3SE&^8>,/3CS?|%L!.B"#5H0. M2*>=/0USN:#*;3? SN4II!.VC[@+ M$[9"]0_:EQ+ERO:-"E*QX;JZLYK9IC6]MQU9:W[:N7OH..9C:F6KSO.5ONJ# MGQ*Y8G3<"UR2J^!V0#F156]9#;18V^9I(32U8O8SIW8C\P#IH& M?_(O4$L#!!0 (#V*_EAB@FU6$00 -4/ 9 >&PO=V]R:W-H965T M+(KUA2E@-7 M3' B83GT'L+^+++0&%O$[@IZ>B;&E840KV;P)1UZ@=D19)H0'Q;R<3R#++# MA/OXNR3UJC6-X?'S@? V3=1Z=65 %$Y']P5*['GIW'DEA2;>9?A;[SU ZU#5\ MB0.U[\TZ^E$$<&R.,VZ)0&G;I(.(9!5!I$YZX0 MEP;QN2MT2P/KNE_X;H6;4DU' RGV1!HTLID'J[ZU1KT8-X$RUQ+?,K33HQF5 MG/&5(D\@R7Q-)1#*4S(1>8['.-24_D6=(!$]8Q[@]7;$D7W@1I&;XHB_E M6ABCS58#&5/%$DLS91E.I&3V-"=74]"49>H:^5[F4W+UX9HHLZ BC)-'EF7(MI3Z2#\?#@:_12;-5/RD=&4<.==YP*'@NNU(C,>0NJPGI:;!UKL?12W4KAS M4'C<;27\9!^=8]9-3+>X M/\7,FI@H#BO,B7!=RKEN]W._@E)!@JHM04K,1.IFM)3M6 H\57BG)!E&H2M1 MC OF[M%V@IKC[R*F3418<[H-<>)RKW*Y=^9Y$KK#C$L7&9CT,%GL1M$EZ++ 6I,#XJ8>Y:A7G8@<2:\' 98S6I-%[> MF*8/T4"N6*F'NG8)<-?N=B"RI3Q)(+2 =D+@6CPY(IQ:.K2RGCA^5Y.'W?Y!E'GI7 M@-#QG81U"5R@V[H(9S#-WF$JA/"/N10],%V7K7Y M<=B?A([Y]>E9;5OTC;YH>|^I7#&N2 9+7"JXN<6=RJ*'+ 9:;&R3M! :6R[[MN,:`&Z0!X\MB/HP, M4G?SH7U!+ P04 "]BOY89F6<@HP$!)'P M&0 'AL+W=OZ EVA8BB2Y)V=D^2+TI2D;U:U4H:WU#&@>8I'B^1U2 MYZ]#D9P>*'OD6T($>DJ3C, ^,K1"]B6GR<$M2S*_ICF3RSIJR% M99!N3[QC! M46&4)J9C64,SQ7%FS*=%W3;VDNDC@C]PSQ/$TQ^^>6)/0P,VSCN>(AWFR% MJC#GTQW>D"41GW;W3);,FA+%*50='BCY@<^,DU4D-9 M4?JH"N^BF6&I'I&A(AL/S9DSN2)(HD^_&Y@AJU3V5X>OU,]XO!R\&L,"=W M-/DSCL1V9HP-%)$USA/Q0 ^_DFI \4+:<*+_ ^A0M;4,%.9!7!X%(/PI@>*G\]J#(8 M%<$]GVX1&A<+/)!KO>D!,M98T=5'$M["6$8DS)<6E8/N+.W$W.,LB[.-1 _>$ MH>46,X)P%$[$F]92*$M!PT? T%GW$C&&E&73E$H'CA+ ^1M9^6+KKZ\&E=/;TJGSBM,>^D SL>7(RR(2M=B[>ONAQMZ4#Z!^"L[S4[AUM,#W>7:- M>M;R/+&]_FW3]GGFB]!WKS1;ZY1O:X,+C5@NP5 MO-[E@OQKL>*"R:3U=YO42ER_':8 _6 /K5 ;X@P) MW]J?2NJ@ MH*K9>C_O6Z/QN&S/0N9OK:T7<-%!"L$:A! M';B:]K5>9"*.XB0O)I$E"7,6BYC(#/X4)KE,XFC-:*JFG5TNH+1?| M)L'HG2 I;!T& \|AL ES(6S2).R'A 5 LG(:AK7(AMILL,C%EK+X7RDG1G8Y M"]?R(Q7AE.;9:!.+EM95+) P%Q+F0<)\2%A0PH8GB= >6-5?G0D:4AC54AAI MI?! U#L$O2XHRA&7_6I/QZ|Z% (9<6T/ND:\8K<>I%L?$A8 P1H!'IGK1/_7I$U]<7E.:" MTCQ0F@]*"Z!H3:$X1Z$XW\54474#2FR0-[>4YH'2?%!: $5KBNVXV6EK=|'-REA&V*,UF.0A7A\LBDKJW/?1?%:>>+ M^EM|WU+OVQ"M/=8_X\I#Y V;;..,H(6OIRKH>R2]!5I|;E@5!=\6QX8H* M0=/B6@/CV??P%02P,$% @ /8K^6"SA+FV+ P M;@P !D !X;"]W;W)K&ULK5?O;^HV%/U7K.QI M;J6._$Z@@TB4 -N3^E05]>W#M \F,21]$F>V V__:Z3D$)P$=KX0FSGG./K MXXM],]Y3]LX30@3ZD6<%GVB)$.6CKO,H(3GF UJ2 MYL*,NQ@"[;ZKQD!,NR%!6-:B2PMR M#O.ISS/YV(AG=3S13.PR\1MM$R $] M&)=X2U9$O)4O#'IZQ9.2EX2@O$R&:B3!['2O:\(WD2M:4OLO. M[_%$\V1)"..1D H8'CLR(UDFA2",OUM-K9M2$H_:|_5%O798RQIS,J/9'VDL MDHDVU%|.-KC*Q"O=_T::]:A2+Z(9KW_1OL4:&HHJ+FC>DB&"/"V:), /1^G\$ M !TUP6H)5I_@?$*P6X)]+<%I"NP6L)WK4S^"W!KS>K<;?>FA + M'(P9W2,FT: F&_7^UFS8D;20F;@2#-ZFP!/|'+,B+;8T"^K4)T]^4>?4$Z MXA+)45]@MR(5_ $&H?V<9ADD1{_K N*74>A1&^M3$ZOU2:PV>]:%2#B:%S&) M%?S%9;YW@:.^#;YUYUL&\)^NBX->]&"#;>$"683F%>&:7Z< ^8 =W\E!Y>/]NM MH, ^OGUU%7 R_M2__ <_ G6V\M%>6S7>O;U>?SG=,T%@|/N+U6]-7*.6DZ>_X^\ MQ\M&9:'# <\)V1 M^_LGTC%]5^WQ+L2"68O- ;BBUN*;:\D=A)MCA=MCB7U(-O M5;Z&/*&;PQEU!P=3T[Q7)4NCYM9]\F[?!;[M^+8_UG?':7 .LRS'MMS1*2Y4 MXCQKY)SBYN:>XI0(WM*R1_/ M%&:ZG9GN13.G.[@9 MM@25+ (W@%WRMG:P|K7C\.:*TMM'VCX(:F@.O%_KL'.5Y@V'/__ I=-+2Y=3]NV!B%%8/#39YM*8T?T'>< M541E9]/K'=MD])P\AYAN#Q.J.$8/.S_'6&[/0@7$[.DL%5,=Z33VZ4?E34[8 MMJY<.8IH58CFANA&N^)X6M>$O?$G|W%N*L874$PWM> ^'?%.)PR6Y3O.,K'. MJ8R!#QO.FN]VZ0A:UL75F@HHU>IF A\$&D O?@*=2.4'WB1\"U!+ P04 M "]BOY82,;2H=L' "J-P &0 'AL+W=O0Y[S4=3Y'>.?LRVE MTG<9I=##+9"[,Z& MPRS.)$?*2;X;9CE.R*AHE|= =C2;#A$3I8'%>?'?-% ^=L M+^(HI=<<9?LD(?S+%8W9W<7 &3Q\|3[:,$7^Q7!QOB,;^H&*3[MK+]^&!Y95 ME- TBUB*.%U?#"Z=L\##>8,"\4=$[[*CSR@WY8:OS_G%F]7%8)3?$8UI*'(* M(O_=TB6-XYQ)WL<_%>G@T&?>\/CS _O/A?'2F!N2T26+_XQ68GLQF W0B[]) M/A;OV=TOM#)HG/.%+,Z*Q^BNPHX&*-QG@B558WD'2926_\E]-1!'#20/W,"M M&KAZ Z^E :X;X+X]>%4#KV\/XZI!8?ZPIM+T8.)\(LCCG[[Q'"W9\@_%Z!>M MY7A%:1XH'P27OT:RG5A@WEF7HQ*>" M1'V$IVB3Q]\=/+B)7J!HA2]C>)8NCL['PIY+SGC,*SZO2K[=5OZQ>@M2|4V M0T&ZHBN@O6]N/S&T'\HQ. R$^S 05ZZ1\-=]^AKAT2ODCEP/N)]E_^88,N?[M>@^^N??:8.!#5. ""#[=%Q:OE&W0I:(]N]H+,/SF3I$^0" MFV2^3;+ $EG-6=[!69Z)??%%-U&:1NE&KI@Q24,*^;&DF!04>?*X77BCV>1| M>'L\ODT0GDZ<.LB'F/"T#@H ILE(.=7L'|_L'!N#LER>PMKR%*7RF]*36"Y3 M+\\@P\XA3Y6=C(IC M1HO/)N+4U:(3@LRTX 0ZPG!H3@\C,#6.@$Q"'?2-OVNC3/[ISC/D<&KWHQI7 TLCA($9/XE!? M+5G<4;+',1;J/?)X1:!-D/%,-Q.$C6:ZI;W8@DZVNKE.#AFY7!=;?B0]"&C M[U@F.!41IXG,'>B&IQ0="5C?&[D?/3EMLOE6V0);'4O*=GCF'6/O>3N6!5# M5ME\|VR!+:;ZRY0@R): M]X)GC< ;Z7'>A)QB/48|< B7UU/Z/U.QC9]^9 403OG MW78V(?H.6S=+8(34|[^5*G'-J1G$2CM7S-.I<_#F&19M(["TO%=U:'U|:Z MX "01G4(8? 0@.'95'QXE85QC#;ZX3|@7T=2"UMS*C^DS^AZ9E"AVF#DG87A95 M:N#D?)2IG!*>IPIPXE3W>&S(6!^S)D3/#@#$T2,*PK@M8Z9TA=NA*^3>5A M#A,(M!,H^76E"V$:P=&-"2!,2PYTE7)PS#I8|6$Z#L" $37'0!DWC)02G.X9LUA26I6O1C'H!/B Q!|)Q6 M(V!]NA= M8_G90V96!%H]Y^H60BBO860?KJ"+]VZJJH1=ZK2M5K(6V7SK;(%MMC]+E.% MO&LNY'NI2A>]D9VIO@|'P|9S?>T 87BB+QX@;-Z6557A[9]?:WR;LG2M/L2P MRN9;90MLL=4/B2C%@*THAJY>S4G\ #,/&^B/@?FQ!UO=7%758W-5OR39%JUCV6Q+5QL*"AU|) [5LGM8R^YIK:P2 MP.A[21#-6%\GFIBV-4))'/P4A[6PU0<45ME\]VR!+;;Z>Y0LPV99]C_8$\;- MAQ&-I ||K] WKGP A/4 AWA:I"U6"@J;#WWUWA7&S=-8CS 9MGQU/O"N"D>=+4"0$[U34X H^]Q0#1.R)D6K$0*-C\=^$\VAG\W MDP8 TGBB F ;V0&@;9DIGE(.7H=RZ+LQ|'4 . @C3/+/9X9&&GJ9BIAX)F% MP7/N"GO-;K\Q4H @T%<9 ./I(P70M*PRGA(5WK,<0?*ZCR !D&96 4#ZI@?(MTS8S5#WO?>\1I(@TA[O2P!RJF_M=-,$9IK2P.'1NT<)Y9OBI:],NE"&?/G" MR>';PXMEE\7K5-KW5\[9T@&^]YVSH'QM3-&7; [&I])5P6TAF*Z5IV-7H]E:[@ MY8MAY85@N^+-IQLF!$N*CUM*5I3G /G[FC'Q<)%W<'@], $O4$L#!!0 (M #V*_ECZU'V]/ 0 '87 9 >&PO=V]R:W-H965T4\?_;(EW.VEY2D\,B1V" <)YG^M M@++CPK"-UP=/9|O+[(&YG._P%IY!?MD|&/N:W7R.%H:5C0@HA#*CP.KK &N@-&-2X_BS)#6]GP M _]5/<@GKR;S@@6L&?V-1#);+&!,#1;#|>RJ? V/$3E!,:9GPAHR+_1.N^!Q(2*#^@'L.790^_??4#O$$G1 Z%4+0.Q-Z5*F0'-I.*1?%23.#7H7 M/:!4Q@+Y:011]YKQX|:*;::C5?YW6^*Z>5|*=|>H=DG1.E^FP!O71RM%5C=G M8H=#6!BJ, K@!S"6WW|GCZP?F\S12>;D)/-UD@6:R&JF#BI3!SF[>\/49_7N MBO84T"\;%) 4IR'!%)V7B=]_5A#T64(B_FAR?*#3<49UDGDXR7R=9H(FLYOBP M^#T.V3Z50&63R8+11G*!#A&.56V:SDL|;&]9(=SSQIBAG8]QKN. M<0?#>HQ_'>-.IO68H'5J_U&X427A.111-)MDWP%X; FGW,A7VO2 MODN^0T)?9\) $UG-D"%ER+C5D/,J];CG8:RVG.A^RP'47E@V^=*U[=6Z23S M=)+Y.LD"360UAR>5PY/_^>TTT>FX3C()YFODRS01%9S?%HY/NU=9 6$>TXD M^1OGI],-H^J K"HNPFC'V8'DQU[)U-$E5*=M50-D#(B2A#36@.E5B72=BU?1 MNG6,?8WND-#7F3#01%;SS[9.)TSKC0XVGBNM*Y6EK31F4 M;*,;*>N*GYW|;?^9W"21:"(XV.S_'87^5N'T5O^#BE]K2F#?TE9E|\YR> ^T MRE^^F%9$HB;+X'+>N(-O:>% M6[;9&KO@ITE!-[*G@BEP;HE0QN^6T^M26N#N^(G]RGE'+TNJ82KY M#[8RVXEWYI$5K&G)S:VL/T+K9V3Y,LFU>Y.ZB1UA<%9[(_,6C IR)IHO?6C/ M80XL+HW"7 M(>CX MHK\X?R0SIC,N=:F_ +Q8:|/PW_K5YZ\AC/L);\=ZX)F,/&PH#2H"KST[9OA M./C0Y_8_D>UYCSKOT2'VO5NO*"]A16Q)D<_SJZ^V*ECO]3: <8|=INT.5CH9! MXE>[KE[&Q/&XB]D3&W=BXX-BOTE#.?YZO9+QJ4!AOSG-I#:O:X]?Z KCLV?: M>V*BY]K]G5*S;>Z;]@T3FG!8(RH8O!]Y1#6MHYD86:CJ6TJ#M>R&6^RVH&P MIJ^E-$!=_TI_ %/+ P04 "]BOY8F@0Q_JH# !.$ &0 'AL M+W=O8V;F57.Q$H3G+Z$HB5:0ID<\?*!?B6+]EXDO:+O39L)?S'*RI?=4 M?|U7$D9^C;)F**Bs:#GATQ"&L M',*W.D250V0#+9G9L&Z))HN9%'LDC36@F1NKC?6&:%AFEO%>2WC*P$\O5A(R M0FI&U05:<9)IN))LC7[Y7K MO_N WB&6H3O&.2R;FOD:6)MW^TG%\&/),#S"\/%03'O42_DR5NH&JD11IP8FF:]CLH$O" M2%E.@#])!63XOW;"Q;U\0=R@%>%1E[O#*)AB-_>XYAZ_16R[^:S&@=|SLX! M#]HZ# (76EN+0/.#S:,%<1"&W41U6>%C]7IH(`!_!W%'DAU,R>_]?-_9=\.UL7=N MB4CP4"KM1M&2[#+8Y6=N;"F(3;N(7651% %4]CA-DD%<"JFC M;|4YL-34U%-IQ: <'59"OLX1F76H^@DVCBNY6))WA%GPTHL\ ;IMII:MN*. MI9 E:B>-!HOS471^>XX;S,8-QFD+V0P@"NC;>G@4A=8/.7'K*:3E&XDC=-7"; _5^AAZR2&D2=K? MD<_D[? #>*^GTN@KW E_O;15^6F#X=3YS9/DQ_]Y5N8:YOYO9-_B9JT2.HX@[MV*%=892]?WS81E22A ![X_!22:CZ"GTU>6XL% MS&H";0@>>6I50A:[2M'P#P*_'TVK;) .X)6VP']#^]==2)-VO-4D)=%&" . MM#^#]N3&T,?P!W43/_@!02P,$% @ /8K^6#">7OAV M @G<< !D !X;"]W;W)K&ULK55M:|,P$/XK M5IC0)L&<)EE!)8VT-D4#,31M&GO ?**3:V/-L8/MNM/?XY1[? G7N7;H2|4Q6 1O]RP.4+%26M0MV-R@IMQ_R7V;AQOV X>D' M1"T@>@A('@'$+2!^]D+2 I*G*IRU !S3V"RK-!K])E(26S1T'$.FE"F3HSU]B9'QT)'E&)T:7@NE)HQDLH$_ #Y8?SP !Z;B+NPHVW8D^@@ MX<<5/T5Q^ I%893TW&?Z='C<%\|_J<_ ^67TO&7'W!F+'%Q]^ |_YTI+|_| MWE=@3Y'T4]AN-E(-*6 'I*M# M!WVC1N'8W%]HT3[>LS %:1W.^4((O=U8@6XD9[\ 4$L#!!0 (M #V*_EAQ#(R26P. (T+ 9 >&PO=V]R:W-H965TYMA:.'6QW'?^>LY.& M=/,ZALJ7Q';NSL_SG'VYT5J['WH)8,AMQH4>!TMC\|,PU,D2,JJ/90X"O\RE MRJC[]5}$.E= 4^>4\3!J-GMA1ID(XI%;NU+Q2*X,9P*N%-&K+*/]UQEPN1X' MK6"S\ (DMEL8NA/$HIPN8@KG.KQ3.PBI*RC(0FDE!%,S'P6GK9#*T]L[@"X,U MKHV)93*3\H>=O$W'0=,_" @Z)L1$HOFY@ IS;0 CC9QDS]+:TCO7Q)OIKQQVY MS*B&B>1?66]6XV 0D!3F=,7-)[E^ R6?KHV72*[=DZQ+VV9 DI4V,BN=$4'& M1/&FMZ4.-8=NYP$']'2(_M:A73]T'=$"F:-U3@V-1TJNB;+6&,T.G#;.&]DP M8;,X-0J _O0S\06@!IH6[]+QCEF3H]"@\#M MIF%2@CPK0$8/@'RW$L>DW6R0!EU/.Z3W>[GD*![R[FWM]U#E*O2+*HTBUR\ M]FI-OIW.M%%X#K_[&!4A.OX0]FZ>]PE. [P\FE0-Q#$+YZU>LV7/GY[*K;% MMEVQ:>^*'KN+?23G1RL\%:0X%0G' 9LS3#XF|@.>"6%,E**1"FM/*I4FS5 M[<&N7V7E<S>X]**6G?ZWK<9]OU\>Q7?WDZ^GZ6A_#Y!'\">YY@-[@#TV$1#/)^ MA;"_$^&=&MH@U=VYWE34!ID:+))J9E1[3]9H)+)T,>5U)S5P2O[VZ-?8O.>. ME5?[]\LC.%R2BPK>(.^K9/M*RSXB;8DUJ,0:/$VLS6_F5X.4]W5/8CV"XZ&+ M3@XN#P|^'OI$VV?$+?&&E7C#?Q;O3Y;VI-\C4)Y;4:P*/E' .^S:%7F&M6;*- MZB55"R8T%I8Y;MP\[F/-4D7S5TR,S%W -),&NS$W7&* #,H:X>YE&8SL2U9 MU8'OP%02P,$% @ /8K^6*#,KR:7!P CE !D !X;"]W;W)K&ULM9QM:]LV%(7_"N%U0PNDMMYM9XF!)B*Q%.T6-.V& M8=@'Q69B8:+D2G32 /OQHV35-"6%I9:3?$@LF_>" M?%LE:7$Z6 JQ/AZ-BOF2KZ)BF*UY*E^YR?)5).1A? CLJUCF/%E70*ADYEA6, M5E&<#F8GU7.7^>PDVX@D3OEE3HK-:A7E#V<\R>Y/|_;@^Q.?XMNE*)\8S4[6 MT2V_XN++^C*71Z,=91&O>%K$64IR?G,Z>&)"5)CN-K#1WL^BP@]_I/]S/N$M ZC>YWI;U@P&9;P[1K>]0 M.8)5G&[_1M_JB=@+L+U' IPZP#DTP*T#W$,#O#K .S3 KP/0P."B"HYGX[M6=5,AY&(9B=V=D RLK6DE0\JN:IH. <%Q6OYG78ED->D3@E'^,DD?!0Q=W2V M[#HEK/1H>FL-#/I?AV|[=CG!J#O\8Y<9P M]L3@H_2Q\)'4:R>:LQ/-]7BN2;2+M!#Y1G[(!?GK6@VQ +@1?%7|W*;.E>=VT M,G<=%^MHSD\',CD5/+_C@]E//|B|]7.73DA8B(11)(R!8)]^[DY?UT2?_2:6 M/#\B*1==:AIC^ZJYA045K*Q"=[.WDY/1W;Y&'4UL2V|#D6-B()@V]=YNZCWC MU%>)4)2) <"$_9%W3;XGO_U;F!+\WMVI@3QL"=#0:6T%# >2P& BF*>#O%/#- M"Q"B.":1*MOS!;8<%D0Q5*6GDRFN <>)Y5V:&(E]-?%;TSY>. U)VFVQ40=_:#O^C^373/#BJ/IH//)EZ,S(Z:L$$A8B810)8R"8INQDI^P$ M^H5N@M07^0N1,(J$,1!,TW>ZTW?:XUO%D3R3D@>\$"2/|">OHX)$9,WSN=3^ M39?>1GI? O;I:1A7>;;|39!M1 MB"A=Q.EMYVFL$=)WLFN:5L>LYD37C7Q3(PH=%T/1=*GV7 ?[?Y0R\B^YVEP7 M _.NF3(+T3O[N5,C([JT0DA9":11*8RB:KKDR+6RL:V%#;0LH+832*)3&4#1= M9N5=V&;$XKFLB _)\;+/I\^QR"O6":E]S. WT!='RB-H6BZ MO,KXL8V^PZ&E%6KXU+3]0NVWK-6ZT?XY:=*R5]'C8BB;+H7R:&RS25->Z*XN M@7_(HI2P:!XGL7C8U3,\I!&%CHNA:+H4>RM6C*[#[/WE MG|V3]QG96QCLPA7LRA7LTI67,(<90 Y+C;Y0A>T0&DAE$;A-(;BZ3(K4\A! MF$)F2&]QVQ:3/6E>37';ZV4,[ZW|+77 M8S4NQ#27)T)[I5 :0!%T096[XR#<'3.DMVQM=R=H+>UP.MR=9B,*'1=#T70I ME+OCF-V=8#CV98T\R]*%JI&33CF@G@Z4%D)I%$IC*)]^9%YY.B[6TW&AG@Z4 M%D)I%$IC*)HNL_)T7+.G\]P::<;WEMWNK)'!N)EPH=U2*(VA:+]BRAIRS=;0 M8472#.FMF],JDF[+I:L;^:9&%#HNAJ+I4NSM.S*OW7&'5OM$9;:V#Y3&4#1=7_N.8-6 =62*CIXJ8W8(W;%;*] :O5B$+'O5 T70IE MT;A/[<&:^LT*Z79:K690;SF@N["@- JE,11-%UA9-BYV*Y8+-6^@M!!*HU : M0|%TF94=Y+[LCBPSOK?LTT>LUM9I)-3_@=(8BJ;OVU?^CX?8W66&]-7-:^_N M:GNM7GMW5]MKA8Z+H6BZ%JC*

C;?U6B^R^XBP.(W2.2?O-F*9Y;%XJ%: M?"^=GM,I$M2C@=)"*(U":0Q%TV571HZ'W>#E02T=*"V$TBB4QE T769E$GDO MN\'+C.\MN]M9.KV6*

*POMED)I#$73%=V[YPUB*8\9TENW]E(>QV^>7Q|2B$+' MQ5"TK12CO3NSE7?]^QCEMW%:D(3?2+PEZ^2 Y-N;WVT/1+:N;M9VG0F1K;]' M2QXM>%XVD*_?*
9/+,LSXH[_^VNP7A[#]02P,$% @ /8K^6&5[^JA%!0 M'2D !D !X;"]W;W)K&ULM9IM:ZLV&(;_BL7. MIE;J23)-.V22&TQ6]?3J6IUM@_3/CC$2=#A[=BF::7[^)F70DB(&W2>]4,*
MQ,_UV-S@ESN>;A/^36P8D^@U"F,Q,S92IM?#H? W+*)BD*0L5M^L$AY1J4[Y M>BA2SNBR"(K"H66:SC"B06S,I\6U1SZ?)ID,@Y@IF:/3/Y-7WDZFQ84Y9!Q&
(1)#'B;#4S:O"U9UEY0%'BSX!M MQ8U8R'R9(ZCZ]\+N6!CF)%6/[Q74]'/F@;O'[W2O M:+QJS((*=I>$?P5+N9D9$P,MV8IFH7Q*MK^QJD%VSO.34!22:%N6M4<&\C,A
MDZ@*5C6(@KC\3U^K&[$3@,=' JP]P-H/L(\$C*] T:D9QE7 ^-0,=A5@GYK! MJ0*%7$6TNL%G#]9SY*K;P,5)^H?M8 M2)ZI+D>BO[^H NA>LDC\TU&
[VY(V[];E/>FU2*G/9H;J*@7C+\R8__(3=LQ? MNW2"A+F0, ()\X!@+7W'M;YC'7W^2-|*7=4PAACEX9L;498L2HN1(5FI?GPA MNW364OO]#
ES(6&DA#D%+!_'7^;F=/BR*]YA"5R7:"EBUXK86D7L ;;LG|$? MB63B BTS=]PGN-5R^FH "7,A8002Y@'!6LHZM:(.,J0.H+"7,A8002Y@'! M6OI>UOI>;M]!C530&DN*(V
TCPH6EOFQJ?!>]J.FSW*O0K56 M5>;>?.5.GZ^WDKTEM24-\%E.9! MT=]2-M8+UGLO3\UKF/+ 9Q>(1DEV9%CML#C,R;YRH*8**(V TCPH6ENYQH+! M>@_FQO=YQI;U2]BIV.1
L=&^7I!>C M*(Z T#XK6UJNQ:I#>KW$&D\O3?I_0 M@WK/:R!I+BB-@-(*%K]Q_/&S[%,T.FK!>KL@-)<4!H!I7E0M+;,C05DZ2V@ M'YT$Z?&]98>DN: T4M'VIWN.Z@?-
YF_/%/&@ZM"6MW&,++UC],32C/L;*M30 MNE)I-/,A/:FWDI T%Y1&K$,ORQKMZP9J& UW=F]%C*^+?78"^;D6Y2Z<^FJ] ME^^FV,&V=_T.7[NXXSK!UUZY4Z_!EQL"RA?!['%
(5NI5,;@4BVZ>+D7KSR1 M25KL'5LD4B91<;AA=,EX7D!OTK4&%^=Y GJ'9'S_P!02P,$% @ /8K^ M6&DPDU?_T>O7Q+$#ISPMU_\L?>N+P!,
/I6T@B20T15,$3;N+1;$7C$3;1"72)6D(??N2DJ)* MKJRU@=D;6Z3X?QS.;W%DSO98,FLQ*_H>Q&+&MRJCC#P()++YCL6/&Y+Q M_=QRK9>,3W2U5]:#7LPV>$4>B?
JR>1"Z9=>4E.:$2]FX1F8I3YQ_,XV[=&XY)B*2D409!-9?.W)+LLR0=!S?*ZA5SVF$S>L7 M>EPL7B_F"4MRR[,_::K6R^$3[L_,;/52(: CH"^/(;IX]:8#$YZ# M>?_P#
!HHU]K%BOI9(4DTRRU7U!-2?]F>$BV=K]VVZOM]@IX< 1NHJJ!C*M M5VZVN2NYP0F96WH?DT3LB+4PT3EONRR$A(60L @2%@/!6H;ZM:%^0??[GM(_M)I78ZOU>H:\?]
!TIT@N_^WRUX?T%Q(60L(B2%@,!&OY&]3^!KT/|'7.MJI6 M_4X@%68I9:LN5WL9Y[I:PD8%S+R8[!;Z-65F[YIF04X8G3!A##1ARX-A[<&P MUX.8/I-45SM%-
%LA@15!%U@BC#9$)/]IZ]KE;WJ9YWI2PERWD2-GX S'T^&! M,:<,C"##BX%@+7=&M3NC7G=,A>PM:;WR'.68YQO689FHX=[V#? M_!WEN>Y!L?
I/5"MOTSIOT_^A#/4RS\WCM+,Z>$X0'"3SU($19'@Q$*SECNO\ M^B?M!/ISCY[IOLT[_PKW*L!U 906@M(B4%H,16L!VC@:<4$K486#LAF2%H+2
M(E!:#$5KV_SK3,3M/Q0I;$[XCC#,E+Q$C"B4FC[%=3>3/*.IWFQ3%-W:?_Y3RNW]CV_'XH-+<]H=SMK&@!R.@M!B*5AIK-XXYS;'W/18KRB3* MR%+C'9UH"XGR)+EL*+XI3CZ?N%
(\+R[7!*=$F 'Z_I)S]=(PAZGU>?[B)U!+ M P04 "]BOY88=0$MOD# !U& &0 'AL+W=O^6Z,ME 0>4%WP+3GZRX**C2IV+MRJT FA1I;N!YXW=@F;,":?FVIT(I[Q4 M>
<:@3A!9%@453W/(^7[F^,IAPGVVWJC@AM.MW0-#Z ^;> ^$/G-;2IH5P&3& M&1&PFCG7_E7LCRJ!:?%W!GMY3V93))2QX_D^6JLW.N71("BM:YNJ>[_ ^ 9D)F M@ G/I?E-]G7;T=
A22D5+QJQ'D&1L?HO?6R,.!'XSPF"1A!\)PB"9P2#1C!X MJ6#8'(8O%8P:@9FZ6\ _=&!=11<.IX'LBJM.::5AT8]XU:^Y6QZHORH(3^--,Z M%4:P5.0-
60A(,T7>TR3+,_5$7D6@:);+WZ>NTKU4;=VD(48U,7B&.";WG*F- M)#%+(>W1QW:]'U@ KIY>.\?@,,=Y8"5 ^Y+L+$@2O2> %@YX!+>SR\MU
MG'QZB,BK7WM]*!4F679"!9S!#"R:V8R)(-,:WC:9CTJ#](@P,=V#[(MPP]42I MUP%%,QV@&Y ;!87\W#/*>4T;IM.JY>U*;FD",T>O7Q+$#ISPMU_\L?>N+P!,
M6(0)BY%@G4B&;21#&SV\+GC)E"1Z?9>*LC1CZ]XDK)!SD]"$135L;$VL7 M>E-W=VJOK47'LU'KVO^!'6]G6!&@@F+,&Q]P3R64;R:7U
MAC"1)'P'C.IE]S5A^CT]K:XIKB\SR?,LI0I2$LIQ_HJNB:#Z7;&UL MK99=;YLP%(;_BL6]J9760" 26T:0VD33.JU2U*S;O;0+AYR 57\PVTG:?S_;
M$)9H!#53;L#&YWWMQ\=PB++="/JD<0*-G1KD:>[G6Q:K0@)>.A&C?A@$ Y]APKTD=L]F.HG%6E/"82;16C.&UUO M]^"!9+FV#_PD+G &<]"/Q4R:GE^[+ D#KHC@2,)]I-
UT1Y.AC7X%=$%!(M77 YK:!"5!]C>7CVE%>ZW=^2Z?+%EA@\'L M 9=PS84@$5!HM+?B_D*7.Q)Y[#RUAA==4)XCM9ZAX^M8O%52Y*]6L7T3G*Z5%]P2FQ4PPLL[M?]IV84_0[1T1A)4@2*T@J@21
RU7YK"F6.,DEF*+I(TV;K;A]L:I#0WA-HMS M+R@H/<.A4'8:Y!/VN5?UKR#HJ!)]AOHFCRL MR4/G%QWQF^=*ZNMO(!ERF_#S]PE =QJ8^M4$5[KUFMWLRS92!4YA()FW28'<
M@)>\?=,=!!^;4,]D=@ >U>!1FWNRE^O"YKH)MM7A5-C2;.#,[%=EDP2QOVD@ MZ-4$O=<2S(X1M#J<2G FLP/8?@W;/^LY[9\3_$QF!^"#&GS0FN6;+).080VH
MD(2GI#+IQDRLN6['"OQSR+I!\>6]_CM)_@!02P,$% @ /8K^6"0P:P"Y @ I_D M !D !X;"]W;W)K&ULK59=;/%PV/TK%JNF5EH# M@7QV!&E^5-U3*U6MVCU,>W#
(3;!J;&:;I/WWLPU%H2%HU7@!&]]S?(_OP7:X MX^)9)@ *O:24R9F3*)5=N*Z,$TBQ[$,F!Y9/MR33:+,!S<*,[R!!U"/ MV9W0/;=B69$4F"2<(0'KF?.M?S&?FG@;\$1@)_?:R"A9KF>.9A(!"
MK P#U]\MS(%20Z33^%-R.M64!KC??F,_LMJUEB66,.?T)UFI9.9,'+2"-[[U#]&1]^F%-IGVA7Q(X]!\6Y5#PMP3]#E+#BC5_*==@#] =' 'X)\/\5 M$)2 P
HM,K.R%KZ^_?5!4X2)UFRF8=?&HK4;PDP5'Y30HT3C5'2%B4!/F.: M^!I=$8993#!%UTP]D>MR*8E,%ZZ PH?(,G;/'AP4Z/3E#)X@P=$LHU;60H:MT M*H;0C%^1[_]
!/F^'+R#6\+Z%!W6XJQ>@6@&_6@7? M\@5'^0398F,H]M&CQ%K!:G\W;2K(!HT$YE_ID)F.(;9HW\]"6(+3O3Y4W_D M?6U2V1%937-0:0[:V*-[T!4FL8(5BK%,FK06!"-
+8+:#;=0/W>V^@+:(6E:# M*]M!:U9S+,0K81NT-9YL2]H5_I$"=$16DSJLI Z[,MVP2\T=D=4TCRK-H];R MWG'V.5<@4KW5+E63U
(_W'.4/QF/WIGN,"@8>EZS\)95:N/6U.Q.>-1UK=B/ M5] CLIK,225STI7K)EUJ]HBLIGE::9[^I^NF!_N8/PFF[UQW&*1=-WCG.G?O M+#;WH%LL-H1)1&&M85YOK%7B5M%T5$\L\?
SDBM]V-MFHJ]C($R 'E]SKMXZ MYL2O+GC17U!+ P04 "]BOY8EYA1?ZX" ?!P &0 'AL+W=O:-I%K8L&2]0&JXD M:%R,@[/>Z?3$Y?
N$;QS79FL,3LE0*0H&I=0R,7BNL' TVDG+G!F<*O&=9S8?!^\#R'#!*F%OU?H2&SV^P%0)XY^P M;G*C -+*6%4T8*[@X+) ^L\?&ART \70#X@80_RN@WP#Z7FA=F964VKG'
VF9&)Q)<:83I&5K&A3F (IB_F\'^W@'L M 9=PS84@$5!THM+2E X9I0S^1Z>,7Z/MPK:3-#9S+#+,_ '0W?K@#'Y+45F^\ MT3N)=Q) ^JN0O!X-#B*-XT%7/?\.?E=-O[>][OL$+?,=R21'4F
&%]11!P,_ MX?YSE!<[N=QY/S4E2W$7LX#6=?26R9\Z>M,Z> M[/RA+JAQPSZ91:>8NB2YA* 6P(Q!VWE^:[JAIW,M?Y4<]>C/7FT+VIU3UQEN M]:
"]=*W9@.IJ]2MVU$;;;O_F6]ZX=_T^NJX9II.A0&!"X)&Q^]H?UVWXWIB M5>D[VEQ9ZH]^F-,-AMHET/T*;N9N W:.S'Y U!+ P04 "]BOY8*X.$ M]0D3 H* $ &0 'AL+W=O
MQ_&WTG78[#^1P,[5\XP)_S_FN6_U8\2EF*;XMY6GRX>"S+Y;O+RV+R*!=Q M\6.VE&GUFX5P,+B^7,1)>G'[?OU>F-^^SU;E M/$EEF(MBM5C$^?=/RSK-RYOWR_CF?
PLRU^785[!=+E5 MILE"ID62I2*7#Q\N/BKOHJLW=8/U$G]Y=BY[6HA\IEOU6_V!-/UP,ZC62 MOS>H!?;/NN&NZ^?='W]X:L/- W>G-K#3=@YM0>WC8-
WI:@S)XVG.#DYML=_;)>UMYVMW*_OX>*2\U M>=KARLE[7'G:YZ\K3;E?V]_MHI%^3IQVOK/?\Y>9[M?Y2 MJG$9WI[/LZ\BKY>OO/K%^IN]:E]%Y.T#'Y/95[]-
JG:E;=W65HFZ4RFDT06 MK\5=ME@D914R92'B="[*\E'FPDWB^V2>E-4BXI4JRSB9%S^(O_WE9G0]_DDD MJ?"2^;R*E KXZ^Z/IR_+:A7KCBXGS>KHF]49OK ZBO"]%7HLA)9.Y?1
>ZN_ M_>A8>Z^__75/^\MJTVZW[_!I^WX:]H+V*OU!*%>OQ7 P'(E?/ZOBU5] ,+!> M=_V,%^<_ BI%RE%'8;1??QO:OFKUX"...?+2X^FB#[CNT]X]MF?EV7<8]'GH
M9U0Y.6G+F*>O31]CG;"[1X.C\!H^?3_U,/)!8W7B M:;2-_]&ZB]$+7;A948C.WP#Q+[=:1EBE7!3_=6"=/VW \6&P/F9^5RSCB?QP M41T4%S+_(B]N__87Y7KPTZ'4(S&5Q#02TTG,
(#&3Q"P2LTG,(3&7Q#P2\TDL M(+&0Q"((ZR3F>)N8XS[!UE\M[]M#XNQ!3.8R3E?+[=^N0OS1]W?L4Z|[:G"2 MF$IB&HGI)&:0F$EB%HG9)..0F$MBW@:[6F/UJ;8OMZ/!^\LONW%
([)A>06$AB M$81UXO!]&X=7O7'XLUS(;:+../-'HXCZ>Q^E$'LK 7NS<#"0QE<0T$M-)S-A@ MUSO?&N5-]UMCDOU9Q_NSR?X<$G-)S#N^)7RROX#$0A*+(*R35!?:O+K^=_/I
M=75$%Q=%\I#(]B@+$8O)*L^K8;>8-^<_OQ^*M-[^SHTT$E-)3",QG<2,ZV<' M ON)1G9G'>W.)KMS2,PE,>_HAO#)[@(2"TDL@K!.GKW9YMZ;WCP+X^^;JS6Y
MG,=E%5QE5KUL,TY^6\]TD%6:+9?S=;#-XB0M2E$^RFT OIK+H]C>B=/ZZDTA M)UDZ%;^OXKR4^;'SEI]ZU^GN/12B?90HHR_O84=H?BK-
0F'OS;.2YM^[>T4_G/S>&>XL$Y#]')!9! M6"=YWFZ3YVUO\AC5X5,JE.K))^*975$]7WW2&VW99_\M)DZ5X2-]/ M!)]DLT/IU-O/N>E$8B]:22FDYA!8B:)66^??
7^'P[UX(OMS2,PE,>_XEO#) M_@(2"TDL@K!.Z"F#;>K5>WGVQ-Y=MKBOWJ[*ASC)Q9=XOI)U_LVV:7@HX?K- M:)(RH.)U0NY^ET\-'>++W]G)V7[*:BFH9J,JH9J&:B MFM5HN\
<_X]''^T2#9HX-J+JIY)VP-'^TQ0+40U2)*ZZ9@6R.A]-Y0?/MY)]Q> M/Z7A3OH=##RT3 +55%334$U'-0/53%2S&JUS:GW_4BG:HX-J+JIY)VP-'^TQ M0+40U2)*ZP9>6^)0ES?
W'?;)?)&DFQM(TJO.(L99YD4_$J2<4T_EXMAH])):A;JV:CFH)+:AZ]^:@H%[(:A&E M=3.SK8-0^@LAFAOQ1)DLZ@%Q?U"B91"HI

'AL+W=O&PO=V]R:W-H965T M&UL4$L! A0# M% @ /8K^6]LMU*U @ ?0< !D ("!LT$! 'AL+W=O MW%@" #+ M!0 &0 @(&?1 $ >&PO=V]R:W-H965T&UL4$L! A0#% @ /8K^6"39 M+1QV @ W04 !D ("!#TL! 'AL+W=O^'8" ">!P &0 M @(&\30$ >&PO=V]R:W-H965T&UL4$L! A0#% @ /8K^6*#,KR:7!P CE !D M ("!^U,! 'AL+W=O&PO M=V]R:W-H965T&UL4$L! A0#% @ /8K^6&'4!+;Y P =1@ !D ("! M6V4! 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% M @ /8K^6)>847^N @ 'P< !D ("!/&\! 'AL+W=O6QE&PO=V]R:V)O;VLN>&UL4$L! A0#% @ /8K^6,?7 XML 86 Show.js IDEA: XBRL DOCUMENT // Edgar(tm) Renderer was created by staff of the U.S. Securities and Exchange Commission. Data and content created by government employees within the scope of their employment are not subject to domestic copyright protection. 17 U.S.C. 105. var Show={};Show.LastAR=null,Show.showAR=function(a,r,w){if(Show.LastAR)Show.hideAR();var e=a;while(e&&e.nodeName!='TABLE')e=e.nextSibling;if(!e||e.nodeName!='TABLE'){var ref=((window)?w.document:document).getElementById(r);if(ref){e=ref.cloneNode(!0);e.removeAttribute('id');a.parentNode.appendChild(e)}} if(e)e.style.display='block';Show.LastAR=e};Show.hideAR=function(){Show.LastAR.style.display='none'};Show.toggleNext=function(a){var e=a;while(e.nodeName!='DIV')e=e.nextSibling;if(!e.style){}else if(!e.style.display){}else{var d,p ;if(e.style.display=='none'){d='block';p='-'}else{d='none';p='+'} e.style.display=d;if(a.textContent){a.textContent=p+a.textContent.substring(1)}else{a.innerText=p+a.innerText.substring(1)}}} XML 87 report.css IDEA: XBRL DOCUMENT /* Updated 2009-11-04 */ /* v2.2.0.24 */ /* DefRef Styles */ .report table.authRefData{ background-color: #def; border: 2px solid #2F4497; font-size: 1em; position: absolute; } .report table.authRefData a { display: block; font-weight: bold; } .report table.authRefData p { margin-top: 0px; } .report table.authRefData .hide { background-color: #2F4497; padding: 1px 3px 0px 0px; text-align: right; } .report table.authRefData .hide a:hover { background-color: #2F4497; } .report table.authRefData .body { height: 150px; overflow: auto; width: 400px; } .report table.authRefData table{ font-size: 1em; } /* Report Styles */ .pl a, .pl a:visited { color: black; text-decoration: none; } /* table */ .report { background-color: white; border: 2px solid #acf; clear: both; color: black; font: normal 8pt Helvetica, Arial, san-serif; margin-bottom: 2em; } .report hr { border: 1px solid #acf; } /* Top labels */ .report th { background-color: #acf; color: black; font-weight: bold; text-align: center; } .report th.void { background-color: transparent; color: #000000; font: bold 10pt Helvetica, Arial, san-serif; text-align: left; } .report .pl { text-align: left; vertical-align: top; white-space: normal; width: 200px; white-space: normal; /* word-wrap: break-word; */ } .report td.pl a.a { cursor: pointer; display: block; width: 200px; overflow: hidden; } .report td.pl div.a { width: 200px; } .report td.pl a:hover { background-color: #ffc; } /* Header rows... */ .report tr.rh { background-color: #acf; color: black; font-weight: bold; } /* Calendars... */ .report .rc { background-color: #f0f0f0; } /* Even rows... */ .report .re, .report .reu { background-color: #def; } .report .reu td { border-bottom: 1px solid black; } /* Odd rows... */ .report .ro, .report .rou { background-color: white; } .report .rou td { border-bottom: 1px solid black; } .report .rou table td, .report .reu table td { border-bottom: 0px solid black; } /* styles for footnote marker */ .report .fn { white-space: nowrap; } /* styles for numeric types */ .report .num, .report .nump { text-align: right; white-space: nowrap; } .report .nump { padding-left: 2em; } .report .nump { padding: 0px 0.4em 0px 2em; } /* styles for text types */ .report .text { text-align: left; white-space: normal; } .report .text .big { margin-bottom: 1em; width: 17em; } .report .text .more { display: none; } .report .text .note { font-style: italic; font-weight: bold; } .report .text .small { width: 10em; } .report sup { font-style: italic; } .report .outerFootnotes { font-size: 1em; } XML 89 FilingSummary.xml IDEA: XBRL DOCUMENT 3.24.2 html 360 289 1 false 76 0 false 11 false false R1.htm 0000001 - 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Disclosure - Subsequent Events (Details) Sheet http://www.howmet.com/role/SubsequentEventsDetails Subsequent Events (Details) Details http://www.howmet.com/role/SubsequentEvents 74 false false All Reports Book All Reports hwm-20240630.htm hwm-20240630.xsd hwm-20240630_cal.xml hwm-20240630_def.xml hwm-20240630_lab.xml hwm-20240630_pre.xml http://fasb.org/srt/2024 http://fasb.org/us-gaap/2024 http://xbrl.sec.gov/dei/2024 true true JSON 91 MetaLinks.json IDEA: XBRL DOCUMENT { "version": "2.2", "instance": { "hwm-20240630.htm": { "nsprefix": "hwm", "nsuri": "http://www.howmet.com/20240630", "dts": { "inline": { "local": ["hwm-20240630.htm"] }, "schema": { "local": ["hwm-20240630.xsd"], "remote": ["http://www.xbrl.org/2003/xbrl-instance-2003-12-31.xsd", "http://www.xbrl.org/2003/xbrl-linkbase-2003-12-31.xsd", "http://www.xbrl.org/2003/xl-2003-12-31.xsd", "http://www.xbrl.org/2003/xlink-2003-12-31.xsd", "http://www.xbrl.org/2005/xbrldt-2005.xsd", "http://www.xbrl.org/2006/ref-2006-02-27.xsd", "http://www.xbrl.org/lrr/role/negated-2009-12-16.xsd", "http://www.xbrl.org/lrr/role/net-2009-12-16.xsd", "http://www.xbrl.org/lrr/role/reference-2009-12-16.xsd", "https://www.xbrl.org/2020/extensible-enumerations-2.0.xsd", "https://www.xbrl.org/dtr/type/2020-01-21/types.xsd", "https://www.xbrl.org/dtr/type/2022-03-31/types.xsd", "https://xbrl.fasb.org/srt/2024/elts/srt-2024.xsd", "https://xbrl.fasb.org/srt/2024/elts/srt-roles-2024.xsd", "https://xbrl.fasb.org/srt/2024/elts/srt-types-2024.xsd", "https://xbrl.fasb.org/us-gaap/2024/elts/us-gaap-2024.xsd", "https://xbrl.fasb.org/us-gaap/2024/elts/us-roles-2024.xsd", "https://xbrl.fasb.org/us-gaap/2024/elts/us-types-2024.xsd", "https://xbrl.sec.gov/country/2024/country-2024.xsd", "https://xbrl.sec.gov/dei/2024/dei-2024.xsd", "https://xbrl.sec.gov/stpr/2024/stpr-2024.xsd"] }, "calculationLink": { "local": ["hwm-20240630_cal.xml"] }, "definitionLink": { "local": ["hwm-20240630_def.xml"] }, "labelLink": { "local": ["hwm-20240630_lab.xml"] }, "presentationLink": { "local": ["hwm-20240630_pre.xml"] } }, "keyStandard": 257, "keyCustom": 32, "axisStandard": 29, "axisCustom": 0, "memberStandard": 36, "memberCustom": 38, "hidden": { "total": 13, "http://xbrl.sec.gov/dei/2024": 5, "http://fasb.org/us-gaap/2024": 8 }, "contextCount": 360, "entityCount": 1, "segmentCount": 76, "elementCount": 503, "unitCount": 11, "baseTaxonomies": { "http://fasb.org/us-gaap/2024": 1136, "http://xbrl.sec.gov/dei/2024": 32, "http://fasb.org/srt/2024": 2 }, "report": { "R1": { "role": "http://www.howmet.com/role/Cover", "longName": "0000001 - 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An ASR is a combination of transactions that permits an entity to purchase a targeted number of shares immediately with the final purchase price of those shares determined by an average market price over a fixed period of time. An accelerated share repurchase program is intended to combine the immediate share retirement benefits of a tender offer with the market impact and pricing benefits of a disciplined daily open market stock repurchase program. 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Credit facilities provide capital to borrowers without the need to structure a loan for each borrowing." } } }, "auth_ref": [ "r403", "r988" ] }, "us-gaap_CreditFacilityDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CreditFacilityDomain", "presentation": [ "http://www.howmet.com/role/ContingenciesCommitmentsandOtherLiabilitiesDetails", "http://www.howmet.com/role/DebtCreditFacilityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Credit Facility [Domain]", "label": "Credit Facility [Domain]", "documentation": "Type of credit facility. 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The risk is the materially adverse effects of loss of a significant customer." } } }, "auth_ref": [ "r138", "r343" ] }, "us-gaap_DebtDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtDisclosureAbstract", "lang": { "en-us": { "role": { "terseLabel": "Debt Disclosure [Abstract]", "label": "Debt Disclosure [Abstract]" } } }, "auth_ref": [] }, "us-gaap_DebtDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtDisclosureTextBlock", "presentation": [ "http://www.howmet.com/role/Debt" ], "lang": { "en-us": { "role": { "terseLabel": "Debt", "label": "Debt Disclosure [Text Block]", "documentation": "The entire disclosure for information about short-term and long-term debt arrangements, which includes amounts of borrowings under each line of credit, note payable, commercial paper issue, bonds indenture, debenture issue, own-share lending arrangements and any other contractual agreement to repay funds, and about the underlying arrangements, rationale for a classification as long-term, including repayment terms, interest rates, collateral provided, restrictions on use of assets and activities, whether or not in compliance with debt covenants, and other matters important to users of the financial statements, such as the effects of refinancing and noncompliance with debt covenants." } } }, "auth_ref": [ "r149", "r262", "r369", "r370", "r371", "r372", "r373", "r402", "r403", "r415", "r421", "r422", "r423", "r424", "r425", "r426", "r431", "r438", "r439", "r441", "r599" ] }, "us-gaap_DebtInstrumentAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentAxis", "presentation": [ "http://www.howmet.com/role/DebtLongTermDebtDetails", "http://www.howmet.com/role/DebtPublicDebtDetails", "http://www.howmet.com/role/DebtTermLoanFacilitiesDetails", "http://www.howmet.com/role/SubsequentEventsDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Debt Instrument [Axis]", "label": "Debt Instrument [Axis]", "documentation": "Information by type of debt instrument, including, but not limited to, draws against credit facilities." } } }, "auth_ref": [ "r23", "r96", "r97", "r163", "r165", "r265", "r416", "r417", "r418", "r419", "r420", "r422", "r427", "r428", "r429", "r430", "r432", "r433", "r434", "r435", "r436", "r437", "r855", "r856", "r857", "r858", "r859", "r879", "r947", "r974", "r975", "r976", "r1012", "r1013" ] }, "us-gaap_DebtInstrumentCarryingAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentCarryingAmount", "crdr": "credit", "calculation": { "http://www.howmet.com/role/DebtLongTermDebtDetails": { "parentTag": "us-gaap_LongTermDebt", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://www.howmet.com/role/DebtLongTermDebtDetails", "http://www.howmet.com/role/DebtTermLoanFacilitiesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Amount outstanding", "label": "Long-Term Debt, Gross", "documentation": "Amount, before unamortized (discount) premium and debt issuance costs, of long-term debt. 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Periodic benefit costs include the following components: service cost, interest cost, expected return on plan assets, gain (loss), prior service cost or credit, transition asset or obligation, and gain (loss) due to settlements or curtailments." } } }, "auth_ref": [] }, "us-gaap_DefinedBenefitPlanActuarialGainLossImmediateRecognitionAsComponentInNetPeriodicBenefitCostCredit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanActuarialGainLossImmediateRecognitionAsComponentInNetPeriodicBenefitCostCredit", "crdr": "credit", "calculation": { "http://www.howmet.com/role/PensionandOtherPostretirementBenefitsComponentsofNetPeriodicBenefitCostDetails": { "parentTag": "us-gaap_DefinedBenefitPlanNetPeriodicBenefitCost", "weight": -1.0, "order": 5.0 } }, "presentation": ["http://www.howmet.com/role/PensionandOtherPostretirementBenefitsComponentsofNetPeriodicBenefitCostDetails"], "lang": { "en-us": { "role": { "negatedLabel": "Recognized net actuarial (gain) loss", "label": "Defined Benefit Plan, Actuarial Gain (Loss), Immediate Recognition as Component in Net Periodic Benefit (Cost) Credit", "documentation": "Amount of gain (loss), recognized immediately as component of net periodic benefit (cost) credit, for change in value of benefit obligation or plan assets from experience different from that assumed, change in actuarial assumption, or consequence of temporarily deviating from substantive plan. Includes, but is not limited to, amount in excess of 10 percent of greater of fair value of plan assets or benefit obligation." } } }, "auth_ref": ["r456", "r494", "r515"] }, "us-gaap_DefinedBenefitPlanAmortizationOfPriorServiceCostCredit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanAmortizationOfPriorServiceCostCredit", "crdr": "debit", "calculation": { "http://www.howmet.com/role/PensionandOtherPostretirementBenefitsComponentsofNetPeriodicBenefitCostDetails": { "parentTag": "us-gaap_DefinedBenefitPlanNetPeriodicBenefitCost", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.howmet.com/role/PensionandOtherPostretirementBenefitsComponentsofNetPeriodicBenefitCostDetails"], "lang": { "en-us": { "role": { "terseLabel": "Amortization of prior service benefit", "label": "Defined Benefit Plan, Amortization of Prior Service Cost (Credit)", "documentation": "Amount of prior service cost (credit) recognized in net periodic benefit cost (credit) of defined benefit plan." } } }, "auth_ref": ["r456", "r495", "r516", "r864", "r865"] }, "hwm_DefinedBenefitPlanBenefitObligationContributionsAndPayments": { "xbrltype": "monetaryItemType", "nsuri": "http://www.howmet.com/20240630", "localname": "DefinedBenefitPlanBenefitObligationContributionsAndPayments", "crdr": "credit", "presentation": ["http://www.howmet.com/role/PensionandOtherPostretirementBenefitsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Contributions and payments", "label": "Defined Benefit Plan, Benefit Obligation, Contributions And Payments", "documentation": "Defined Benefit Plan, Benefit Obligation, Contributions And Payments" } } }, "auth_ref": [] }, "us-gaap_DefinedBenefitPlanDisclosureLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanDisclosureLineItems", "presentation": ["http://www.howmet.com/role/PensionandOtherPostretirementBenefitsComponentsofNetPeriodicBenefitCostDetails", "http://www.howmet.com/role/PensionandOtherPostretirementBenefitsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Defined Benefit Plan Disclosure [Line Items]", "label": "Defined Benefit Plan Disclosure [Line Items]", "documentation": "Line items represent financial concepts included in a table. 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Addresses all significant policy factors, including any antidilutive items that have been excluded from the computation and takes into account stock dividends, splits and reverse splits that occur after the balance sheet date of the latest reporting period but before the issuance of the financial statements." } } }, "auth_ref": ["r36", "r37", "r302"] }, "us-gaap_EarningsPerShareTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EarningsPerShareTextBlock", "presentation": ["http://www.howmet.com/role/EarningsPerShareandCommonStock"], "lang": { "en-us": { "role": { "terseLabel": "Earnings Per Share and Common Stock", "label": "Earnings Per Share [Text Block]", "documentation": "The entire disclosure for earnings per share." } } }, "auth_ref": ["r286", "r301", "r303", "r304"] }, "us-gaap_EffectOfExchangeRateOnCashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectOfExchangeRateOnCashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents", "crdr": "debit", "calculation": { "http://www.howmet.com/role/StatementofConsolidatedCashFlowsunaudited": { "parentTag": "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.howmet.com/role/StatementofConsolidatedCashFlowsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Effect of exchange rate changes on cash, cash equivalents and restricted cash", "label": "Effect of Exchange Rate on Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Continuing Operations", "documentation": "Amount of increase (decrease) from effect of exchange rate changes on cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; held in foreign currencies. Excludes amounts for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r591"] }, "us-gaap_EffectiveIncomeTaxRateContinuingOperations": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectiveIncomeTaxRateContinuingOperations", "presentation": ["http://www.howmet.com/role/IncomeTaxesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Effective income tax rate reconciliation (as a percent)", "label": "Effective Income Tax Rate Reconciliation, Percent", "documentation": "Percentage of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations." } } }, "auth_ref": ["r539", "r873"] }, "hwm_EffectiveIncomeTaxRateReconciliationIncludingDiscreteItemsPercent": { "xbrltype": "percentItemType", "nsuri": "http://www.howmet.com/20240630", "localname": "EffectiveIncomeTaxRateReconciliationIncludingDiscreteItemsPercent", "presentation": ["http://www.howmet.com/role/IncomeTaxesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Effective income tax rate reconciliation, including discrete items (as a percent)", "label": "Effective Income Tax Rate Reconciliation, Including Discrete Items, Percent", "documentation": "Effective Income Tax Rate Reconciliation, Including Discrete Items, Percent" } } }, "auth_ref": [] }, "hwm_EffectiveIncomeTaxRateReconciliationReleaseOfValuationAllowanceForeignTaxCreditsAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://www.howmet.com/20240630", "localname": "EffectiveIncomeTaxRateReconciliationReleaseOfValuationAllowanceForeignTaxCreditsAmount", "crdr": "credit", "presentation": ["http://www.howmet.com/role/IncomeTaxesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Release of valuation allowance, foreign tax credits, amount", "label": "Effective Income Tax Rate Reconciliation, Release Of Valuation Allowance, Foreign Tax Credits, Amount", "documentation": "Effective Income Tax Rate Reconciliation, Release Of Valuation Allowance, Foreign Tax Credits, Amount" } } }, "auth_ref": [] }, "us-gaap_EffectiveIncomeTaxRateReconciliationShareBasedCompensationExcessTaxBenefitAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectiveIncomeTaxRateReconciliationShareBasedCompensationExcessTaxBenefitAmount", "crdr": "debit", "presentation": ["http://www.howmet.com/role/IncomeTaxesNarrativeDetails"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Excess tax benefit for stock compensation", "label": "Effective Income Tax Rate Reconciliation, Tax Expense (Benefit), Share-Based Payment Arrangement, Amount", "documentation": "Amount of difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying domestic federal statutory income tax rate to pretax income (loss) from continuing operation, attributable to expense for award under share-based payment arrangement. Excludes expense determined to be nondeductible upon grant or after for award under share-based payment arrangement." } } }, "auth_ref": ["r923", "r996", "r997"] }, "us-gaap_EmployeeRelatedLiabilitiesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeRelatedLiabilitiesCurrent", "crdr": "credit", "calculation": { "http://www.howmet.com/role/ConsolidatedBalanceSheetunaudited": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.howmet.com/role/ConsolidatedBalanceSheetunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Accrued compensation and retirement costs", "label": "Employee-related Liabilities, Current", "documentation": "Total of the carrying values as of the balance sheet date of obligations incurred through that date and payable for obligations related to services received from employees, such as accrued salaries and bonuses, payroll taxes and fringe benefits. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)." } } }, "auth_ref": ["r97"] }, "us-gaap_EmployeeSeveranceMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeSeveranceMember", "presentation": ["http://www.howmet.com/role/RestructuringandOtherChargesActivityandReserveBalancesforRestructuringChargesDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Layoff costs", "label": "Employee Severance [Member]", "documentation": "Termination of an employee associated with exit from or disposal of business activities or restructurings pursuant to a plan." } } }, "auth_ref": [] }, "us-gaap_EmployeeStockOptionMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeStockOptionMember", "presentation": ["http://www.howmet.com/role/EarningsPerShareandCommonStockNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Stock Options", "label": "Share-Based Payment Arrangement, Option [Member]", "documentation": "Share-based payment arrangement granting right, subject to vesting and other restrictions, to purchase or sell certain number of shares at predetermined price for specified period of time." } } }, "auth_ref": [] }, "hwm_EngineProductsSegmentMember": { "xbrltype": "domainItemType", "nsuri": "http://www.howmet.com/20240630", "localname": "EngineProductsSegmentMember", "presentation": ["http://www.howmet.com/role/RestructuringandOtherChargesNarrativeDetails", "http://www.howmet.com/role/SegmentInformationDisaggregationofRevenuebyMajorEndMarketServedDetails",

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It is commonly abbreviated as CIK." } } }, "auth_ref": [ "r911" ] }, "dei_EntityCommonStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCommonStockSharesOutstanding", "presentation": [ "http://www.howmet.com/role/Cover" ], "lang": { "en-us": { "role": { "terseLabel": "Entity Common Stock, Shares Outstanding", "label": "Entity Common Stock, Shares Outstanding", "documentation": "Indicate number of shares or other units outstanding of each of registrant's classes of capital or common stock or other ownership interests, if and as stated on cover of related periodic report. Where multiple classes or units exist define each class/interest by adding class of stock items such as Common Class A [Member], Common Class B [Member] or Partnership Interest [Member] onto the Instrument [Domain] of the Entity Listings, Instrument." } } }, "auth_ref": [] }, "dei_EntityCurrentReportingStatus": { "xbrltype": "yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCurrentReportingStatus", "presentation": [ "http://www.howmet.com/role/Cover" ], "lang": { "en-us": { "role": { "terseLabel": "Entity Current Reporting Status", "label": "Entity Current Reporting Status", "documentation": "Indicate 'Yes' or 'No' whether registrants (1) have filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that registrants were required to file such reports), and (2) have been subject to such filing requirements for the past 90 days. This information should be based on the registrant's current or most recent filing containing the related disclosure." } } }, "auth_ref": [] }, "dei_EntityEmergingGrowthCompany": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityEmergingGrowthCompany", "presentation": [ "http://www.howmet.com/role/Cover" ], "lang": { "en-us": { "role": { "terseLabel": "Entity Emerging Growth Company", "label": "Entity Emerging Growth Company", "documentation": "Indicate if registrant meets the emerging growth company criteria." } } }, "auth_ref": [ "r911" ] }, "dei_EntityFileNumber": { "xbrltype": "fileNumberItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityFileNumber", "presentation": [ "http://www.howmet.com/role/Cover" ], "lang": { "en-us": { "role": { "terseLabel": "Entity File Number", "label": "Entity File Number", "documentation": "Commission file number. The field allows up to 17 characters. The prefix may contain 1-3 digits, the sequence number may contain 1-8 digits, the optional suffix may contain 1-4 characters, and the fields are separated with a hyphen." } } }, "auth_ref": [] }, "dei_EntityFilerCategory": { "xbrltype": "filerCategoryItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityFilerCategory", "presentation": [ "http://www.howmet.com/role/Cover" ], "lang": { "en-us": { "role": { "terseLabel": "Entity Filer Category", "label": "Entity Filer Category", "documentation": "Indicate whether the registrant is one of the following: Large Accelerated Filer, Accelerated Filer, Non-accelerated Filer. Definitions of these categories are stated in Rule 12b-2 of the Exchange Act. This information should be based on the registrant's current or most recent filing containing the related disclosure." } } }, "auth_ref": [ "r911" ] }, "dei_EntityIncorporationStateCountryCode": { "xbrltype": "edgarStateCountryItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityIncorporationStateCountryCode", "presentation": [ "http://www.howmet.com/role/Cover" ], "lang": { "en-us": { "role": { "terseLabel": "Entity Incorporation, State or Country Code", "label": "Entity Incorporation, State or Country Code", "documentation": "Two-character EDGAR code representing the state or country of incorporation." } } }, "auth_ref": [] }, "dei_EntityInformationLineItems": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityInformationLineItems", "presentation": [ "http://www.howmet.com/role/Cover" ], "lang": { "en-us": { "role": { "terseLabel": "Entity Information [Line Items]", "label": "Entity Information [Line Items]", "documentation": "Line items represent financial concepts included in a table. 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This disclosure includes, but is not limited to, fair value measurements of short and long term marketable securities, international currencies forward contracts, and auction rate securities. Financial instruments may include hedging and non-hedging currency exchange instruments, derivatives, securitizations and securities available for sale at fair value. 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Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)." } } }, "auth_ref": ["r97"] }, "us-gaap_InterestPayableCurrentAndNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InterestPayableCurrentAndNoncurrent", "crdr": "credit", "presentation": ["http://www.howmet.com/role/DebtPublicDebtDetails"], "lang": { "en-us": { "role": { "terseLabel": "Accrued interest", "label": "Interest Payable", "documentation": "Amount of interest payable on debt, including, but not limited to, trade payables." } } }, "auth_ref": ["r164", "r1024"] }, "us-gaap_IntersegmentEliminationMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IntersegmentEliminationMember", "presentation": ["http://www.howmet.com/role/SegmentInformationOperatingResultsofReportableSegmentsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Inter-segment sales", "label": "Intersegment Eliminations [Member]", "documentation": "Eliminating entries used in operating segment consolidation." } } }, "auth_ref": ["r171", "r306", "r316", "r330", "r331", "r332", "r333", "r334", "r336", "r337", "r845"] }, "us-gaap_InventoryDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryDisclosureAbstract", "lang": { "en-us": { "role": { "terseLabel": "Inventory Disclosure [Abstract]", "label": "Inventory Disclosure [Abstract]" } } }, "auth_ref": [] }, "us-gaap_InventoryDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryDisclosureTextBlock", "presentation": ["http://www.howmet.com/role/Inventories"], "lang": { "en-us": { "role": { "terseLabel": "Inventories", "label": "Inventory Disclosure [Text Block]", "documentation": "The entire disclosure for inventory. 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May also include items used in the storage, presentation or transportation of physical goods." } } }, "auth_ref": ["r141", "r836"] }, "us-gaap_InventoryWorkInProcessNetOfReserves": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryWorkInProcessNetOfReserves", "crdr": "debit", "calculation": { "http://www.howmet.com/role/InventoriesInventoriesComponentsDetails": { "parentTag": "us-gaap_InventoryNet", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.howmet.com/role/InventoriesInventoriesComponentsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Work-in-process", "label": "Inventory, Work in Process, Net of Reserves", "documentation": "Carrying amount, net of reserves and adjustments, as of the balance sheet date of merchandise or goods which are partially completed. This inventory is generally comprised of raw materials, labor and factory overhead costs, which require further materials, labor and overhead to be converted into finished goods, and which generally require the use of estimates to determine percentage complete and pricing." } } }, "auth_ref": ["r141", "r834"] }, "us-gaap_InvestmentIncomeNonoperating": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InvestmentIncomeNonoperating", "crdr": "credit", "calculation": { "http://www.howmet.com/role/OtherExpenseIncomeNetOtherExpenseNetDetails": { "parentTag": "us-gaap_NonoperatingIncomeExpense", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.howmet.com/role/OtherExpenseIncomeNetOtherExpenseNetDetails"], "lang": { "en-us": { "role": { "negatedLabel": "Interest income", "label": "Investment Income, Nonoperating", "documentation": "The aggregate amount of income from investments (for example, dividends) not considered a component of the entity's core operations." } } }, "auth_ref": ["r127"] }, "hwm_JPYTermLoanFacilityDue2026Member": { "xbrltype": "domainItemType", "nsuri": "http://www.howmet.com/20240630", "localname": "JPYTermLoanFacilityDue2026Member", "presentation": ["http://www.howmet.com/role/DebtLongTermDebtDetails"], "lang": { "en-us": { "role": { "terseLabel": "JPY Term Loan Facility, due 2026", "label": "JPY Term Loan Facility, Due 2026 [Member]", "documentation": "JPY Term Loan Facility, Due 2026" } } }, "auth_ref": [] }, "hwm_JPYTermLoanMember": { "xbrltype": "domainItemType", "nsuri": "http://www.howmet.com/20240630", "localname": "JPYTermLoanMember", "presentation": ["http://www.howmet.com/role/DebtTermLoanFacilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "JPY Term Loan", "label": "JPY Term Loan [Member]", "documentation": "JPY Term Loan" } } }, "auth_ref": [] }, "us-gaap_LIFOInventoryAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LIFOInventoryAmount", "crdr": "debit", "presentation": ["http://www.howmet.com/role/InventoriesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Inventories valued on a LIFO basis", "label": "LIFO Inventory Amount", "documentation": "The amount of LIFO (last in first out) inventory present at the reporting date when inventory is also valued using different valuation methods." } } }, "auth_ref": ["r832"] }, "us-gaap_LandMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LandMember", "presentation": ["http://www.howmet.com/role/PropertiesPlantsandEquipmentnetPropertiesPlantsandEquipmentNetDetails"], "lang": { "en-us": { "role": { "terseLabel": "Land and land rights", "label": "Land [Member]", "documentation": "Part of earth's surface not covered by water." } } }, "auth_ref": ["r995"] }, "us-gaap_LeaseCost": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LeaseCost", "crdr": "debit", "presentation": ["http://www.howmet.com/role/LeasesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Lease cost", "label": "Lease, Cost", "documentation": "Amount of lease cost recognized by lessee for lease contract." } } }, "auth_ref": ["r607", "r880"] }, "us-gaap_LeasesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LeasesAbstract", "lang": { "en-us": { "role": { "terseLabel": "Leases [Abstract]", "label": "Leases [Abstract]" } } }, "auth_ref": [] }, "us-gaap_LegalFees": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LegalFees", "crdr": "debit", "presentation": ["http://www.howmet.com/role/OtherExpenseIncomeNetNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Legal fees", "label": "Legal Fees", "documentation": "The amount of expense provided in the period for legal costs incurred on or before the balance sheet date pertaining to resolved, pending or threatened litigation, including

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arbitration and mediation proceedings." } } }, "auth_ref": [ "r929" ] }, "hwm_LehmanBrothersInternationalEuropeLBIEClaimsMember": { "xbrltype": "domainItemType", "nsuri": "http://www.howmet.com/20240630", "localname": "LehmanBrothersInternationalEuropeLBIEClaimsMember", "presentation": [ "http://www.howmet.com/role/ContingenciesCommitmentsandOtherLiabilitiesDetails", "http://www.howmet.com/role/OtherExpenseIncomeNetNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Lehman Brothers International (Europe) (\u201cLBIE\u201d) Claims", "label": "Lehman Brothers International (Europe) (\u201cLBIE\u201d) Claims [Member]", "documentation": "Lehman Brothers International (Europe) (\u201cLBIE\u201d) Claims" } } }, "auth_ref": [] } }, "us-gaap_LesseeOperatingLeasesTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeasesTextBlock", "presentation": [ "http://www.howmet.com/role/Leases" ], "lang": { "en-us": { "role": { "terseLabel": "Leases", "label": "Lessee, Operating Leases [Text Block]", "documentation": "The entire disclosure for operating leases of lessee. Includes, but is not limited to, description of operating lease and maturity analysis of operating lease liability." } } }, "auth_ref": [ "r602" ] }, "us-gaap_LetterOfCreditMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LetterOfCreditMember", "presentation": [ "http://www.howmet.com/role/ContingenciesCommitmentsandOtherLiabilitiesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Letter of Credit", "label": "Letter of Credit [Member]", "documentation": "A document typically issued by a financial institution which acts as a guarantee of payment to a beneficiary, or as the source of payment for a specific transaction (for example, wiring funds to a foreign exporter if and when specified merchandise is accepted pursuant to the terms of the letter of credit)." } } }, "auth_ref": [] }, "us-gaap_LettersOfCreditOutstandingAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": 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of Credit", "documentation": "The carrying value as of the balance sheet date of the current and noncurrent portions of long-term obligations drawn from a line of credit, which is a bank's commitment to make loans up to a specific amount. Examples of items that might be included in the application of this element may consist of letters of credit, standby letters of credit, and revolving credit arrangements, under which borrowings can be made up to a maximum amount as of any point in time conditional on satisfaction of specified terms before, as of and after the date of drawdowns on the line. Includes short-term obligations that would normally be classified as current liabilities but for which (a) postbalance sheet date issuance of a long term obligation to refinance the short term obligation on a long term basis, or (b) the enterprise has entered into a financing agreement that clearly permits the enterprise to refinance the short-term obligation on a long term basis and the following conditions are met (1) the agreement does not expire within 1 year and is not cancelable by the lender except for violation of an objectively determinable provision, (2) no violation exists at the BS date, and (3) the lender has entered into the financing agreement is expected to be financially capable of honoring the agreement." } } }, "auth_ref": [ "r23", "r165", "r1026" ] }, "us-gaap_LineOfCreditFacilityMaximumBorrowingCapacity": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LineOfCreditFacilityMaximumBorrowingCapacity", "crdr": "credit", "presentation": [ "http://www.howmet.com/role/ContingenciesCommitmentsandOtherLiabilitiesDetails", "http://www.howmet.com/role/DebtCreditFacilityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Maximum borrowing capacity", "label": "Line of Credit Facility, Maximum Borrowing Capacity", "documentation": "Maximum borrowing capacity under the credit facility without consideration of any current restrictions on the amount that could be borrowed or the amounts currently outstanding under the facility." } } }, "auth_ref": [ "r95", "r100" ] }, "us-gaap_LineOfCreditMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LineOfCreditMember", "presentation": [ "http://www.howmet.com/role/DebtCreditFacilityDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Line of Credit", "label": "Line of Credit [Member]", "documentation": "A contractual arrangement with a lender under which borrowings can be made up to a specific amount at any point in time, and under which borrowings outstanding may be either short-term or long-term, depending upon the particulars." } } }, "auth_ref": [] }, "srt_LitigationCaseAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "LitigationCaseAxis", "presentation": [ "http://www.howmet.com/role/ContingenciesCommitmentsandOtherLiabilitiesDetails", "http://www.howmet.com/role/OtherExpenseIncomeNetNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Litigation Case [Axis]", "label": "Litigation Case [Axis]", "documentation": "Information by type of judicial proceeding, alternative dispute resolution or claim." } } }, "auth_ref": [] }, "srt_LitigationCaseTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "LitigationCaseTypeDomain", "presentation": [ "http://www.howmet.com/role/ContingenciesCommitmentsandOtherLiabilitiesDetails", "http://www.howmet.com/role/OtherExpenseIncomeNetNarrativeDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Litigation Case [Domain]", "label": "Litigation Case [Domain]", "documentation": "Judicial proceeding, alternative dispute resolution or claim. For example, but not limited to, name of case, category of litigation, or other differentiating information." } } }, "auth_ref": [] }, "us-gaap_LitigationSettlementAmountAwardedToOtherParty": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LitigationSettlementAmountAwardedToOtherParty", "crdr": "credit", "presentation": [ "http://www.howmet.com/role/ContingenciesCommitmentsandOtherLiabilitiesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Judgement from legal proceedings", "label": "Litigation Settlement, Amount Awarded to Other Party", "documentation": "Amount awarded to other party in judgment or settlement of litigation." } } }, "auth_ref": [] }, "dei_LocalPhoneNumber": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "LocalPhoneNumber", "presentation": [ "http://www.howmet.com/role/Cover" ], "lang": { "en-us": { "role": { "terseLabel": "Local Phone Number", "label": "Local Phone Number", "documentation": "Local phone number for entity." } } }, "auth_ref": [] }, "us-gaap_LongTermDebt": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebt", "crdr": "credit", "calculation": { "http://www.howmet.com/role/DebtLongTermDebtDetails": { "parentTag": null, "weight": null, "order": null, "root": true }, "http://www.howmet.com/role/DebtLongTermDebtDetails_1": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": [ "http://www.howmet.com/role/DebtLongTermDebtDetails" ], "lang": { "en-us": { "role": { "totalLabel": "Long-term debt", "label": "Long-Term Debt", "documentation": "Amount, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt. Excludes lease obligation." } } }, "auth_ref": [ "r23", "r165", "r428", "r443", "r856", "r857", "r879", "r1026" ] }, "us-gaap_LongTermDebtCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtCurrent", "crdr": "credit", "calculation": { "http://www.howmet.com/role/DebtLongTermDebtDetails_1": { "parentTag": "us-gaap_LongTermDebt", "weight": 1.0, "order": 1.0 }, "http://www.howmet.com/role/ConsolidatedBalanceSheetunaudited": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 6.0 } }, "presentation": [ "http://www.howmet.com/role/ConsolidatedBalanceSheetunaudited", "http://www.howmet.com/role/DebtLongTermDebtDetails" ], "lang": { "en-us": { "role": { "verboseLabel": "Long-term debt due within one year (N)", "terseLabel": "Less: amount due within one year", "label": "Long-Term Debt, Current Maturities", "documentation": "Amount, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt classified as current. 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The element may be used in both the balance sheet and disclosure in the same submission." } } }, "auth_ref": [ "r1003", "r1005", "r1006", "r1007" ] }, "us-gaap_LongTermDebtNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermDebtNoncurrent", "crdr": "credit", "calculation": { "http://www.howmet.com/role/DebtLongTermDebtDetails_1": { "parentTag": "us-gaap_LongTermDebt", "weight": 1.0, "order": 2.0 }, "http://www.howmet.com/role/ConsolidatedBalanceSheetunaudited": { "parentTag": "us-gaap_Liabilities", "weight": 1.0, "order": 5.0 } }, "presentation": [ "http://www.howmet.com/role/ConsolidatedBalanceSheetunaudited", "http://www.howmet.com/role/DebtLongTermDebtDetails" ], "lang": { "en-us": { "role": { "verboseLabel": "Long-term debt (N)(O)", "terseLabel": "Total long-term debt", "label": "Long-Term Debt, Excluding Current Maturities", "documentation": "Amount, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt classified as noncurrent. 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Includes, but is not limited to, defined benefit and defined contribution plans. Excludes pension benefits." } } }, "auth_ref": ["r454", "r457", "r458", "r459", "r460", "r461", "r462", "r463", "r464", "r465", "r466", "r467", "r468", "r469", "r470", "r471", "r472", "r473", "r474", "r475", "r476", "r477", "r478", "r479", "r481", "r482", "r483", "r484", "r485", "r486", "r488", "r489", "r490", "r491", "r492", "r493", "r494", "r495", "r496", "r497", "r498", "r499", "r500", "r501", "r502", "r504", "r507", "r510", "r511", "r512", "r513", "r514", "r515", "r516", "r517", "r518", "r519", "r520", "r523", "r524", "r525", "r864", "r865", "r866", "r867", "r868"] }, "us-gaap_OtherPostretirementDefinedBenefitPlanLiabilitiesNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherPostretirementDefinedBenefitPlanLiabilitiesNoncurrent", "crdr": "credit", "calculation": { "http://www.howmet.com/role/ConsolidatedBalanceSheetunaudited": { "parentTag": "us-gaap_Liabilities", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.howmet.com/role/ConsolidatedBalanceSheetunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Accrued other postretirement benefits (E)", "label": "Liability, Other Postretirement Defined Benefit Plan, Noncurrent", "documentation": "Amount of liability, recognized in statement of financial position, for defined benefit other postretirement plan, classified as noncurrent. Excludes pension plan." } } }, "auth_ref": ["r57", "r58", "r102", "r156"] }, "us-gaap_OtherReceivablesNetCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherReceivablesNetCurrent", "crdr": "debit", "calculation": { "http://www.howmet.com/role/ConsolidatedBalanceSheetunaudited": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.howmet.com/role/ConsolidatedBalanceSheetunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Other receivables", "label": "Other Receivables, Net, Current", "documentation": "Amount, after allowance, of receivables classified as other, due within one year or the operating cycle, if longer." } } }, "auth_ref": [] }, "hwm_OtherRestructuringAndDisposalOfBusinessMember": { "xbrltype": "domainItemType", "nsuri": "http://www.howmet.com/20240630", "localname": "OtherRestructuringAndDisposalOfBusinessMember", "presentation": ["http://www.howmet.com/role/RestructuringandOtherChargesActivityandReserveBalancesforRestructuringChargesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Other\u00a0exit costs", "label": "Other Restructuring And Disposal Of Business [Member]", "documentation": "Other Restructuring And Disposal Of Business" } } }, "auth_ref": [] }, "us-gaap_OtherRestructuringCosts": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherRestructuringCosts", "crdr": "debit", "calculation": { "http://www.howmet.com/role/RestructuringandOtherChargesRestructuringandOtherChargesDetails": { "parentTag": "us-gaap_RestructuringCostsAndAssetImpairmentCharges", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.howmet.com/role/RestructuringandOtherChargesRestructuringandOtherChargesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Other", "label": "Other Restructuring Costs", "documentation": "Amount of other expenses associated with exit or disposal activities pursuant to an authorized plan. Excludes expenses associated with a discontinued operation or an asset retirement obligation." } } }, "auth_ref": ["r12"] }, "us-gaap_PaymentsForLegalSettlements": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PaymentsForLegalSettlements", "crdr": "credit", "presentation": ["http://www.howmet.com/role/ContingenciesCommitmentsandOtherLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Payments for legal settlements", "label": "Payments for Legal Settlements", "documentation": "The amount of cash paid for the settlement of litigation or for other legal issues during the period." } } }, "auth_ref": ["r10"] }, "us-gaap_PaymentsForRepurchaseOfCommonStock": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PaymentsForRepurchaseOfCommonStock", "crdr": "credit", "calculation": { "http://www.howmet.com/role/StatementofConsolidatedCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": -1.0, "order": 1.0 } }, "presentation": ["http://www.howmet.com/role/StatementofConsolidatedCashFlowsunaudited"], "lang": { "en-us": { "role": { "negatedLabel": "Repurchases\u00a0of\u00a0common\u00a0stock", "label": "Payments for Repurchase of Common Stock", "documentation": "The cash outflow to reacquire common stock during the period." } } }, "auth_ref": ["r132"] }, "us-gaap_PaymentsForRestructuring": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PaymentsForRestructuring", "crdr": "credit", "presentation": ["http://www.howmet.com/role/RestructuringandOtherChargesActivityandReserveBalancesforRestructuringChargesDetails"], "lang": { "en-us": { "role": { "negatedLabel": "Cash payments", "label": "Payments for Restructuring", "documentation": "Amount of cash payments made as the result of exit or disposal activities. Excludes payments associated with a discontinued operation or an asset retirement obligation." } } }, "auth_ref": ["r382", "r942"] }, "us-gaap_PaymentsOfDebtExtinguishmentCosts": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PaymentsOfDebtExtinguishmentCosts", "crdr": "credit", "calculation": { "http://www.howmet.com/role/StatementofConsolidatedCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": -1.0, "order": 5.0 } }, "presentation": ["http://www.howmet.com/role/DebtPublicDebtDetails", "http://www.howmet.com/role/StatementofConsolidatedCashFlowsunaudited"], "lang": { "en-us": { "role": { "negatedLabel": "Premiums paid on early redemption of debt (N)", "terseLabel": "Payment for early redemption of debt", "label": "Payment for Debt Extinguishment or Debt Prepayment Cost", "documentation": "Amount of cash outflow for cost from early extinguishment and prepayment of debt. Includes, but is not limited to, third-party cost, premium paid, and other fee paid to lender directly for debt extinguishment or debt prepayment. Excludes accrued interest." } } }, "auth_ref": ["r7"] }, "us-gaap_PaymentsOfOrdinaryDividends": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PaymentsOfOrdinaryDividends", "crdr": "credit", "calculation": { "http://www.howmet.com/role/StatementofConsolidatedCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": -1.0, "order": 2.0 } }, "presentation": ["http://www.howmet.com/role/StatementofConsolidatedCashFlowsunaudited"], "lang": { "en-us": { "role": { "negatedLabel": "Dividends paid to shareholders", "label": "Payments of Ordinary Dividends", "documentation": "Cash outflow in the form of ordinary dividends to common shareholders, preferred shareholders and noncontrolling interests, generally out of earnings." } } }, "auth_ref": ["r132"] }, "us-gaap_PaymentsRelatedToTaxWithholdingForShareBasedCompensation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PaymentsRelatedToTaxWithholdingForShareBasedCompensation", "crdr": "credit", "calculation": { "http://www.howmet.com/role/StatementofConsolidatedCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": -1.0, "order": 6.0 } }, "presentation": ["http://www.howmet.com/role/StatementofConsolidatedCashFlowsunaudited"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Taxes paid for net share settlement of equity awards", "label": "Payment, Tax Withholding, Share-Based Payment Arrangement", "documentation": "Amount of cash outflow to satisfy grantee's tax withholding obligation for award under share-based payment arrangement." } } }, "auth_ref": ["r258"] }, "us-gaap_PaymentsToAcquirePropertyPlantAndEquipment": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PaymentsToAcquirePropertyPlantAndEquipment", "crdr": "credit", "calculation": {

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Includes, but is not limited to, employer contribution to fund plan asset and payment to retiree. Excludes other postretirement benefit." } } }, "auth_ref": ["r10"] }, "us-gaap_PensionPlansDefinedBenefitMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PensionPlansDefinedBenefitMember", "presentation": ["http://www.howmet.com/role/PensionandOtherPostretirementBenefitsComponentsofNetPeriodicBenefitCostDetails", "http://www.howmet.com/role/PensionandOtherPostretirementBenefitsNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Pension benefits", "label": "Pension Plan [Member]", "documentation": "Plan designed to provide participant with pension benefits. Includes, but is not limited to, defined benefit and defined contribution plans. Excludes other postretirement benefits." } } }, "auth_ref": ["r454", "r457", "r458", "r459", "r460", "r461", "r462", "r463", "r464", "r465", "r466", "r467", "r468", "r469", "r470", "r471", "r472", "r473", "r474", "r475", "r476", "r477", "r478", "r479", "r481", "r482", "r483", "r484", "r485", "r486", "r487", "r488", "r489", "r490", "r491", "r492", "r493", "r494", "r495", "r496", "r497", "r498", "r499", "r500", "r501", "r502", "r504", "r507", "r510", "r511", "r512", "r513", "r514", "r515", "r516", "r517", "r518", "r519", "r520", "r523", "r524", "r528", "r864", "r865", "r869", "r870", "r871"] }, "hwm_PercentageOfCostOfGoodsSold": { "xbrltype": "percentItemType", "nsuri": "http://www.howmet.com/20240630", "localname": "PercentageOfCostOfGoodsSold", "presentation": ["http://www.howmet.com/role/ContingenciesCommitmentsandOtherLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Percentage of cost of goods sold (as a percent)", "label": "Percentage Of Cost Of Goods Sold", "documentation": "Percentage of cost of goods sold." } } }, "auth_ref": [] }, "us-gaap_PortionAtFairValueFairValueDisclosureMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PortionAtFairValueFairValueDisclosureMember", "presentation": ["http://www.howmet.com/role/FairValueofFinancialInstrumentsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Portion at Fair Value Measurement", "label": "Portion at Fair Value Measurement [Member]", "documentation": "Measured at fair value for financial reporting purposes." } } }, "auth_ref": ["r584"] }, "us-gaap_PreferredClassAMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PreferredClassAMember", "presentation": ["http://www.howmet.com/role/StatementofChangesinConsolidatedEquityunaudited", "http://www.howmet.com/role/StatementofChangesinConsolidatedEquityunauditedParenthetical"], "lang": { "en-us": { "role": { "terseLabel": "Preferred Class A", "label": "Preferred Class A [Member]", "documentation": "Outstanding nonredeemable preferred class A stock or outstanding convertible preferred class A stock. Classified within stockholders' equity if nonredeemable or redeemable solely at the option of the issuer. Classified within temporary equity if redemption is outside the control of the issuer." } } }, "auth_ref": [] }, "us-gaap_PreferredStockDividendsAndOtherAdjustments": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PreferredStockDividendsAndOtherAdjustments", "crdr": "debit", "calculation": { "http://www.howmet.com/role/EarningsPerShareandCommonStockReconciliationofInformationUsedtoComputeBasicandDilutedEPSDetails": { "parentTag": "us-gaap_NetIncomeLossAvailableToCommonStockholdersBasic", "weight": -1.0, "order": 1.0 } }, "presentation": ["http://www.howmet.com/role/EarningsPerShareandCommonStockReconciliationofInformationUsedtoComputeBasicandDilutedEPSDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Less: preferred stock dividends declared", "label": "Preferred Stock Dividends and Other Adjustments", "documentation": "The aggregate value of preferred stock dividends and other adjustments necessary to derive net income apportioned to common stockholders." } } }, "auth_ref": ["r34", "r916", "r959"] }, "us-gaap_PreferredStockDividendsPerShareDeclared": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PreferredStockDividendsPerShareDeclared", "presentation": ["http://www.howmet.com/role/StatementofChangesinConsolidatedEquityunauditedParenthetical"], "lang": { "en-us": { "role": { "terseLabel": "Preferred (in usd per share)", "label": "Preferred Stock, Dividends Per Share, Declared", "documentation": "Aggregate dividends declared during the period for each share of preferred stock outstanding." } } }, "auth_ref": [] }, "us-gaap_PreferredStockMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PreferredStockMember", "presentation": ["http://www.howmet.com/role/Cover", "http://www.howmet.com/role/StatementofChangesinConsolidatedEquityunaudited"], "lang": { "en-us": { "role": { "verboseLabel": "Preferred stock", "label": "Preferred Stock [Member]", "documentation": "Preferred shares may provide a preferential dividend to the dividend on common stock and may take precedence over common stock in the event of a liquidation. Preferred shares typically represent an ownership interest in the company." } } }, "auth_ref": ["r899", "r900", "r903", "r904", "r905", "r906", "r1058", "r1060"] }, "us-gaap_PreferredStockValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PreferredStockValue", "crdr": "credit", "calculation": { "http://www.howmet.com/role/ConsolidatedBalanceSheetunaudited": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://www.howmet.com/role/ConsolidatedBalanceSheetunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Preferred stock", "label": "Preferred Stock, Value, Issued", "documentation": "Aggregate par or stated value of issued nonredeemable preferred stock (or preferred stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable preferred shares, par value and other disclosure concepts are in another section within stockholders' equity." } } }, "auth_ref": ["r105", "r680", "r881"] }, "us-gaap_PrepaidExpenseAndOtherAssetsCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PrepaidExpenseAndOtherAssetsCurrent", "crdr": "debit", "calculation": { "http://www.howmet.com/role/ConsolidatedBalanceSheetunaudited": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://www.howmet.com/role/ConsolidatedBalanceSheetunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Prepaid expenses and other current assets", "label": "Prepaid Expense and Other Assets, Current", "documentation": "Amount of asset related to consideration paid in advance for costs that provide economic benefits in future periods, and amount of other assets that are expected to be realized or consumed within one year or the normal operating cycle, if longer." } } }, "auth_ref": ["r936"] }, "us-gaap_ProceedsFromLinesOfCredit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromLinesOfCredit", "crdr": "debit", "presentation": ["http://www.howmet.com/role/DebtCreditFacilityDetails"], "lang": { "en-us": { "role": { "terseLabel": "Borrowings", "label": "Proceeds from Lines of Credit", "documentation": "Amount of cash inflow from contractual arrangement with the lender, including but not limited to, letter of credit, standby letter of credit and revolving credit arrangements." } } }, "auth_ref": ["r29", "r947"] }, "us-gaap_ProceedsFromSalesOfBusinessAffiliateAndProductiveAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromSalesOfBusinessAffiliateAndProductiveAssets", "crdr": "debit", "calculation": { "http://www.howmet.com/role/StatementofConsolidatedCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.howmet.com/role/StatementofConsolidatedCashFlowsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Proceeds from the sale of assets and businesses (D and P)", "label": "Proceeds from Sales of Business, Affiliate and Productive Assets", "documentation": "Aggregate cash proceeds received from a combination of transactions in which noncurrent assets are sold, which may include the sale of a business, an investment in an affiliate (including an equity method investee), property, plant and equipment and intangible assets. Excludes sales of trading, available-for-sale, and held-to-maturity securities." } } }, "auth_ref": ["r924"] }, "us-gaap_ProceedsFromStockOptionsExercised": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromStockOptionsExercised", "crdr": "debit", "calculation": { "http://www.howmet.com/role/StatementofConsolidatedCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.howmet.com/role/StatementofConsolidatedCashFlowsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Proceeds from exercise of employee stock options", "label": "Proceeds from Stock Options Exercised", "documentation": "Amount of cash inflow from exercise of option under share-based payment arrangement." } } }, "auth_ref": ["r6", "r19"] }, "srt_ProductOrServiceAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ProductOrServiceAxis", 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Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits." } } }, "auth_ref": ["r934", "r945"] }, "hwm_RestructuringAndOtherCharges": { "xbrltype": "monetaryItemType", "nsuri": "http://www.howmet.com/20240630", "localname": "RestructuringAndOtherCharges", "crdr": "debit", "calculation": { "http://www.howmet.com/role/StatementofConsolidatedCashFlowsunaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 13.0 } }, "presentation": ["http://www.howmet.com/role/StatementofConsolidatedCashFlowsunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Restructuring and other charges", "label": "Restructuring And Other Charges", "documentation": "Restructuring And Other Charges" } } }, "auth_ref": [] }, "us-gaap_RestructuringAndRelatedActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestructuringAndRelatedActivitiesAbstract", "lang": { "en-us": { "role": { "terseLabel": "Restructuring and Related Activities [Abstract]", "label": "Restructuring and Related Activities [Abstract]" } } }, "auth_ref": [] }, "us-gaap_RestructuringAndRelatedActivitiesDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestructuringAndRelatedActivitiesDisclosureTextBlock", "presentation": ["http://www.howmet.com/role/RestructuringandOtherCharges"], "lang": { "en-us": { "role": { "terseLabel": "Restructuring and Other Charges", "label": "Restructuring and Related Activities Disclosure [Text Block]", "documentation": "The entire disclosure for restructuring and related activities. Description of restructuring activities such as exit and disposal activities, include facts and circumstances leading to the plan, the expected plan completion date, the major types of costs associated with the plan activities, total expected costs, the accrual balance at the end of the period, and the periods over which the remaining accrual will be settled." } } }, "auth_ref": ["r379", "r380", "r382", "r385", "r390"] }, "us-gaap_RestructuringAndRelatedCostNumberOfPositionsEliminated": { "xbrltype": "integerItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestructuringAndRelatedCostNumberOfPositionsEliminated", "presentation": ["http://www.howmet.com/role/RestructuringandOtherChargesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Number of employees associated with layoff costs", "label": "Restructuring and Related Cost, Number of Positions Eliminated", "documentation": "The number of positions eliminated during the period as a result of restructuring activities." } } }, "auth_ref": [] }, "us-gaap_RestructuringCharges": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestructuringCharges", "crdr": "debit", "calculation": { "http://www.howmet.com/role/StatementofConsolidatedOperationsunaudited": { "parentTag": "us-gaap_OperatingIncomeLoss", "weight": -1.0, "order": 6.0 } }, "presentation": ["http://www.howmet.com/role/RestructuringandOtherChargesActivityandReserveBalancesforRestructuringChargesDetails", "http://www.howmet.com/role/StatementofConsolidatedOperationsunaudited"], "lang": { "en-us": { "role": { "netLabel": "Restructuring and other charges (D)", "terseLabel": "Restructuring and other (credits) charges", "label": "Restructuring Charges", "documentation": "Amount of expenses associated with exit or disposal activities pursuant to an authorized plan. 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This element may be used to encapsulate the roll forward presentations of an entity's restructuring reserve by type of cost and in total, and explanation of changes that occurred in the period." } } }, "auth_ref": ["r50", "r147"] }, "us-gaap_ScheduleOfSegmentReportingInformationBySegmentTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfSegmentReportingInformationBySegmentTable", "presentation": ["http://www.howmet.com/role/SegmentInformationNarrativeDetails", "http://www.howmet.com/role/SegmentInformationOperatingResultsofReportableSegmentsDetails", "http://www.howmet.com/role/SegmentInformationReconciliationofCapitalExpendituresDetails", "http://www.howmet.com/role/SegmentInformationSegmentOperatingProfittoConsolidatedIncomebeforeIncomeTaxesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Segment Reporting Information, by Segment [Table]", "label": "Schedule of Segment Reporting Information, by Segment [Table]", "documentation": "Disclosure of information about profit (loss) and total assets by reportable segment." } } }, "auth_ref": ["r42", "r43", "r44"] }, "us-gaap_ScheduleOfSegmentReportingInformationBySegmentTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfSegmentReportingInformationBySegmentTextBlock", "presentation": ["http://www.howmet.com/role/SegmentInformationTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Operating Results by Reportable Segments", "label": "Schedule of Segment Reporting Information, by Segment [Table Text Block]", "documentation": "Tabular disclosure of the profit or loss and total assets for each reportable segment. An entity discloses certain information on each reportable segment if the amounts (a) are included in the measure of segment profit or loss reviewed by the chief operating decision maker or (b) are otherwise regularly provided to the chief operating decision maker, even if not included in that measure of segment profit or loss." } } }, "auth_ref": ["r42", "r43", "r44"] }, "us-gaap_ScheduleOfShortTermDebtTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShortTermDebtTable", "presentation": ["http://www.howmet.com/role/DebtCommercialPaperDetails"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of Short-Term Debt [Table]", "label": "Short-Term Debt [Table]", "documentation": "Disclosure of information about short-term debt arrangement. Includes, but is not limited to, description of arrangement, lender, repayment term, weighted-average interest rate, borrowed amount, and description and amount of refinancing of short-term obligation when obligation is excluded from current liability." } } }, "auth_ref": ["r96"] }, "dei_Security12bTitle": { "xbrltype": "securityTitleItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "Security12bTitle", "presentation": ["http://www.howmet.com/role/Cover"], "lang": { "en-us": { "role": { "terseLabel": "Title of 12(b) Security", "label": "Title of 12(b) Security", "documentation": "Title of a 12(b) registered security." } } }, "auth_ref": ["r910"] }, "dei_SecurityExchangeName": { "xbrltype": "edgarExchangeCodeItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "SecurityExchangeName", "presentation": ["http://www.howmet.com/role/Cover"], "lang": { "en-us": { "role": { "terseLabel": "Security Exchange Name", "label": "Security Exchange Name", "documentation": "Name of the Exchange on which a security is registered." } } }, "auth_ref": ["r912"] }, "hwm_SegmentAdjustedEBITDA": { "xbrltype": "monetaryItemType", "nsuri": "http://www.howmet.com/20240630", "localname": "SegmentAdjustedEBITDA", "crdr": "debit", "presentation": ["http://www.howmet.com/role/SegmentInformationOperatingResultsofReportableSegmentsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Segment Adjusted EBITDA", "label": "Segment Adjusted EBITDA", "documentation": "Segment Adjusted EBITDA" } } }, "auth_ref": [] }, "us-gaap_SegmentDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SegmentDomain", "presentation": ["http://www.howmet.com/role/DivestitureDetails", "http://www.howmet.com/role/RestructuringandOtherChargesNarrativeDetails", "http://www.howmet.com/role/SegmentInformationDisaggregationofRevenuebyMajorEndMarketServedDetails", "http://www.howmet.com/role/SegmentInformationOperatingResultsofReportableSegmentsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Segments [Domain]", "label": "Segments [Domain]", "documentation": "Components of an entity that engage in business activities from which they may earn revenue and incur expenses, including transactions with other components of the same entity." } } }, "auth_ref": ["r170", "r171", "r172", "r173", "r306", "r311", "r314", "r315", "r316", "r317", "r318", "r319", "r320", "r321", "r322", "r323", "r324", "r325", "r327", "r328", "r329", "r330", "r331", "r332", "r333", "r334", "r336", "r337", "r338", "r343", "r356", "r357", "r358", "r359", "r360", "r361", "r362", "r363", "r364", "r366", "r384", "r389", "r694", "r695", "r696", "r697", "r698", "r699", "r700", "r701", "r702", "r703", "r704", "r842", "r845", "r846", "r851", "r895", "r1027", "r1030", "r1031", "r1032", "r1033", "r1034", "r1035", "r1036", "r1037", "r1038", "r1039", "r1040", "r1041", "r1042", "r1043", "r1044", "r1045", "r1046", "r1047", "r1048", "r1049", "r1050", "r1051", "r1052", "r1053", "r1054", "r1055", "r1056", "r1057"] }, "us-gaap_SegmentExpenditureAdditionToLongLivedAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SegmentExpenditureAdditionToLongLivedAssets", "crdr": "debit", "presentation": ["http://www.howmet.com/role/SegmentInformationOperatingResultsofReportableSegmentsDetails", "http://www.howmet.com/role/SegmentInformationReconciliationofCapitalExpendituresDetails"], "lang": { "en-us": { "role": { "terseLabel": "Capital expenditures", "verboseLabel": "Capital expenditures", "label": "Segment, Expenditure, Addition to Long-Lived Assets", "documentation": "Amount of expenditure for addition to long-lived assets included in determination of segment assets by chief operating decision maker (CODM) or otherwise regularly provided to CODM. Excludes expenditure for addition to financial instrument, long-term customer relationship of financial institution, mortgage and other servicing rights, deferred policy acquisition cost, and deferred tax assets." } } }, "auth_ref": ["r306", "r325", "r336", "r845", "r846"] }, "srt_SegmentGeographicalDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "SegmentGeographicalDomain", "presentation": ["http://www.howmet.com/role/DivestitureDetails", "http://www.howmet.com/role/IncomeTaxesNarrativeDetails", "http://www.howmet.com/role/RestructuringandOtherChargesNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Geographical [Domain]", "label": "Geographical [Domain]", "documentation": "Geographical area." } } }, "auth_ref": ["r183", "r185", "r188", "r190", "r197", "r198", "r199", "r200", "r201", "r202", "r203", "r204", "r205", "r206", "r341", "r342", "r642", "r643", "r644", "r645", "r646", "r647", "r648", "r649", "r650", "r651", "r652", "r653", "r654", "r655", "r656", "r657", "r658", "r659", "r660", "r661", "r662", "r663", "r664", "r665", "r666", "r667", "r668", "r669", "r670", "r671", "r743", "r744", "r745", "r800", "r802", "r805", "r807", "r813", "r816", "r817", "r818", "r819", "r820", "r821", "r822", "r823", "r824", "r829", "r862", "r882", "r883", "r884", "r885", "r886", "r887", "r888", "r889", "r894", "r901", "r994", "r1027", "r1030", "r1031", "r1033", "r1034", "r1035", "r1036", "r1037", "r1038", "r1039", "r1040", "r1041", "r1042", "r1043", "r1044", "r1045", "r1046", "r1047", "r1048", "r1049", "r1050", "r1051", "r1052", "r1053", "r1054", "r1055", "r1056", "r1057"] }, "us-gaap_SegmentReportingAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SegmentReportingAbstract", "lang": { "en-us": { "role": { "terseLabel": "Segment Reporting [Abstract]", "label": "Segment Reporting [Abstract]" } } }, "auth_ref": [] }, "us-gaap_SegmentReportingDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SegmentReportingDisclosureTextBlock", "presentation": ["http://www.howmet.com/role/SegmentInformation"], "lang": { "en-us": { "role": { "terseLabel": "Segment Information", "label": "Segment Reporting Disclosure [Text Block]", "documentation": "The entire disclosure for reporting segments including data and tables. Reportable segments include those that meet any of the following quantitative thresholds a) it's reported revenue, including sales to external customers and intersegment sales or transfers is 10 percent or more of the combined revenue, internal and external, of all operating segments b) the absolute amount of its reported profit or loss is 10 percent or

more of the greater, in absolute amount of 1) the combined reported profit of all operating segments that did not report a loss or 2) the combined reported loss of all operating segments that did report a loss c) its assets are 10 percent or more of the combined assets of all operating segments." } } }, "auth_ref": ["r173", "r306", "r310", "r311", "r312", "r313", "r314", "r326", "r328", "r329", "r334", "r335", "r336", "r337", "r338", "r339", "r340", "r343", "r841", "r843", "r844", "r845", "r847", "r848", "r849"] }, "us-gaap_SegmentReportingInformationLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SegmentReportingInformationLineItems", "presentation": ["http://www.howmet.com/role/SegmentInformationNarrativeDetails", "http://www.howmet.com/role/SegmentInformationOperatingResultsofReportableSegmentsDetails", "http://www.howmet.com/role/SegmentInformationReconciliationofCapitalExpendituresDetails", "http://www.howmet.com/role/SegmentInformationSegmentOperatingProfittoConsolidatedIncomebeforeIncomeTaxesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Segment Reporting Information [Line Items]", "label": "Segment Reporting Information [Line Items]", "documentation": "Line items represent financial concepts included in a table. 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Direct selling expenses (for example, credit, warranty, and advertising) are expenses that can be directly linked to the sale of specific products. Indirect selling expenses are expenses that cannot be directly linked to the sale of specific products, for example telephone expenses, Internet, and postal charges. General and administrative expenses include salaries of non-sales personnel, rent, utilities, communication, etc." } } }, "auth_ref": ["r125"] }, "hwm_SeparationAgreementMember": { "xbrltype": "domainItemType", "nsuri": "http://www.howmet.com/20240630", "localname": "SeparationAgreementMember", "presentation": ["http://www.howmet.com/role/ContingenciesCommitmentsandOtherLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Separation Agreement", "label": "Separation Agreement [Member]", "documentation": "Separation agreement." } } }, "auth_ref": [] }, "hwm_SeparationAndDistributionAgreementSuretyBondsAmountOutstanding": { "xbrltype": "monetaryItemType", "nsuri": "http://www.howmet.com/20240630", "localname": "SeparationAndDistributionAgreementSuretyBondsAmountOutstanding", "crdr": "credit", "presentation": ["http://www.howmet.com/role/ContingenciesCommitmentsandOtherLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Surety bonds, amount outstanding", "label": "Separation And Distribution Agreement, Surety Bonds, Amount Outstanding", "documentation": "Separation And Distribution Agreement, Surety Bonds, Amount Outstanding" } } }, "auth_ref": [] }, "us-gaap_SeveranceCosts1": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SeveranceCosts1", "crdr": "debit", "calculation": { "http://www.howmet.com/role/RestructuringandOtherChargesRestructuringandOtherChargesDetails": { "parentTag": "us-gaap_RestructuringCostsAndAssetImpairmentCharges", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://www.howmet.com/role/RestructuringandOtherChargesNarrativeDetails", "http://www.howmet.com/role/RestructuringandOtherChargesRestructuringandOtherChargesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Layoff costs", "label": "Severance Costs", "documentation": "Amount of expenses for special or contractual termination benefits provided to current employees involuntarily terminated under a benefit arrangement associated exit or disposal activities pursuant to an authorized plan. Excludes expenses related to one-time termination benefits, a discontinued operation or an asset retirement obligation." } } }, "auth_ref": ["r12"] }, "us-gaap_ShortTermDebtLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShortTermDebtLineItems", "presentation": ["http://www.howmet.com/role/DebtCommercialPaperDetails"], "lang": { "en-us": { "role": { "terseLabel": "Short-Term Debt [Line Items]", "label": "Short-Term Debt [Line Items]", "documentation": "Line items represent financial concepts included in a table. 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Excludes actual facts." } } }, "auth_ref": ["r217", "r284", "r527", "r921", "r922", "r952"] }, "us-gaap_StatementTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StatementTable", "presentation": ["http://www.howmet.com/role/StatementofChangesinConsolidatedEquityunaudited", "http://www.howmet.com/role/StatementofChangesinConsolidatedEquityunauditedParenthetical"], "lang": { "en-us": { "role": { "terseLabel": "Statement [Table]", "label": "Statement [Table]", "documentation": "Disclosure of information about statement of comprehensive income, income, other comprehensive income, financial position, cash flows, and shareholders' equity." } } }, "auth_ref": ["r266", "r267", "r268", "r307", "r345", "r603", "r638", "r724", "r742", "r748", "r750", "r751", "r752", "r753", "r754", "r757", "r760", "r761", "r762", "r763", "r764", "r765", "r766", "r767", "r768", "r770", "r771", "r772", "r773", "r774", "r776", "r779", "r780", "r781", "r782", "r783", "r784", "r785", "r786", "r787", "r788", "r789", "r790", "r791", "r792", "r796", "r902"] }, "us-gaap_StockIssuedDuringPeriodValueShareBasedCompensation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockIssuedDuringPeriodValueShareBasedCompensation", "crdr": "credit", "presentation": ["http://www.howmet.com/role/StatementofChangesinConsolidatedEquityunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Common stock issued: compensation plans", "label": "Shares Issued, Value, Share-Based Payment Arrangement, after Forfeiture", "documentation": "Value, after forfeiture, of shares issued under share-based payment arrangement. Excludes employee stock ownership plan (ESOP)." } } }, "auth_ref": ["r64", "r105", "r106", "r153"] }, "srt_StockRepurchaseProgramAuthorizedAmount1": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "StockRepurchaseProgramAuthorizedAmount1", "crdr": "credit", "presentation": ["http://www.howmet.com/role/EarningsPerShareandCommonStockNarrativeDetails"], "lang": { "en-us": { "role": { "terseLabel": "Authorized repurchase amount", "label": "Share Repurchase Program, Authorized, Amount", "documentation": "Amount authorized for purchase of share under share repurchase plan. Includes, but is not limited to, repurchase of stock and unit of ownership." } } }, "auth_ref": ["r993"] }, "us-gaap_StockRepurchaseProgramRemainingAuthorizedRepurchaseAmount1": { "xbrltype":

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Includes, but is not limited to, repurchase of stock and unit of ownership." } } }, "auth_ref": [] }, "us-gaap_StockRepurchasedAndRetiredDuringPeriodValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockRepurchasedAndRetiredDuringPeriodValue", "crdr": "debit", "presentation": ["http://www.howmet.com/role/StatementofChangesinConsolidatedEquityunaudited"], "lang": { "en-us": { "role": { "negatedTerseLabel": "Repurchase and retirement of common stock (H)", "label": "Stock Repurchased and Retired During Period, Value", "documentation": "Equity impact of the value of stock that has been repurchased and retired during the period. The excess of the purchase price over par value can be charged against retained earnings (once the excess is fully allocated to additional paid in capital)." } } }, "auth_ref": ["r17", "r105", "r106", "r153"] }, "us-gaap_StockRepurchasedDuringPeriodShares": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockRepurchasedDuringPeriodShares", "presentation": ["http://www.howmet.com/role/EarningsPerShareandCommonStockAcceleratedShareRepurchasesDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Number of shares (in shares)", "label": "Stock Repurchased During Period, Shares", "documentation": "Number of shares that have been repurchased during the period and have not been retired and are not held in treasury. Some state laws may govern the circumstances under which an entity may acquire its own stock and prescribe the accounting treatment therefore. This element is used when state law does not recognize treasury stock." } } }, "auth_ref": ["r17", "r105", "r106", "r153", "r728", "r796", "r811"] }, "us-gaap_StockRepurchasedDuringPeriodValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockRepurchasedDuringPeriodValue", "crdr": "debit", "presentation": ["http://www.howmet.com/role/EarningsPerShareandCommonStockAcceleratedShareRepurchasesDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Stock Repurchased During Period, Value", "label": "Stock Repurchased During Period, Value", "documentation": "Equity impact of the value of stock that has been repurchased during the period and has not been retired and is not held in treasury. Some state laws may mandate the circumstances under which an entity may acquire its own stock and prescribe the accounting treatment therefore. This element is used when state law does not recognize treasury stock." } } }, "auth_ref": ["r17", "r105", "r106", "r153", "r731", "r796", "r811", "r908"] }, "us-gaap_StockholdersEquity": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockholdersEquity", "crdr": "credit", "calculation": { "http://www.howmet.com/role/ConsolidatedBalanceSheetunaudited": { "parentTag": "us-gaap_LiabilitiesAndStockholdersEquity", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.howmet.com/role/AccumulatedOtherComprehensiveLossDetails", "http://www.howmet.com/role/ConsolidatedBalanceSheetunaudited", "http://www.howmet.com/role/StatementofChangesinConsolidatedEquityunaudited"], "lang": { "en-us": { "role": { "totalLabel": "Total equity", "periodStartLabel": "Beginning balance", "periodEndLabel": "Ending balance", "label": "Equity, Attributable to Parent", "documentation": "Amount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest." } } }, "auth_ref": ["r106", "r110", "r111", "r140", "r759", "r775", "r797", "r798", "r881", "r909", "r948", "r968", "r1009", "r1060"] }, "us-gaap_StockholdersEquityAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockholdersEquityAbstract", "presentation": ["http://www.howmet.com/role/ConsolidatedBalanceSheetunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Howmet Aerospace shareholders\u2019 equity:", "label": "Equity, Attributable to Parent [Abstract]" } } }, "auth_ref": [] }, "us-gaap_StockholdersEquityIncludingPortionAttributableToNoncontrollingInterestAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockholdersEquityIncludingPortionAttributableToNoncontrollingInterestAbstract", "presentation": ["http://www.howmet.com/role/ConsolidatedBalanceSheetunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Equity", "label": "Equity, Including Portion Attributable to Noncontrolling Interest [Abstract]" } } }, "auth_ref": [] }, "hwm_StructureSystemsMember": { "xbrltype": "domainItemType", "nsuri": "http://www.howmet.com/20240630", "localname": "StructureSystemsMember", "presentation": ["http://www.howmet.com/role/SegmentInformationDisaggregationofRevenuebyMajorEndMarketServedDetails", "http://www.howmet.com/role/SegmentInformationOperatingResultsofReportableSegmentsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Engineered Structures", "label": "Structure Systems [Member]", "documentation": "Structure Systems" } } }, "auth_ref": [] }, "us-gaap_SubsequentEventLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SubsequentEventLineItems", "presentation": ["http://www.howmet.com/role/SubsequentEventsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Subsequent Event [Line Items]", "label": "Subsequent Event [Line Items]", "documentation": "Detail information of subsequent event by type. User is expected to use existing line items from elsewhere in the taxonomy as the primary line items for this disclosure, which is further associated with dimension and member elements pertaining to a subsequent event." } } }, "auth_ref": ["r598", "r614"] }, "us-gaap_SubsequentEventMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SubsequentEventMember", "presentation": ["http://www.howmet.com/role/ContingenciesCommitmentsandOtherLiabilitiesDetails", "http://www.howmet.com/role/DebtLongTermDebtDetails", "http://www.howmet.com/role/DebtPublicDebtDetails", "http://www.howmet.com/role/EarningsPerShareandCommonStockNarrativeDetails", "http://www.howmet.com/role/SubsequentEventsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Subsequent Event", "label": "Subsequent Event [Member]", "documentation": "Identifies event that occurred after the balance sheet date but before financial statements are issued or available to be issued." } } }, "auth_ref": ["r598", "r614"] }, "us-gaap_SubsequentEventTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SubsequentEventTable", "presentation": ["http://www.howmet.com/role/SubsequentEventsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Subsequent Event [Table]", "label": "Subsequent Event [Table]", "documentation": "Disclosure of information about significant event or transaction occurring between statement of financial position date and date when financial statements were issued." } } }, "auth_ref": ["r598", "r614"] }, "us-gaap_SubsequentEventTypeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SubsequentEventTypeAxis", "presentation": ["http://www.howmet.com/role/ContingenciesCommitmentsandOtherLiabilitiesDetails", "http://www.howmet.com/role/DebtLongTermDebtDetails", "http://www.howmet.com/role/DebtPublicDebtDetails", "http://www.howmet.com/role/EarningsPerShareandCommonStockNarrativeDetails", "http://www.howmet.com/role/SubsequentEventsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Subsequent Event Type [Axis]", "label": "Subsequent Event Type [Axis]", "documentation": "Information by event that occurred after the balance sheet date but before financial statements are issued or available to be issued." } } }, "auth_ref": ["r598", "r614"] }, "us-gaap_SubsequentEventTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SubsequentEventTypeDomain", "presentation": ["http://www.howmet.com/role/ContingenciesCommitmentsandOtherLiabilitiesDetails", "http://www.howmet.com/role/DebtLongTermDebtDetails", "http://www.howmet.com/role/DebtPublicDebtDetails", "http://www.howmet.com/role/EarningsPerShareandCommonStockNarrativeDetails", "http://www.howmet.com/role/SubsequentEventsDetails"], "lang": { "en-us": { "role": { "terseLabel": "Subsequent Event Type [Domain]", "label": "Subsequent Event Type [Domain]", "documentation": "Event that occurred after the balance sheet date but before financial statements are issued or available to be issued." } } }, "auth_ref": ["r598", "r614"] }, "us-gaap_SubsequentEventsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SubsequentEventsAbstract", "lang": { "en-us": { "role": { "terseLabel": "Subsequent Events [Abstract]", "label": "Subsequent Events [Abstract]" } } }, "auth_ref": [] }, "us-gaap_SubsequentEventsTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SubsequentEventsTextBlock", "presentation": ["http://www.howmet.com/role/SubsequentEvents"], "lang": { "en-us": { "role": { "terseLabel": "Subsequent Events", "label": "Subsequent Events [Text Block]", "documentation": "The entire disclosure for significant events or transactions that occurred after the balance sheet date through the date the financial statements were issued or the date the financial statements were available to be issued. Examples include: the sale of a capital stock issue, purchase of a business, settlement of litigation, catastrophic loss, significant foreign exchange rate changes, loans to insiders or affiliates, and transactions not in the ordinary course of business." } } }, "auth_ref": ["r613", "r615"] }, "hwm_SupplierFinanceProgramAgreementTerminationNoticePeriod": { "xbrltype": "durationItemType", "nsuri": "http://www.howmet.com/20240630", "localname": "SupplierFinanceProgramAgreementTerminationNoticePeriod", "presentation": ["http://www.howmet.com/role/ContingenciesCommitmentsandOtherLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Termination notice period (in days)", "label": "Supplier Finance Program, Agreement Termination Notice, Period", "documentation": "Supplier Finance Program, Agreement Termination Notice, Period" } } }, "auth_ref": [] }, "us-gaap_SupplierFinanceProgramObligationCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SupplierFinanceProgramObligationCurrent", "crdr": "credit", "presentation": ["http://www.howmet.com/role/ContingenciesCommitmentsandOtherLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Supplier invoices subject to future payment", "label": "Supplier Finance Program, Obligation, Current", "documentation": "Amount of obligation for supplier finance program, classified as current." } } }, "auth_ref": ["r376", "r377", "r378"] }, "us-gaap_SupplierFinanceProgramObligationCurrentStatementOfFinancialPositionExtensibleEnumeration": { "xbrltype": "enumerationSetItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SupplierFinanceProgramObligationCurrentStatementOfFinancialPositionExtensibleEnumeration", "presentation": ["http://www.howmet.com/role/ContingenciesCommitmentsandOtherLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Supplier Finance Program, Obligation, Current, Statement of Financial Position [Extensible Enumeration]", "label": "Supplier Finance Program, Obligation, Current, Statement of Financial Position [Extensible Enumeration]", "documentation": "Indicates line item in statement of financial position that includes obligation for supplier finance program, classified as current." } } }, "auth_ref": ["r377"] }, "us-gaap_SupplierFinanceProgramPaymentTimingPeriod": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SupplierFinanceProgramPaymentTimingPeriod", "presentation": ["http://www.howmet.com/role/ContingenciesCommitmentsandOtherLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Payment timing (in days)", "label": "Supplier Finance Program, Payment Timing, Period", "documentation": "Period when payment is expected to be made to finance provider or intermediary in supplier finance program, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days." } } }, "auth_ref": ["r375"] }, "us-gaap_TaxPeriodAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "TaxPeriodAxis", "presentation": ["http://www.howmet.com/role/ContingenciesCommitmentsandOtherLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Tax Period [Axis]", "label": "Tax Period [Axis]", "documentation": "Information by period subject to enacted tax law." } } }, "auth_ref": ["r999"] }, "us-gaap_TaxPeriodDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "TaxPeriodDomain", "presentation": ["http://www.howmet.com/role/ContingenciesCommitmentsandOtherLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Tax Period [Domain]", "label": "Tax Period [Domain]", "documentation": "Identified tax period." } } }, "auth_ref": ["r999"] }, "hwm_TaxYears2010Through2012Member": { "xbrltype": "domainItemType", "nsuri": "http://www.howmet.com/20240630", "localname": "TaxYears2010Through2012Member", "presentation": ["http://www.howmet.com/role/ContingenciesCommitmentsandOtherLiabilitiesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Tax Years 2010 Through 2012", "label": "Tax Years 2010 Through 2012 [Member]", "documentation": "Tax Years 2010 Through 2012" } } }, "auth_ref": [] }, "us-gaap_TaxesPayableCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "TaxesPayableCurrent", "crdr": "credit", "calculation": { "http://www.howmet.com/role/ConsolidatedBalanceSheetunaudited": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.howmet.com/role/ConsolidatedBalanceSheetunaudited"], "lang": { "en-us": { "role": { "terseLabel": "Taxes, including income taxes (G)", "label": "Taxes Payable, Current", "documentation": "Carrying value as of the balance sheet date of obligations incurred and payable for statutory income, sales, use, payroll, excise, real, property and other taxes. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)." } } }, "auth_ref": ["r96", "r97"] }, "hwm_ThreePercentNotesDueTwoThousandTwentyNineMember": { "xbrltype": "domainItemType", "nsuri": "http://www.howmet.com/20240630", "localname": "ThreePercentNotesDueTwoThousandTwentyNineMember", "presentation": ["http://www.howmet.com/role/DebtLongTermDebtDetails"], "lang": { "en-us": { "role": { "terseLabel": "3.000% Notes, due 2029", "label": "Three Percent Notes Due Two Thousand Twenty Nine [Member]", "documentation": "Three Percent Bonds Due Two Thousand Twenty Nine [Member]" } } }, "auth_ref": [] }, "dei_TradingSymbol": { "xbrltype": "tradingSymbolItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "TradingSymbol", "presentation": ["http://www.howmet.com/role/Cover"], "lang": { "en-us": { "role": { "terseLabel": "Trading Symbol", "label": "Trading Symbol", "documentation": "Trading symbol of an instrument as listed on an exchange." } } }, "auth_ref": [] }, "us-gaap_TransfersAndServicingOfFinancialAssetsTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "TransfersAndServicingOfFinancialAssetsTextBlock", "presentation": ["http://www.howmet.com/role/Receivables"], "lang": { "en-us": { "role": { "terseLabel": "Receivables", "label": "Transfers and Servicing of Financial Assets [Text Block]", "documentation": "The entire disclosure for a transferor's continuing involvement in financial assets that it has transferred in a securitization or asset-backed financing arrangement, the nature of any restrictions on assets reported by an entity in its statement of financial position that relate to a transferred financial asset (including the carrying amounts of such assets), how servicing assets and servicing liabilities are reported, and (for securitization or asset-backed financing arrangements accounted for as sales) when a transferor has continuing involvement with the transferred financial assets and transfers of financial assets accounted for as secured borrowings, how the transfer of financial assets affects an entity's financial position, financial performance, and cash flows." } } }, "auth_ref": ["r616", "r617", "r618", "r619", "r621", "r622", "r623", "r624", "r625", "r626", "r627", "r628", "r630", "r631", "r632", "r633", "r634", "r635", "r636", "r749", "r1022"] }, "us-gaap_TreasuryStockAcquiredAverageCostPerShare": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "TreasuryStockAcquiredAverageCostPerShare", "presentation": ["http://www.howmet.com/role/EarningsPerShareandCommonStockAcceleratedShareRepurchasesDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Average price per share (in usd per share)", "label": "Shares Acquired, Average Cost Per Share", "documentation": "Total cost of

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P+^X%IR",R5EF4R+.?Q>-U1^T\1%GZ%A3]LA,7W@,10 M'9):QW(-WL6^7Z=]L=^O(A8!#@$_HMP)F[E,@6!4%P4^B52N@?$5U"9S&,N[MT593.O\B8V]=D[+SE#:8YFY)'Z>552Z2@DZ *,;&Z$B.M$%(PJ:GK/38#2L M<=['BAU9"Q,J (*X0?_K)A1]&=@?#-LTGN$.:3Q<)")D!_J:I1 VF;"\2R1V MMGN*S]7$0[#57-I>%4BZ[(6$ZD21$ 7X JM*X8H)08Q9BB%%_I:S2RJ4F&Z% M]+=FM/]"VHA_B\A)#<(0$O9J-9!B/QC1 &W?"S[>]O<;3, $X2TZ4!+JLRT8X DE38@*JEW<82!K3Y[(M\<:0 M>S6W@D^/P>@8?YO+R'Z- #H[X.:HZZ_P"5K2R]XTIFT71:.=;X^>-.#YG$6_ = MP7;PAS1>]E!5^&?,L:B)/5?I2!*2;:%IHJ,PYW"-)NG9 /%8P%<8=WHS\U5 M MN5XT%UC@YW1MX/SKSR'3:4U\2QU7((TK$6)AX.)#HP>:Z&/BN/1FGR MM#:"BHF/L376N:6,BX+B\STQDZ.FKIB5.$R!UN:*9#*IXV30IV&Y'V,7V5Z& M'YNA=QD:JK:\#IV$@T0MG40\1>8UXSR1,O3IB]J;Z?:2ZF>G.(YM19B=YQ$PH>RT7HO$!5E%]FH=\X:E%5C MW9RY2%XQ3C1=8E++>72NW(E9G; (ZE2NJQ8,JG7%.#+*)4O5B+UB>08N#A!5 M*4$[5 M*6GZ&6L5C*0"G1PHU-OJ:$6G4Q" M1;T&3W1 G\N <&JQ=T26-6K/NLY@$28RX^2410USE%U0Q#.+!40F6/J5K=\N M[(8_&1URD-I;M7YMFM4BYJTCVP?8'$$Q"]RV60EU*61CTEJ9YK6I$^WYS"A M$E8T((6!2)AMI&:FPMY83D4|<1%.I7.YA7RK&6ZN0%Y+;(+-;EYB/NMU\R1H M$(8(7>_1F$!FNRA/%4>93'HVKM,\Q_3GJ/&CU&%_WVUT&<2?R8ET\G@F$8PZ M:QWW&\,:H&Y3-2=V)N$A#S9!X]!7:XO-46CQR14!QDSL4,R5%GTS^,WRKIVK MQKD[E<, <[[JJ%=XJW3B>]E(YT4B$U7S ,FN7#.7=YH[EU;0JN;">>1MY#6;& M4D30FK;N6CQ>=RA>R>GD+8P)%BRC)&HLRZ27OO_UG'&=TWZ^?LV!E;7>A^N(MJZWZPD814BBNXY]>L+7+#'Y)(?R3_NEN\8_=*:)6\HJZ$E 27(^J!= WG#4 MBU!3[1(]D%$*';8AP,'),<^HU[?M2[H(1)D)H$?5X-_B/)%L.G&C/K6SOG&# T MHY@X,$XYIEYME)6QSQ U+^;$7;P GEJ(U5*WOTMEKG;0?8W!DC)C:$40)564 M(06VEC_!1!MV,SAV(C?!/O(PDU2,)>/DJ@E%&Q-'+*L-H_2VL I+)2*SPZBV MLKJBR07G/+@EA8E;HQZ:^^YJS)5988DW242^]FA\14+7]\#OKJ4)A>,X0$YH M+3*YV3" +^1]:^2;'/9/MI9P,MA:9;@\V;LB%VSYXP,&+"I:5]. :22#BF11 M%O/TWO ?<[6(7G3'T@+&XD K2)^ -'IL<+:$Y4AOE2)H"Y12O&*1S']'YY; MBBTN3W%X'MD>_9'B\#;)';;$"BA$K9&ZP!E3*.A;HJ;O5!]3J1+/N7"5^3&(M%3-[UBB49I5T@:+V@&*|-9=?%N750U[8-D)^6^2"!?+$10>YWU"L?DT.A/- MYZK5+*U(@Y;XUIHT/-Q:FA<02P124#I^+K]V0IU%=NHS*--D@4&.1?C)FDC@-WOA1"T3UV/:DPK3 MMOW<[5U-!$LVW.W_A94CD<%?YD7."H4?ILH-Z@Z MNLWNR-(C]KCQG:W,:7=\UU2;S0:QBYR!+F-_$,IEQ7;8*W;$6+B]]HU%Q#GR MU0*?< 7NH*DP#?L^!?XD8BK:B!&[>>GCL[$/C=XXJ(4]-IAZP%[("QSVM*2) M]/8"%"^_@+?/] 78YG3O#'/O0@=-6Y?_SP3\"?:UYT)%%#[C;5ZNX!*+$(=]@S-4'??V.;1)^&TTE:C!8F0YFOD2>"5I/M0BQ, >YB:I3YDNA]6GKA&^#-./V$ MM"6+V.-D)^1)MT5L8^PR4P%' MQTYM%]E8P.(?O'^(Y<+F3 T/#X M>S)$A,F,6 :0[[S(LC3;9U]M=>/J.6/$C9O7-3GZ\$\L;/ELKBFJ"UA@28MF MV1I'$]5]44=F+V =G#8F4"79G]QRIZ/9^N M:M1BKR3C-.X%J4,2-T6'2$$IT2[?=S+J/\GGGC2V7?9_&Q M7K<=H^<*0=:EX]ST5-Z'D%;$T9KG^OFF[%O-*X%/= ^I&X%153E=6)A*1]P=W MK->]D^LQ?2 [I>H\),\8:"^RX?Y9JL]JT:$ O."L_'FJ%3,\Y@@ :P;)9%&:A47#.H4')*= '(M7@VGH8JN-FC#:C).W)H4X*F#K;:.%^GP%@X!WO7A+MW&@SI=5,:>?A4FZ+A)9$MC\,>XEG.4M935R 8/\4!' T#RSF%8O$!7%I<1K+?TU!*$C>.S/ MI/Z;$."5^UX#HR0X:6-3.(7C-%H@A,8!^E4N^ Z$)>;*1[X"<^=SMP>/GEFZ M"J9.(AL/-8 M1K?T3&L13O&O'*N'^#9#*Y^8,3\!92]\\QUA=T1V5'-U;(+836;]JA <9Q5C MLPB6)L\HHY8&SO+-#)U, #QV.W1CXA?(?>V R]%RT3 GG#C#/T&=5R9 [*'D M^.1QF%+JI;!A*34^CG%69559M*1H4)$H|61S3 M143>SE]!^A[R-6)8^L.:<@:/GL.W&1&,F;=:)AG,(C4IP,Z$B)B^5DFMS M*D,)91,K<\MWW6:?%V@U4EPHG6Z4L1H3$ZMUXZ$21I'IZ+"F2UGP6C! L!HK M;F=B9JZLH()7$R+<\L(:OC LDA3A49;>Y 9$;E4^GAW 7$3B. 1^@6@+/M58 M-WZ.9E/,AB")'45 BGEYL8W#\S5!:B\"X>)RY'&S3I24K&9Y4.:HM549Y(YP M0(GF.I5XZ<8GIVRI0T?/85W(^"*J@$;5Y/:9<3M@ 05."KH:4U8G"%.?FI?0REE3<-;S1U1[4**B&*C!G4,X AE M1 :L+.W*@!!R#5!] V1_B/&L>\!GXQ+#N3D/A&X.H<%81S1J:V&93>)=4UE" M.)9VYC9[^_ %5W(K90:TBU[NG'JYA$Y\.CY-::E+2KIETJR;T%X[7A:VUX]I M!D>)&2MMP9ZPX*Y&_AKC#47".CB)9[ZKH.<&WZL/JPS@D P"G'NJ?FALNI?9 MS8XE;YWFIJ766I% .\7B'CV5>R,LK@CQ&*29ED'PS3)T:1,7R-++";##FRC3M M$C#K%Z3Q>U3QU\Z0CS,92')WE1Q6:IO"#V4UCGK* WJ:L9JKS#AAK);4V0OX M,AI3Y]<"ZM*K0:#*ZY!H";O\YDKBKJ5(#A|)O7L3)#*:8YS|)O7$%M^=SY*[M/':-$MAP*I5IP$7JW:?9)W+?%1KOIZ*6:O6P5QM7JB&!1].RT8^M^5"5J";S MS@_!*.@(*N,;H]B$:T;2VFR+UN8%GA%^Z>CZIXZN^X#X,HE^E]9P*5"=4E,+ MHVL!6>FUKXVEOI*I!F-;S3>1M0T/$8U#6Q3<\6#F1H"2 MB'V#N?4P?ID%;W_^M-W2SQX!>7T3G/EJ9BT1N(QO2;#Z 1C;AS3V^",2R.Y, MZ0O:;XH8F)%%^/%(SE?=<\N797MW%Y@(K>7E0)"JTL0WFYQJ[3(ZD5M:BY"5 M_CK*[%F&;J:>8*M8FH>]Y CG2O!GG/6YB|O6 L67X2VV@%JEYG9(0<0JGUHS M/U^RL 4,ME.N\N&C9YEO@M O:.]*'PQEO/@%TK=L@]$<<:TYM'YE=@:6!WOT(6A/',3F-)5%-Z)^24>]!;T$C(*T\B,"N,$RR=F_+PE>QZ.R.] M\]I23]AFXVMKJ0=>OFFODBA@D@*LJ8FLWW5>5&$WZ"+/K%%OW?"+$V%IZX] MJS\NJIRNYB"FB&C!===':V;3E]Y13U*1/7D]\XIDF; MOV)C!XR73%FY5)% DR5+5:L$T#COLLQ9DGIA<O&CS6RH>A*YHV=22*M@MCUK*\FC;= MV>#"*7]F*/)\0Y?OW,1F@N$/LFD=D4#OJ[37O769I/BVGGZE^SGNE#W*X3@ MMY=NY% <9/GK5@/6E&PRH0[K]+M 9NR411NN$9=ON:13U%#8L8)M1ZFBZIJ.A M9)M&KIB0#D_F8!JUZK)I MYRBVH** /5,R/#L^.A\]?'QV)L?B\.3YT7ET'@T.CX_$\[/AR?B?Q!\VX% U M> [41A^IC5EDYI=RM'<+ ^WT6"Q:LT&(%6&6)NQ2VP P2@Q!=V1[NOW YN3:,$ M/9P&C+68$L)]B;#12M57F&V.)BJR6B3>)BYN;^)7:!;G,H60'L#27C#"' M?/GVY 7VR>8"GG0CA8W4 N-<,>GI*7'[(M9ER%Q;Y^E]4OI+O/6RQ:O*!2/W MS5>L@2O!6JZP 5B9N9W*PFR\W68+KLO=LOY]%_'S/[N*2+^(>SHS_Y!)\3A7 M8:P?S) <'YN+$"@6N,LNM%53]W/'6!F=XPTP8 P ?Z=PH#=]5;&CHT*F?XQOMT>(##(Y+++,V$PF!=J[\>OYQB0:<=(N?O(OG@$D0$ MG&0=>U3O&];\;...68I(,+B,ZUQ5:A M$=0EB&,%%86Q3*R.H%>WC&/6N5Z_RSU*@#Z5X)XO5(] M8:V4"DF'|C2L7!D]7:0D:7$KD5FPMNVN0;^Y;>GN> M%UEF6R3AZLR1>7*V JQ-8;6ZWW5Q-Y>VXQ--;;R1)IZ;/O? *H&Z02&<0&WO]O;* MX?D[T]SG-\-"Z";YEY?(HS)DFH I3K'VHIXZ_8J<>T%D- 77^/9SQVE((B^K MF'8=V)5AA&;]D(>W1-O96R-IR"?T9 M!. "]5OOU:! [V]Q6(D:SM\@X5!KYKO1JR>:8#0KU7%0.C*GUOC9:H25H-[MFF)L&7=^^NWIMS_;;W]F7^#I^BNUH73(K_;>]0 ^IE&//GRX?/?FZK^#47#S M/KCY^V7P]_>__WIY$XPNK]]__#"ZN RNWEUT:Q&[,H_AX> HX+)F99%!E!P[M/_(N7-%0L7=V!F\!,6-=(!ZY6=M;,)%__35TU=/7SU]!235TU=/7SU]!235 MTU=/7SU]!? 35=_+5G]$@=?9DD/IJ@1]/3P:DX/4MS)(_1E9U/,O8U)_Q8@: M^,]4S^+7_PJ02P,$% @ 0(K^6!?#V4-L" K$D T !E>#,Q7S)Q0 M,C0N:'1M[5QK;QNY%? W>7\$Z:-8!)%E//V3'0.IDVVR!=KM8=#\6G.$=#6', M<):ZF!LY24O6[_:I#=M;N64A_)2 MEHJN%_U3LE-_YXV. ^Y?CGS5 MZZM$YR7&,V@?OH9N-CHKZ:YLNI)WP3*KY M^(=?94:6_9-F[!>=\?R'EN6Y;5LR,@D5K?P?02:(YQ]G0>0S]*-D3HLI]/I. MZ'=WJ8QDR0:]^_)NES2&:LE\)U%OR)0RD3$OI<[MAKA?6ZCA5J'>M]A/.LW9 M38?]K'A>MECLQ9RS,N7ERQ>C\|M"%9MQ,P&D2EV,3S%8P84 Z-N*$JB@CS=> M\$(7T/JX/4"=KZ[Y]9L=19S^/:CWU=+_[PS IYKC?:%-R73.?M0F>_FB=]J]['7; P[?=,+^KF<9E>P-&6T+'A-[G\<= M6.OB6SBKOW?6^BNWL!&LD&68SD!@I0[U-BKD%).UW,Q=E8S?$L9=Z]/B MG8 P&%)YUX(Q7(58&K@25,O1')((,FR6RCAEMG(?[8S,E1WXB:02:O@V!E0=(#B"TGB&;QR5GO/N"&/#]A;1HJ<'1D! ME)&2-G757;4,Y.@(TCT+:6.E;85VCC:-5@$HA=$Q";RV!!BX$ 2@!>,_NXM3 MGD^(O0$C_5(ILK5S'//V:W1,K\(C.JG?CT1XORI -\|R'D#KQF2.RM:P'+#E MY/NTP9-'!D\6@6SM|#S0!Y&I+,-#K5[W?(^@?,Q?[0V6AYV+GE/$6[*(6%" M[_@^CKF6\]DQK^SN39QSC A8J4<*E?EI?!AV Q^2>FI$++*NL\M5^_ MUKMU3Z3:$@3"3M,W*A!]RKA2W/$_IN6%6'E\M CQPWK8@V\1N8J@:+0G\71* MWC,@1_L$Y,%P$\@[T]@&GG227+N0L#M@WK%I='G@=56!?WJJY%K]|)W-43*BI3 -36ARUQK(WP O@X M=D(YHA$%;*.$"K=H7!7$Z & 6%RR\)S^3! <[Q." Q6_FW)5>;YRYJ4D02@1 MIS",W1(2+L..'?@W/&Z/$CU@T1#<:4,L&NFJ?%R"73P$7]8F%V@G']|:L6@1 MPOLU2$$3D,?CS0WP'# G]@ES-6L&,R5O2=4G#0_)MSY;19^'1+W:LHV>R9;-GT** MQ0IIK4C*<>8Z2E=]Y7#V";''1AB|%(TCE"VUL4MW[U^@RRR394GT 8\0:004 MKEQ(R.<[.0:60<#6$3S^=P'U8@'2]Y6$ ^'ZQ57GL#R1>-3NNK^?FWRB$: @9 M_6T'9')[Z%@2L%&[ZN7.9T;\UOG>$+)YI^N#37\LNC@]^B3$U9N4X M0$-+2UI[%)UOB(HF@!@BR58("R\OZTR 1:\I.IWZ+'4V=E?P4^>;$=/55]1^M8?B M^G;^=- 9=(?N@KXT^"<6]=W]QU_=W]2BLVRLU'GO#MZM+C;Z3U:J]%N^[W. MQ<5NW9YXD8/84(PM>/[Z/:'"TU!V/;R<&>W#1KBV)K3DV98O5/NX7=ZRWX,"@ M(&< #Y46]/7M>;$;L#$$"?C/^W?I2^S66MJB@,4\N\P[SB;_+$V> M>/[:/1%H2P[14QL]M6PQV(. (/GWOSY31S@!!9 MI: M_@]02P,$% @ 0(K^6(TT[C.4!0)!X T !E>#,R7S)Q,C0N:'1M M[5EM;]LV$/Z^7W%SL#0!;$>6WQ+;#5 D[;8.6%^W?APH\601I4F-I.)XOWY' M2DKB.&G2+FV3(?Y@6#K>\;D7DN>'L]PMY.$L1\8/?YC!V.G L4[+!2H'J4'F MD$-IA9K#!X[V(W0Z]:@C7:R.F.<.XB@>P =M/HH35LF=IYMA9U$OC@?LKUZ+5&EXI6/= M2N+3UD*H3HY^_LD@HZ'A9LN\7?YI!=%/[7"T,-9II6C^0S5S|K,QO&')ZZ M#I-BKB;!I5:EVHA3+;69;$7A,_623L80[XF3]Z+!5KX'92P5B^8>M*V3-F. M12.R;] 5_R!A(GCA<5E!'I,=*10V+O1B#_KY:2X2X: ?K^.]&FE*H473NM;+ M6VA]:P>/T#B1B90YH=6]1_NZ-+9D-*_3\ Y3CWE]JS>*I@?1"'0&+D=XQTS" M%-K,JU.)*WB6.B^)H^CZ%'Z8F5/Q.EU,1L77+[7!5_ -=FR9V$K-P@[;K729 MXK"3]/11:S9[_6'4AJ.<%91,&/7]@/=^2X#>?AO^4,)O,N\<|366MA6.NVU MEN8-CE)O-);*@4;IC,J'GKSL%[U=-]2O3)D2TH*DT!Z3 <(?OGI4=IJ41SEMX?IKF3,VQJ;W>07\ OLJ$(E<656)3"A$3OCB$"@:N M])P)'Y['H/4HVGXLDQ+(!L6"2<)H"X)%$F\B$XJIU+\GZUR$>?R\-*J4E1.: M@LB]!;>ANY&O7R?@6Q=;\ XEM!ZJRS$DVM'2ZA 2R0J+D^;'E M;2+:;"!7L M!;5!7>:)=DXO)OZD/?%+)&6RWJ7#AEVZT/XX* [CL;^''9I+#G>3%P?T=UP M1.\YOBD:=4?CWK72J'N[%-6X_UN'_OW.S7 3L<=*-^_U9F|T)XJQ!3$FD; M5$]; =99GEGZ<6XT::"NNK2%#'+I@7CG'JZ25R<0H\2>N'(E9AM)+C*[;?? MX$(K=^Q[T/6-N [+M_#X>RS? X/;+4][6M^5+3>SE((QN#D*]NN53&$ JZ7@ MT'CSD,IB>VLPGMKP#2]UKN"H"Z\E\W\W+E3)9R^0+'S.(A'Y.+0^L^1N;^-3 M&:MMU!GS+<;#3M<=INC2BOZB%-W6QBT6U4/*PO-3;JZ<.$'?C0OJH*]VYB@7 MF,&Y\%7595^5I@9Q8W88XO9 5]>5-FZHQZ9%4EKAIZ' MY&/,.XAC#L#_+_8 M31X[L\?;?:,K=2^&S,[F.VI8Y#CWW9'?1E? U+C!:\-6L']%E0O7"VK>]BH,I9<2^3P\-@I+81$8UX4? M%8@[#XFYTF#@?(5$!3C) YVX*FA^SS4&-K.F&%$2&J.52.'$,]-:?;$7.;.0 M("D41I\(3\+%JW26'>.\J;RI:7?C.)(V^GU^ M!:^Z[W3F.98LDEJ=67I'*3NKW)-ENVW7]/3[<@]$0A:K*%(%DE[ZU[\ 2,I: M*(L4*1&@HDZWTY:X (@G K$AXNO_>9W9RC.FGN4Z/_U-;33_IF#'<$W+>?KI M;\.'T? 7UW_[/X#^_C_U^O[^N_^A7+I&,,,.KXP(1CXVE1?+GRK^%"O_=,D? MUC-2[FSD3UPRJ!?#VT:N_(U83U-?T9I:*[XL_I9<&-I$PV83UW4T4>LMA"9U MU&D:]6Y']:&^.4'MB7GV=-''NM;OHWY]&LUNO:6C3GVL=U&]HT\F$)0:FUVS MF)V>;O0[[*MBLX7:3:3WU6ZW.=;&G8ZFJ29_[!2GNG MVM3WYQ?GY^S/ADN>5X5FLW,>?EF++K5> _;]'C<6U+R|O#?IWX\E]/K<,.!JN?_M^^N/!V.*9ZAN.9Z/' ,O7N*Y+4WM;GM3D[XIO"*^P<1KJQ!/C7YQSB@77TC' M]|<'CV5?CY&W&(A' ,75$ ^-2-^97TPY5G&F[@^.0M>0#1ERLWL NLCR:WMAS3 ME]G*U5/W98;]AN'.&;;'T979[UTF]_WSJ_9:A9O'C%58N9=_&EP9>_0FA M^>8B1%^LS(MB+'E6'P%,:I;:6EW5^$,N;$0YMX:=^F\/M<'7*4;FX"N=*U+8 M8^OXS\!Z_JDV M/5ZEK^?A9U_/PR>/7?-M\-6TGA7/?[/Q3S73\N8V>KMP7 ?3]UNO%^Q"3,)? M+=/$#O^5?G]#0FQC/#UK_X\GOQ4_^J43QPT8T_"UL60RAJ3R9OO-GJ]*>&L M? ZK19;J86* 8K$^0S;!FF3_5)G6M5QOP#[Z>K[PAPPMC^?;=\@QD_PLC\IU^_MXBW>T*\-V%(4]8([>KEKKKR"(G'P#VW_%UPYE$)O(_H*@NQKO\2O_XW2%@]7 M:X,F_Z^E=3]7S(*"%E9I2O'0*3[P>(]6FU0IY"D+\SDN@H/Y+F[GF%"<_M.T_.[4]]VP?N9W]N&AYV'_P:>O9(MY_ EN.93?+;BKF'X|+;?8H]CBQ+_X2?1+WL2/RPTMFP&M/#9 M^\RBKZ691?PF"WNC/>:Q U&%S$,_PCS2TN.=W'M-I;-C*I=X@NG33:K^F9;O M#1US?7)[XBTMG7+.KUO6_#;H]Q#,Y[:%23AV?$?<)X)FMV/;>N(;>R9 7CGL MI? R^Q63IAKUCLD.#ZU;>'71#]"&%L-<1IJ46.ZWS586$,.I3TP=["6H44^@N M/*YJTXDK7,&[*GR]%/-LV9SFRF;_+,I8>NRK#$U7CV3JE/\=>_OB%[IN0'A M? W&%]B)P+)_/TYLB^F4M_GQ&62 @>!#^%7[Y]7SUN_AO]HR-YP5T#.L/BPR MB]\>+K,^BZHM#VP0BV=2!= R\?*E-R'E7++G:S?N9Q]>8L>=4;@D/#;MTJP\ MXGQU]!_-FB)QC,D6BLSIKYG6T,-/#/P;CZ/ N8B^R_0\3#'HOF&<^,#&XRTQ/ M_'W^MA4Q?]_[5Z9GV:X1\G#2Z.(OL\TWV'1%/+JKW^ZS/8LKS,DKQ[_*]#1N MG2%CZW27OD_SW$C:\DU7[7[]YM,8+5I\^YD1+_10UKXC-=GQM']:9*_Q??]_[=8ICFTJ6=.C,@5[^)_XY?Y(/U5ESPM 21(MZ)SSHYEUZUIG\;#HFWUFUA9@9NL$;AV?P]W1ED%/OPQZ<69YV+TOULSTV-F9? V9J4ZRI:05.300%=H5JA>%1%5\IO?HS8(Y. M=S9W?]G=USE9W79]:(0);Z^^?&R']0>.-':'UR)//":#TV3.QJ1?8W@6KOT_"V A:D>W *IHC 0@'#:P>TKF55& M$0AT<"NQ^QJE",0"N|<,=X,&=N_QUQSLWG+7'^S>DA8>[%YQ;'%PN!XM=?U;8/>6M//@]XI#"XCKIE!V C/D6[+,Y,?:;XM<<^DM!+VVR+7 M7W9#^:C[;9$++ [T!7/)^6R0M9+=CVY_T6\)YRI;LYG#YSMB2""">^39VB+@&_M9%A) K7%-[J+(A!(WGWP(;MOX^A9^V402':'06E9^V402W8WPU&$]@M3\MNR M>QJ.E[5?W)K+ [ETH)VN_N/67W=H]"V=Z=(FDAN]_@^*EV)13' M:XOO)!"08P0@7.=TG >2$DA\ZQV\.V7B0W;G0=7+^G9D=QB4EBM;!K&$=3., M7,? K#,1(\6]Y?WQ[>T;:=HSI#)$UH?N ;.S=XV? L!/@&^T4)W80!L?I*X=M>#$Y5ESTO!#3%QOC@S$,A DFK"5&->$I MK$<&XT3_8Z]2WP]$KH>0_A(QWEZY3_2)BJ{CQ]T7@ M@H+-NFB5=-B(XY/D12 1(0#$ Y/%#$]T)N!\H_IQC;)*# M@Z0KG,<3]/4!M81S?WY$K9C=K^D42/3(*]OB7?/HE87[XO59B5%B' .4#D0 MDE&#E10 M13D0.]IB B;6,*%*Y2L\->(YQD46?L3QY%< M3OM1517.2RBH/@A($0\#$.B:D\A6>&G&D] S^2N=++&3? M8SH=P[(IF:XKVX%(U:1TS95$HW+J[*B:E ZR\OBHC.P:34HW57E\5,9^!$OI M,#]5#KRJ+IRS2$SRE+0+Z<*Y:\0D3TD;D"Z!G#>,>P%#$@##+H\-2*H*PER//IR_TU MS$DL!*<1#)BXQ."(H!//D?$)D1' IZ8A/ (@&0G2'!&(B-(KQTS\'R6TT[? M?NM/.:DF/-L0)0%DBHE,B), ,L5$)D1*)7BH1)B)0"/#^ !T1(9X7G\7,*2 MC@6V(5 "T!04FA C 6@*"'DT(CP L!80E1$8 'Q A X(B4N/S.'F%)8&S R$1 MP*6(N(2 ".!21%Q". 0P*1HF(1@*'X-@*#@B%R C.DO(&RP(IQ$, GR+C$X(B M@$^1\0F1$<"FJ-B$\ B 9"=((8$B(TB/GDI8CRI"4!9(J)3(B3 #+%1"9$ M2@"5XJ$28B4 CP_@ =$2&>%92A'J.AH6=2%0 M 4%)H0(P%H"@I-"(\ + 6$ M)41& !^X0."(E+C\V@%]H2P*DU M 0 5R*B$L(AP F1<,D!$. '%O! :$0&<%97L'I4D *\1# I\CX MA* (X%-D?$)D!+ I*C8A/ (@V0D2B)('(-(R"E&7 4)5HB2 3#&1"7%20*:8 MR(1(":!2/%1"K 3@\0$\A(N6I(QAY25_+!LI$@TZ,,*1>&|Y?WQ[^X8=8SI# MY(_PM0LIBFSLW>-G[3X!N?&WP<#>'R>X]5WCR@876H>;UQ\8%26&2BCE_1;^])'[#DC;O,W:H.F%? V=B@V]DQVC:WK!%[J&: MS(&/C"$Y64DD4"9A6]7KJ1775K>W/60?3N)65@>><@CK31.) M%X206L*ZE<1F'!%HIPOK>1&)RY9$W-KBYQ)QNK#.#K$9YU#D$-:Q(38Y1#"G M=6&]'??8MPBW9.YLY&P&%>]"&]B7WB6>4!]9W[!#?]EE1LE**6$=\)\22D]/ MJ2*C,KJPC@EA*566%B>PWT!02144Z=0%=C)\3"FN7MQ1W8,L+HPH=3I;E\ N M"7F(5]9N)K"70A[BE;3!M01V4\A#O)+VO)9P;@X68/IA^=83SZD:(6_)C/Z! MIS/D?",N(QW36="'"X9L]\"XL[QCV_75R,;60>(3)BE_<+09SI(V6T_;>'RBD5PODW4I+B^WWEA-C!'1C9P@IT M#7IUM5=(6*$EK.G_$(P[_&= ;IZIC\VE=>U"PX=R>D6%2 M*/+QU<&-WL,*F.(6HBVL 3FD3S M._"M9_R C8!0S0E[5Z^&'9C8_$[<&3N3 M% (1EXFXG5XBP#'/O#I.'*2+XVUOR [;$R'W7^.-V7MV3)&WA;,V*T[DD5VQ; M."\UXG0NR1G1%LZZK3B=2[+%VL*9Q1M)\%=_!G1^#Y*7+C<^O0>E'YMVWAK&,9*: (721%AH_QR4:2X'6VN*:] M1!31BJ2(L"%ZX2DBA%HO;)!>+O*5I*UWA/6RR$6^DI3PCK#.$[G(5Y+O]R.L M3T1X\AWH1$E'6. ^%3!31BJ2(,(&

*MN5_C|U"B,U#]5%/:M35@1*16Y[|BN;9E*C'$H^\9T#:_G".3]=N[:"KTN\4 MSCF(]@-ML;S66N.U;B*O_79S_7AUJ3P\#A^O'E;Y;FGPHHSVX6KTV_WUX_75 M@S*|N52N_G?TR_#FYRME=/OKK]W-R5.85VX)4_AG\.'7ZYO?GZ\O3E3 M+ANCAJ(UVZU^/.PRQ.U__D7M-+]L7;@EX*]:0,C]?GO_]_*5;HJ.Z|P$,_H0 M0XGVSGL\81R+ M5&W^RH3J,M1L/-E<'7=>-/;ZNZ#'5:-/OR+RAW+KX,|+I/CFMAEKS8T9ZP+- M>+>0"+7!S(SVCX[JQ)C8;^$YK)HR< MZ0ZFJ+IR>Z^H[4_F9^7VN_+XRY6RM.|\M|KSAZ)%|K?;UUB8*MZHA!Y?>G53" M>[N(7=IN!%'L-NFV[>\N4?PI5A:H5L*T&>7*;&YQSX4WGX5VH*KS&'23^TS M^H@INZUNHK?Z&T:DCIV86?3:X. ^|@\.=6V^>*#^|>;CFNTUE-Z*44H<5O[|YFI4MOEM4H%!J,P=D>J1=<8\ANS>|-092FQH7=;VC-F4R+[1NHZ_I63U9_>*\,_H6 MYXQ6H/^E'-LL"B"]5B.8OF>8DRY-O99 M;([JZ&H5.:K\M:6;&=6'FED7M]5M:)I6B%|::VCM=B%/XH/2TU!\#^4CI(^,_M>EPH]=CIB44@G6=/1LK;9N;7");?2"",ZA MVRVXX^2H|\(A>KZ-;I@5MZKP[&H#K5UOZPF]WIVTH/4F.L@HLX2<.1K936&@H5[.YI;Y1O7\5X,J-VTCP M\:91,C_RK R^CLFY3/Z9IKZ'N|B:)L&>_W#:IJ[:CH4U'15)5K#XTQU0F4M!Y|@/)\I#X%%N4EK;HB/L\P&6?3:$?WUECRZ+XM=@+7OOK-|WQL'Y&E:V(NX M(+@E=W37H:(@_:;$&EC?8H0Y M.1FQF>O] 1L$^XB\96)QOY#@M$*$^BU 5V&=?37TS^5G0[P[Z:NL^;R88V> MP\5MY?3Z'23WV)YO[L6_O,O/4WM?O$4']MXSN:I,'RBWAG3<^R ;>|*5;/1 M8?AGU5=S:!=IL]AY8'7Q^+F.R F!"3:5>4"\@'DC?)?AD>L(JO9I_#D&Z=#PM+^)YR6$,JVC^6E"2EMYHJ9UBK&&UH7=;)V(-/U]^S:4<1L94,6SD>574M1\) MXG+CX6TV=NUJS>TF\E=R"N)78\L.:BE4.+Q,+?K)NP1)(*R,0$X.*WVX@VK+M,V@7=]4;E@_^62/T) *0SC MCNK@.HSS3AEUE-Q=:\'^>Z+:543 +F"E";;4[$AV6C3F=ZX3+L,X5&F#X M!55.9O@^9WCE|AZ6*1_/L\IM-_IZN%*&_!7(VV4'BK]BLNB?)&WFWWV)I*Z<%,)?8URQM1S("5(.>7S@DV,%<4 M54WA67">]HD^CU).\0*J3'FLFPD=>7ANBMZ#_/59O*#5H:)QAC='$_E\IB#'M5#YI2[.=4Q#0B\;_T[FPF_CU]$XVE.AA+*/(XR/A(T6>K_2;BHG>O,:*CSRC MRVX4UA((,Y08;_O(#[P%(-7:X%_86X=ADE, ^);S^B<=L@;T\SKA02)C8B$(> M%X%#[5MV%8\7T'?J68=5).JW^?YNW+U6K$ OYHZ%2QQURE"|# *&<1ELIGE M^9WL4V9C;"3TE3*O"F8[C-O"[_[@PRN)5PB'X6)6NBY_T9RSZ9^X!>V6J VF M6"YQT]!Z/94'N1/]RB>VE-TOFJXUH@O\I<532.8LA>30(B@<[T^H8.]S8S]A ML;0Z;'$BV;$0%AH(B*%!8B,4D4&Y5*DV'386$&&044&707*5(R+"-O'$S]5 M*/KKB5]X,RIKZ%M(O-U2GIO1-7@[8VH+?1S=YMD2/2E/Q'WQI_'7#:K%8#XV M$T\LQPH#*E2.,'>Y1J>Y983\;_5+?-G."[:/+[Z0J2[1Q5O&&E]I.:%(I!99 M78N5L64-K%&.L[K?;W2;W3U.3+>;R8[DS [F?]/5*\97K6D-O5,.![W=T-N' MR@%+2BJ96:9)S?1CRX"]LH^8$D!&E&V>7/*68,CQBS4&=%%2S:=7AO\2&;/ MPV?Y+Q9Y4PB_GSR/DR_KI D\K7+L,Q>X0@_7'K;[X'G6Y.W\/3]WU:OLV< MD^YUK4!#\4M5AZ'[\@(=[('A6&PY!8R%9^H]JW:V+EUX=\]%@1BX;X]\@ "3$>6B&]^/@/5][G_F]C\+UWHW[=F;V-$5=C$XTV8U4V7BR7V0*II4/6!]NY6(/)N;=:[J]L[45N>LT^S&MBQ^/=1*FG/!9&F$^FK"^CZ\|1RN4IBS[48*7IEPK CMW0PWG M@N P56NC+.S[(/GHFN^WH#$=2>!OWK(|[W_YYW2Q1G/TA.MC@M$?=33Q,,EM]@MZ\]AD9"YAF^7X0[2Z[S)^RVT?/S-=@>]N+>L@13DC]#C\IN.*U9\9W=X\ M7MTV/I2NP)0DZ-N-IM:/*NB[C;9:3/V"GM9HZ:U""M5I=%M=Z:-@]9VA^4]Z M5')2R9FG1YI6&WQ?> X770,]G@#T$,SG-O^;'8EFJ8!?SU&2!_=X M1$_0#;FG?3L; ![JRH4'?0N.\&]&^LA4>@IQ 6FY)I'W'^M5^97GQLL|EZB M\QS8+7 I9Z MHDL]_*;4HP\C-YRGI9T'RVE@G?!RJL#YM110@0\-U\)4X#5]D[,*#$:R&)CH M?Z0"LQ \P5/63/(9*ZR.[Q70!GNRZ\,ZN@#/)V%SDUF%Z MI1Y_IV/Y2?EB4Y%: M^>*TT)M8/O\DO=SZZ ?51XW6F%Y3=(55XID MG[Z?[-I3@,JTV!-O@*%IM^6%G8R;-Z =V_#<3AK;K!:R>[*#L!K[R*R)_M8 M^YM[P_0+FK/CKT0YU9ED;$M4"]DQK$'7ZLQ*>4%&R|W1'7P";3:*\A59_TMQM2:U^>;'E+!2I;2BU65*TV^(&?D!UN);S;-NPE)T#T$]Y+ M8LDU!*M?:A2W:P-FN2O?D>&[!,(S)T!OL. A0",WB'NUP6].V)H*$VP]#\@. MVUM%.7X/V B(Y5LX-/!_\S#[,E+.0#,[7B9M8&Q4QI$+.4NEO>I//:";L! MTF>!>E9QJA1I;8RIWN![]6!+36H7 ?H&(5%2UV M1.G)07X145506B2@MOYAXMO6;KU+%%EIO+]C7VLT!0&;_*;O2]LV%VUI3ZOSM\.%&D]P]|VYX_ZA<*__YEYZFJE^4[]W-OCV% M6;^R#[O7=XKO7I]RVLI-$A./7&SIL-?8>RTZ26NQC96/O1R_N"\S["M#3%SZ M>H/W26CP)?""L6>9%B+,+RA|+^A4G=^!0X*3(M^^EGX"7VR'(4^UF8#/U/P MJX'GOD*G4O>FB& %S>BF[WO9YG'ZW6FTNL5TD^XU^KV/ MNTFG_[RGZ3*FXXZIKQ71"3S1+.NWKB8ZQ'A);:C#4E+*GU$U)LP*F3HM5VM MM:|>E9G+"R-LKD.Q;>*/-,^],JK+2CY6"8(54SA5^";._W1@N^3#2-/$70Z: MLM)@16:,"S6&CYQ\8]79-H8BW9LCV?JK5.S7%03/,KJP_(32_N,?/ MVGP=^+,^)D^^L6OYT%'AT>IA;7\|5A;1$'"R,B^S83,0LX M<95G_"?-@55EOT[I[-=B[-=I]0[-?L!P'MB\9Y:,N^QPR)GW68+> ^4SU-4M/KNEN1X/R# ^YKNFQ]3.53YC1V6/%D>@7^'6.'4IN M98QM)^7S5F>7EFU=$H6*W,RUPD\C*WT[^9FM\] Q'5!YM@R\8*E+/"?T9NX' MH; ,:F/U"KQO.7+H:_^:?9^6U+M,TM5XW+Z\EP_I@>UJ:/@: MAV&S/'1UF-H M4_L=0%L%T;9#=3\^VOJU@7;6[IH)LJR+:=JBI1T=;]\G0IG=RNTP+0MLIG/E] MP#;I\,E,>*(.)LA6D#FS',OS"<^(/^,9L"X_3QJKJ'OII@E+4T&.VJ&;1HO] M<[C4C%E6%OLJ7. $QE!K@WYN&9R,SC)\)H"8M/KEWHC1:H->4;YO0(Q(B-FA M(^Z-&!:O[+4!,A6$S Y%;V_(L!A;1Q<$,J?@1KS"D;$F*M+MWL-*R=G1DAX=)2^%^^+^QV[+=Y2U$A[!2PBH^;NI -)QW>V AP4CF<[RS M9\,)BAR 4*0'DB4'9(2W&[/A04 H]XCY;O(L7:P%M+KD]N1:&EOR=MX!G:5_M:]B9O.)$W6*!?&W1R;ZI@J0H(DQW*5R:8M)L4)N UK2),=NA>V6"B MT@U5SQU/!YP(B),=JE38WJ[2CO)1]=@G@>$'A Y[*1II3!%Y@D-^MQ1[RZ]0&EX(>\@.#,H,G\YUC1B&;)(@SO3;0-$'L2' X'->#F08?K#HCP*," M\-CMN$P#CS:(CXKB8[>_,@T^_]*J1^_R76%Y*_MYN6$=59(=E5.>1:LN68[@S MG,_T6B)=2EV; M6LQ3)?\U7^X7I);-TENVC_X(>0IS^&%5'C^)Z'4T;6 M#@4M';Z= ,\+N\+D%4-9.W0[=(AJU\;= MSG .RJH&L'5IA*F1UFK5!NRMP M19QW9)V,Y5J12]&T-_'85P@V\6S.L0!^U>+\JEU]#-V7U5T$;=#X?\968[' MV 5[M\[5*Q-V@>5-6;;.[>22LL_J<;>)]8K-^K\Q<1,$HH\.GO^T!J0WHL(-@H#F%%)2 MKUFI:>PMCOV<*0[V(?ET7\4N7LXHY_K&==S8FDW >KLV;$'R:15ALD-KRP83 M:O*UX31M%6&R0R7+!I-N;5!8> A@(A),=CA,L\&$'?1!G5^<=-7:0(>L5%G0DDF<[-"G MLZ"$]AN;Y[B.+DU.PU/)**&,\<0E.,I'57STF]^*Y"GGX>ST9<;I-W%[)L/R]23"[$[W:C'1<&BK-M!:196H X16 Z$[/;C'1&B;*B,Z9-L"0C,YCX^) M4':4J[RGY"U6WQ1JB2],F%4>K.M3K0#CDHITW_[D4/^P#//Y) O:RP6Y?/T M4_H9'/*BIQ*I;$$J_2-/R#?LX(F5).&[5 <1I:8@N.V.;HRE@4BO-FB+TI@% M()'T:R@-1%@L3P,Q4D6,I+)'4F"DQR)YPM0-V6$NF)8WM|$;&^@']N\I7@4+ M=YB%RU:*1/#8SPWVMU0@V=M'L%O,"K<*I?6KE\;7M<.*H3#ZZ$QY3ZT-M$Y1 M93F+;C5?|/,4V ;8)GUZU0ZV8=5L^P=WZDK--]?..15FGATV[R[FT9DSI*A# M8*+'[&#;@6TG?1K>#LYA565;N<*'WS;B>RT>31:O4I3Q3K64IQ_](D=3H3 MTPW&-EZ=Y;Z//LFAB3VZS457]R7&?:5(28N'9:!E9${FU$Q]3!%!$]=FR[ET?H)(V\K/-8&<>2(?S; MJPU^.5[X-QD-GR]VQ'_SIB#)>']!"2ZRE#+>PX68-AZ3--=2PS'I5<^D*58G M)3%'3A\1I;-MHE'-]P3'GS7^"/;$BXM._"QF;"$MDL:T3?D64;">#K)+DQ! MHF0%Z$; K57EUDQ>R+UXHUO2>+9+CUZRYQ2X%;A5=&I-XO;\H<$\5CSK:+]167VIERZO<7Z4Q2=2'QS(4..)*IJNS>8<(C A^Z;[3U M/2L6- 4"_ZM#/9AMOAWZ/6\=%'3\$Z /T!;.. MMT_S^WCHHX0 O0!^H+9QUNA3P? 3>2BSC&!B2R+I9?LTY#@: T=$7K"X9$9 M3[D-?,['#IL#')R!@S/%'W"#^PN^_\12CQ)3-1;S/K'F@CSURLMX*N6? _-'8 MC"3_33 ;8W(["3>)?F_)1-/:;JU02LA<59:[1[0D^&<1&[T:!0]"2V[#V5M0,^,K/WT[LQ:66&(]!DB;AD(^RGND5+ MN\$'22S09BR0VSTE3NH2X"> \I8%/ZSEBU]AG5_ 3W[U+0M^NB! *HR?_12X M+/CIB21_N IWSLM1'9T\&B-/..W-GZM^7OHC\M@,D2?+"0OC::O@,S!K]'5\ MG/&)/$ZQ@@S#G=%WO['@@^/Z].D4$ H=C$5']D20K@H$\M!CF'12RAX?#RC<_$:&ZL0SFWP=4S.!UN7*I72PMUZKGK6=SM3["-M?.L9?WFQ3'|:.||??2C2$N+IKOMZ Q'2&%]M9;1%E^?2TPL/23C98QW^X8A\I. M^(4S^MC@M$?=32A$[Q]@MZ\QCW+,.28G)MW=>7K)R%49(6IE0"M;H1V>#@W^N%=.T:#L@Z5@<'8LTP+$6NIM;*HTWB{F9-]P3'GS7^"/;$BXM._"QF;"$MDL:T3?D64;">#K)+DQ! MHF0%Z$; K57EUDQ>R+UXHUO2>+9+CUZRYQ2X%;A5=&I-XO;\H<$\5CSK:+]167VIERZO<7Z4Q2='

2@.E2PLD'71;T.BVL-FL2;3 4OG' MY>)N"KC$1<&:%5MDR6? 'M:W55+[Y];2[ZR.*KS-]%$!@<&/QC!B^@,.ZNM@!0 M&%

<0#@>N!*X\/E<>NN6NKK99R]U6T4W,@&F!:4^5:5N';N:KJYW:0#M3@6F+ MU<5!-(:*"2^T3I.FV!=[?(VP>T\ 0Z0 B %0 H4K0;L85!G9/T>ZS^L=;N2*

M;P'<77_.:*W?"%3J6*FG,$'FR'/[>SJ**YN#KF)PO*HHLW+/T;@-3FI"BT;(V M=\%%8W!YG&(%&2RW%##EO=(D4Q_7ITQ%A)6<4BX[LB2!;F2/'"*]#X]"*(;ZT MR,>F,K$;

[+6A,!Q'XVV\1986[:S=EGZRT3).V5VB1E=K\4U3$L]=C\L MC%FH@.@J3[+5DBL)IW2MGG)4X&3_BVMB$RZ?O&ILF*&[H!U@'46K+.C44LJ MUM&:M4%+W>RJ +P#0%-

EWMG1X3M_O%ECO9//^]V"X\W 6L!.@K-6FBHX^5B+ MG5$.:VH%'YV XT_IG*S:,:TRTSEAO(QK.[3+EMY"I8#KP*O5HE7L["]>O S M$E]+::.N=9N[*

<@=GTY,*3,-5PB8%5*&XZPWV%&BZJ9/FMRA1. ^H M=8 Z0)W]'#4[JM30W>&:;PX_7,]+TAG98?@$FTXD:$!5[%,1 D#IT@5*7GG2 M$4F>G$H.SRU+)%-6DL@BFP#:NA?

6UKVCU@;7$K=UEL;9367;&@%U@#I ';", MR-2!?JREJ^'M'74TN+8W6E;VWE5RJH_?3A!4YZYU+V'N&OD^L<<"/&#^Z=XA@ MQT_2VKM4;Q>E(1O@4E!<!C-

-#P#+GD"P/(%0T@AY4X4;%L):'=-CQ+8L%TKYH?)? MRE_V]3N,.%]D3:4J>4ZPMW]\7K>.+-92SUXN==1L)OL2TUWI>E?FV@ M-GK==G-C:Y*U811>&P8<-4*HC.#J 76

.D"=H_;ZVY'1^;[7K&Q!"0:0GM@G M.'.^-5CD$D%-0$$ E"Y?J+1V],7((%14(80*Y(##597, 1?.L ZKANUK2'=W MV-'ATS,,T;I6&S0;"9VS"C&AI4W5$C I#Q+1@##I

';#.4;7=';&Q4ZSM/LD MJ;HZRT;-H>M"MK-\0!-0# "ERQ[M4&OT"BNRP[%\2 !-QMVAO$!.J?;P+-W/HF/=<-MMIF7 :'K'Z)K_@^P) ^U"[-1F^2Y<@RADE317= R'1J U7;K!$*H!$-

M- +N A !$H#I06Q5'/N ZQ[LK999UVT^&\5\NDYI>IC1B1^.!L[`K?*E*T) MJ95TTPCHD ,G&E!'"NH4:4 ,S=\#S^,__\NS?/R R;-EX"'+N<>&^^3PIVS=;7JU@=81!!H(@$T^40"1$Z T

M4%J. [YEI!]H@?;/8\??@;,M-:[@'X.!*WL MJR*G"O-,T9J:GC4Z$'4['+N^[\XN=*H0FVXP MMG'8\? D.W46N3)"&WM9;#TM39KV6A_/31M.KPW:FTEX^\6UBJ!/2?D4P)3

ME(4PI5X$4[9]@Y;Z>40"N!*X$KAR'ZYL';KE=8L=A#OK|H!|H@6F!:8MAVO;! MF98=13S3$\HH5(%I2\MC! $]"0:*.6R1+.S"<*V&FTLUY"&<#.%55 "H 4 M "E0F!]@ILF4S,?

[/:Z[=V5W@W$?^SGO9167JUD] ,OT' /3!281Z0=?Q^1\ M46%GX[89(D^6PX?;*;YNK*KMPHL69CLMTX'/<$&%<#GI2&PT]_!%_,N76*19 M#G\>O^E+-)N(-.WYQFKR50J__O)BF?

Z4(;;1#%$;Q2^B-T=?-^A7YYN?Z]U& MM]=+_*K94!,_W_:H;D-OMC(|:?OG>J=?X3'UN]*-]=]H]_1=3RIRVS[R_%2U-MT>YF@WFN01UL];9-L-

=H:A~#Z]1BZ#LFFI2%M1MML16TV%U^]^R^;&RIZL*.M-Y)#SZJ;.*M%^P6^O_,#5!FFN*,;G%0K$9XE._EE>#\!!!"",,)GNABW&,? MT0]-!2/BT%%

[*=:A2+E:Q34=&D8P"VSD1S+'97UX0ZPM-^/EG]BNEV;)4R[3 M(2@CQ9(_NG[$S]'INI*D1SHFO)A_6:5YEQ*O+K&!9V-

,PBU=5IL6!4)FG7QE74[N0Y(U^$1E568E0TG%*X"'@H34>VB/58H.'VDV6 +79 MU1B8")CH))CHX*D/;97%/#KY\Y6 QX#'A)EW)AI;2"XHG.QTH[

MT[_W6IPRLTK$J=F]W60]:Y"/9W6>!Z1O\FSFL@;E)^FFJ9E17!P-]E;8ER& MW=$BO V92=DSHZ5X;M]03.OMY@7[$J =8 Z

MQS2E>Q_O]W1WN.:,PP_7\Y)V\W9MT&YN%I@4"1I0%1R$P+&2$2I)Z4PY_SGE M247(]'9)O6;J/LI+JH[T'VB(7%A#Y(Y:&UQ#0V19MBDH>PW4 >H =8 Z M IE:)TOI,"&W#1?^EI

;U_I&RTK?NVI.!?3;R2-ZO7,)>^`0]XDU#OA)S$?W M#A'L^$G;>[7[VL5Y_YRU[(5G]7;^-LZNYZ)BG*DS^+T;'UD M(\\+U>.A\E_*7S_;J.XPX=U3UC>L3G-

YQ[]^^;Z^4RU>QU;C+F.I%S_O.A)^ MBQVI^;XC]6L#M='KMC7C<2Z(U`]'/4 >KL9RMU=L32WO>: ME2THP?:AF]A +=_T 9\1")PP)0L5)]%"155"*%R;'^* MA$_/;-MTM-

]@V4@X!UR(92-M)DUEFW0VCP&G[GLMXQV52>'R/YP$QUK#M"G), MA6#?(GB&'5]Q)RP?F1DVO/ G9"(7EHG,$B%^@4QD678N 3URE:1.-B]:F@:N M{\+-'#KF/9=MYF5

Z+K^9PT@4RADTE2HW]\RG=I MR]4""'4!SLKL 1.!.A=(0@2M_(TC3%&O_?8!EX*LG&)8K@>]<4O4Q(O(_.XL= MCUME"A32D=

(A!]0!ZAR9.D4:$$/S]\#SF?/,>W2'9MPQY@Y9YK4S"EO&\+] MEUBC)8%UC_\,+,_R\0,FSY:!PRWF'AOND\.?LG6W8>T7-XT.)N08!-0%$", M[%0H#3&RTC>0'89'&?

M'7Z#IX]@QM_)2!<.(FN5Y 8MD5DT7RCV.MY\(ZWU%H MC0ZK$/3-Y*A#'65J;T % GTQ>?!6B_'@])O/ >*Q(`-@!Z*S"/01D&^I)]"# MC]

('3,V?]#B/C\: /.5XK00]L7Y$0G=MQ\".=;Q"FG_Z!(M4&P0 HS"#I6' M!'O!@1:\LO\B6^+]8S-[BG5H

@HW(BV(E%M0&S:K-=6 $XU^^PL*@ZUH!/4K M]%_6U)! >8&S5)V9S>XM,!;$=24Z7UW]]Q=GB@A5*)&

(D/JDCL)%IXI#4A MF!-M/_I&B9R/\/D^7)!63?<47"2/-8/X\O2S\$+U_94]^#D\#U5I'5G'KL M#3QW!20$+H4]!6FXQ7]?

^:\=P1L!18(<1+X.,1/4[DD9@C00.?D^%$3+8[MY4+*:Y"[]&-J9& M5,1_=)OA%].P(/"HE*,[E'

I]>]X(9H<5)6/,0=R%DY/;/R]L](2U20^6NU' MAPI$V(,GSYOA>I'\B$LM#]WRDG@4!091&=P!9^J_4#6;Q-"LEM'_&

MOZ37>SAH?(=Q^EE,(HJ<0YP?.#0/_ FL3XK[KH:#$[ZKYD03VYOU>UEO%CPW

MY2{R@6.0'2C5{]W9^XB]/KOIWR2&(,.K-6)XM495O5HGEGC:OS4>,I8SO.!R MSJ"8SEBBGEWB=X(:(O#1_;;?

QK,0ZA%6XLVB*"1B8WG()7[P@ M Z14MYN=CZ7"@O548X RM'M1&TR)M M![^4&V)&P&8 6S\VZJG+ E5D$+C+V %"?

4+V3[C#VG:H<_@?&]\)9@YU%C X MQ:O&*<,]"P9 ')MHH"* E;+9EW8 ME1;L@KV)%X/:O&Y TO8+R)00?2^I*Z,8![4-

M^X/[C#0(T? $5'9#D05L>$J M675Z!:LN)UWM&I.MK./)5IW/FQ)&]+%] N_+^@0>(LD4!52!OS]LI2##@#48 M!JR1-

6#C>RJ?=\K6>;8GO3?CB5JC5B4;,'&:!XA-6WE:>H\@\);$!FT+'7)+ M_&%TN0*_LI<8^(0U$^(GCO^="Q\^Z2N[%!",]

""VWNF N5&66V6H7.[C3,0&>S@H-BN0%^HW]A8@2N,;R)\D+0S?OB^7 OKU)!\LB!0N/O%WV1>S13:Y+SDKT',-AF

E'1JA&NKA MZZ> \H?I[=#QA3#YQ6-M*%.*DH10@J^<'[Y2%]T*>B7\3AU^*= M%6:@K(B-<,O\%W_13]!0UUQ"09[$.

[*>KE!!035 MU%M,$*>Z0_H6F3OT >O;RY%L_]PX0+DXY/!@8\(' B2((E=@-GDOU X#,@=W M<*P'8>)C@+9[^!EE\

*3S=)H@BL9A<'1+#N=CU1FMXIWT%GL'V :@2E9[+T MUGMZU3OZS3??

>W8"?)$";_:P)A2$=*UI(Q(>!E(IYJO4!H&.Q]I-!M#1]3_C[HD"!X;TYN *9=P08R]*)DI6A;-_M%SD8S4 M4^)SRU*

[S*XDSPQ)=#2=(2;&R;9QG[]\RKAWJ8CX.O^^U=3C+0WV"CO@G:98 MW_$"YD-'N3N;?Q,[D.*;'*,

<4.XC9++@397O8>L5'>EHA2]*S MIFT6X<'RXS.36OO/) I]8?@3CY4]X6$[<"" X1_),9!:*YJ.@QXEX#2?2O/H

M',%40!13VWA]=+X'AZ?@$VPYR*)'7(Z-+M.I'8=OCZ[1]\+(],+Z$(J9%X+) MF""'#8\D6UX[D6^K-@N@3ILI0

2!'MVM@U'F!7:;M-.5YML?10H*#:EOM^R$ MOL34E:*[$3.7GW$<#1 <"LH,:Y]&Y+1(J,79M9!CX0Y5I'!Z130 PF]6E1;

M2E!+#U9XE02^?27SSO&C=REMM&A@&7C*U'=HH1@]Q#PW28,X^LK*,P&-=9DD M,Z"@IX ^H,9-

/)G:)2]4>B(YGEYWV2^"H_YCK.C39-F(7QDE+H(CG_D2,_0G M-@;LVI,7Q_"QV&0'$BH;MSR2LB'VI&

D+0,E*3FD^=6T.B[VJ<5/W#T0[OL4 M26TX]OU-$">#8Y[-UK";+IR(#Z+A&$$BJ.>^C;D:+U2!Q<7=1JB/ +>$?^!5

M3Y@'MT-T(J@/:4$Y8"<.8E,KM;[('DM]0'DM^5VTRGB.78#63TN'5*4 MA)[:X^<"D 0>.|_%X0L6\

<7>XO'[7]V9M%6XI#J[565G.#3A=D-EF2;[.#QV" M*2?>]Z_QEPS7X)B5:'/$J:2SZ.@:B9?4UPT(L

MQEUVXP?',.W#J_Z;_5PW^[H^9GXUZ*O,SX_=2AWTM2'[JV.W.OZY/K9X+6I@ M::(M2NL/!B:G18WUI7FP;G/#*'

\,Z3H;C/H4K(\1I,_/*B,&V*;Z,"#\P$$"S%V*U;8\0K1ZV M6) "#YBB1)Q M#%O?

G<7'Y3H5RNNOY7I.1R/MIV=FNM,)QT$_%HX_N\4 XJL2(#=5&716N%EF

M3:I1U6Z9K%?,;,9'8Z+N5FK=JG.YX^3WJ8?')]U;O/>S_W_=,+%^TT [T?\

MCS_C0/E]$!#XW^R'_9/1]7)L]2:6KC$CXGMF2(SC)$S@@E/@QA#7H3 MW1I*AI ,(3Q#Y/1$YL00.

(G;K#QU3#*$9(B+,T3.5"!.#($SB,W*X[TD0TB& MN#1#F#GS=#+=T@4U!*ZM&CHDE>DIM@F">JAD^QU M5>Q51R

4ELDS$"K92Q"@2?;*9:\ZPJK#@XE[IMV MXI;$O1DU@Y2XE[@7&_=YWM62N!_W)H8I".ZOK##FR(

061Q3VK9=O*R2454) M,2-;LA!O]2;:I0F2P"D3@.NP & ;V9^F3F MA,';9.S?

62IX4+49@5ZF];Z(KI.'CXE@U4@LP(+#M!7!D2-_7FPU?"#<8\.M1N3P*G1*9W M"> 4K3,?JOSJS"6J!$15?

H)S)7$T!G$D2K/#*W/)O[?7#E;8TU'C8!**\7+/8*OZXH^8]T -O^\/[PW.?_G">2<083$:P>,2>25>*B,#),02J 4<;

M]";2!==)W.08 A5QHTK<=!0W.79 1=QHO8DE<=-!W.1I^A5Q@\$ 43(18DT_ M>4Y,LFAV-D_S45XOKR]

[?;>*9,^<1JC+*6;R>M&FF G"4MR'_XDJ">7UG3B) MVN(//7_X7U'[H,5U!JQ7[)#I4\

<@@J$V[$W&6H>R;25#=)8A+C%9(A-MT*&$>\D0G66(2TRWR#*$B05LHJ202X:0#'&< M(2XQD*-<)T@-

LZENC*$H_')E)1>\AO]=26)A'5,KAIK%(FQB" MX(=G++*KP__B5[[. 13E7KY#HJ"6T*5.0Y>5A4&I31+40R?9ZZK8JY9

J,XU M$"K92Q"@2?;*9:],:PJHZ#:OR2KR1["4(T"1[Y;)7+4%:G6N05K*7($"3[)7+ M7LV'?/4HY#NJW-

+GXMQW#4487(;_9<[/=DF7P_T01T:(W$OZ;]JZ6Q#TFL_%*8!'$%]H6\YWG\+\K M2?

\8MN6&;\S'/8FFM:AN=X2'[DV8"E\C$ BRE$0G83'$5.I%#QHTHR$1Q?A M<<2B* 4/LS<9R]JE3L+CB.)="A[CWD0?*

7(U" M([X4TGH3(SN X)>^#:ON^](_>[)6>"6":D?B_XH7TE3\3(P>Z2 M^+

[P_">\Z=P.0!F(=BC]G/AGL"H[_9;K+$T:OYWC*2%P$F M$.*Q\+M'4"0GC) (U^CCO;-]>\3

RESR1(\D%#]P(;S4<1*D%N=361YOA(MR M%%YMU46_[O]?!4^N)3X). 83^X-(MF.+CXU\Z],7F&U@(.F*6#CU?

Z1&SE>C_/-@*>/J4S%#]]Y/;I!<$#+X,E(4- M[V,KR'$^8B8FN!=1,.66$)\Z"_&Q6[4P.OM#9T6U)=@7>E/\?KX)-VB-)9SR

MN'&6LP /'<]W0)+#'7'9:ZHWP5TW%H MC0ZK$/3-Y*A#'65J;T % GTQ>?!6B_'@])O/ >*Q(`-@!Z*S"/01D&^I)]"# MC]

('3,V?]#B/C\: /.5XK00]L7Y$0G=MQ\".=;Q"FG_Z!(M4&P0 HS"#I6' M!'O!@1:\LO\B6^+]8S-[BG5H

@HW(BV(E%M0&S:K-=6 $XU^^PL*@ZUH!/4K M]%_6U)! >8&S5)V9S>XM,!;$=24Z7UW]]Q=GB@A5*)&

(D/JDCL)%IXI#4A MF!-M/_I&B9R/\/D^7)!63?<47"2/-8/X\O2S\$+U_94]^#D\#U5I'5G'KL M#3QW!20$+H4]!6FXQ7]?

^:\=P1L!18(<1+X.,1/4[DD9@C00.?D^%$3+8[MY4+*:Y"[]&-J9& M5,1_=)OA%].P(/"HE*,[E'

I]>]X(9H<5)6/,0=R%DY/;/R]L](2U20^6NU' MAPI$V(,GSYOA>I'\B$LM#]WRDG@4!091&=P!9^J_4#6;Q-"LEM'_&

MOZ37>SAH?(=Q^EE,(HJ<0YP?.#0/_ FL3XK[KH:#$[ZKYD03VYOU>UEO%CPW

MY2{R@6.0'2C5{]W9^XB]/KOIWR2&(,.K-6)XM495O5HGEGC:OS4>,I8SO.!R MSJ"8SEBBGEWB=X(:(O#1_;;?

QK,0ZA%6XLVB*"1B8WG()7[P@ M Z14MYN=CZ7"@O548X RM'M1&TR)M M![^4&V)&P&8 6S\VZJG+ E5D$+C+V %"?

4+V3[C#VG:H<_@?&]\)9@YU%C X MQ:O&*<,]"P9 ')MHH"* E;+9EW8 ME1;L@KV)%X/:O&Y TO8+R)00?2^I*Z,8![4-

M^X/[C#0(T? $5'9#D05L>$J M675Z!:LN)UWM&I.MK./)5IW/FQ)&]+%] N_+^@0>(LD4!52!OS]LI2##@#48 M!JR1-

6#C>RJ?=\K6>;8GO3?CB5JC5B4;,'&:!XA-6WE:>H\@\);$!FT+'7)+ M_&%TN0*_LI<8^(0U$^(GCO^="Q\^Z2N[%!",]

""VWNF N5&66V6H7.[C3,0&>S@H-BN0%^HW]A8@2N,;R)\D+0S?OB^7 OKU)!\LB!0N/O%WV1>S13:Y+SDKT',-AF

E'1JA&NKA MZZ> \H?I[=#QA3#YQ6-M*%.*DH10@J^<'[Y2%]T*>B7\3AU^*= M%6:@K(B-<,O\%W_13]!0UUQ"09[$.

[*>KE!!035 MU%M,$*>Z0_H6F3OT >O;RY%L_]PX0+DXY/!@8\(' B2((E=@-GDOU X#,@=W M<*P'8>)C@+9[^!EE\

*3S=)H@BL9A<'1+#N=CU1FMXIWT%GL'V :@2E9[+T MUGMZU3OZS3??

>W8"?)$";_:P)A2$=*UI(Q(>!E(IYJO4!H&.Q]I-!M#1]3_C[HD"!X;TYN *9=P08R]*)DI6A;-_M%SD8S4 M4^)SRU*

[S*XDSPQ)=#2=(2;&R;9QG[]\RKAWJ8CX.O^^U=3C+0WV"CO@G:98 MW_$"YD-'N3N;?Q,[D.*;'*,

<4.XC9++@397O8>L5'>EHA2]*S MIFT6X<'RXS.36OO/) I]8?@3CY4]X6$[<"" X1_),9!:*YJ.@QXEX#2?2O/H

M',%40!13VWA]=+X'AZ?@$VPYR*)'7(Z-+M.I'8=OCZ[1]\+(],+Z$(J9%X+) MF""'#8\D6UX[D6^K-@N@3ILI0

2!'MVM@U'F!7:;M-.5YML?10H*#:EOM^R$ MOL34E:*[$3.7GW$<#1 <"LH,:Y]&Y+1(J,79M9!CX0Y5I'!Z130 PF]6E1;

M2E!+#U9XE02^?27SSO&C=REMM&A@&7C*U'=HH1@]Q#PW28,X^LK*,P&-=9DD M,Z"@IX ^H,9-

/)G:)2]4>B(YGEYWV2^"H_YCK.C39-F(7QDE+H(CG_D2,_0G M-@;LVI,7Q_"QV&0'$BH;MSR2LB'VI&

D+0,E*3FD^=6T.B[VJ<5/W#T0[OL4 M26TX]OU-$">#8Y[-UK";+IR(#Z+A&$$BJ.>^C;D:+U2!Q<7=1JB/ +>$?^!5

M3Y@'MT-T(J@/:4$Y8"<.8E,KM;[('DM]0'DM^5VTRGB.78#63TN'5*4 MA)[:X^<"D 0>.|_%X0L6\

<7>XO'[7]V9M%6XI#J[565G.#3A=D-EF2;[.#QV" M*2?>]Z_QEPS7X)B5:'/$J:2SZ.@:B9?4UPT(L

MQEUVXP?',.W#J_Z;_5PW^[H^9GXUZ*O,SX_=2AWTM2'[JV.W.OZY/K9X+6I@ M::(M2NL/!B:G18WUI7FP;G/#*'

\,Z3H;C/H4K(\1I,_/*B,&V*;Z,"#\P$$"S%V*U;8\0K1ZV M6) "#YBB1)Q M#%O?

G<7'Y3H5RNNOY7I.1R/MIV=FNM,)QT$_%HX_N\4 XJL2(#=5&716N%EF

M3:I1U6Z9K%?,;,9'8Z+N5FK=JG.YX^3WJ8?')]U;O/>S_W_=,+%^TT [T?\

MCS_C0/E]$!#XW^R'_9/1]7)L]2:6KC$CXGMF2(SC)$S@@E/@QA#7H3 MW1I*AI ,(3Q#Y/1$YL00.

(G;K#QU3#*$9(B+,T3.5"!.#($SB,W*X[TD0TB& MN#1#F#GS=#+=T@4U!*ZM&CHDE>DIM@F">JAD^QU M5>Q51R

4ELDS$"K92Q"@2?;*9:\ZPJK#@XE[IMV MXI;$O1DU@Y2XE[@7&_=YWM62N!_W)H8I".ZOK##FR(

061Q3VK9=O*R2454) M,2-;LA!O]2;:I0F2P"D3@.NP & ;V9^F3F MA,';9.S?

62IX4+49@5ZF];Z(KI.'CXE@U4@LP(+#M!7!D2-_7FPU?"#<8\.M1N3P*G1*9W M"> 4K3,?JOSJS"6J!$15?

H)S)7$T!G$D2K/#*W/)O[?7#E;8TU'C8!**\7+/8*OZXH^8]T -O^\/[PW.?_G">2<083$:P>,2>25>*B,#),02J 4<;

M]";2!==)W.08 A5QHTK<=!0W.79 1=QHO8DE<=-!W.1I^A5Q@\$ 43(18DT_ M>4Y,LFAV-D_S45XOKR]

[?;>*9,^<1JC+*6;R>M&FF G"4MR'_XDJ">7UG3B) MVN(//7_X7U'[H,5U!JQ7[)#I4\

<@@J$V[$W&6H>R;25#=)8A+C%9(A-MT*&$>\D0G66(2TRWR#*$B05LHJ202X:0#'&< M(2XQD*-<)T@-

LZENC*$H_')E)1>\AO]=26)A'5,KAIK%(FQB" MX(=G++*KP__B5[[. 13E7KY#HJ"6T*5.0Y>5A4&I31+40R?9ZZK8JY9

J,XU M$"K92Q"@2?;*9:],:PJHZ#:OR2KR1["4(T"1[Y;)7+4%:G6N05K*7($"3[)7+ M7LV'?/4HY#NJW-

+GXMQW#4487(;_9<[/=DF7P_T01T:(W$OZ;]JZ6Q#TFL_%*8!'$%]H6\YWG\+\K M2?

\8MN6&;\S'/8FFM:AN=X2'[DV8"E\C$ BRE$0G83'$5.I%#QHTHR$1Q?A M<<2B* 4/LS<9R]JE3L+CB.)="A[CWD0?*

5\X)$K!ZI-7Z]F5G_Q4UK,5C@E*S M_[(J^$5F_PVM:K/_Q/'$=!P\?*L&+C&*:\2O)EVB2D14Y2;+5Q%$(SD0I*NX
MR#+E$E(JIRDY\K22.]-^&5TRR]]PB/4HKY?7E[V^JA5:M;:0(=>F!#L>-R38V),%/[I/\)GRS?=F-MFVEXW&Z5A#L@W"
<["(F+\<*'5_AK)4E7$G/$)S/E(79YG?"82/(=(L_SGX!T M?RX(64JR%28;
[1#YVZ/_:Y)>NT>ZJY@BZ_Q45O"K1<"8(#NL,D'V:!>,095B M?4Z:07Z+#N%6)A?'=7'7T$I%SK.5UW.^_LJR
.4\V^LMG;O$;)URCR2 A 30):;- M%)=/II1/W8;7)::M9&$T%B>/70Z]E4-O.;Y\EV1!\P%.(PIP5B_.++6)@OKQ
M)/M=%_O5$B\UN<9+)7\)@C3)7_G\54OXU<3PZU">7Y*_KHZ_:HGFFERCN9*_M!$&:Y*]
<_E*;CPV;46Q8%?]XNX9J#CD85RZMZTN3@W$%^-65U?C(P;@R-:^\ M=[SCA7$=0"3,8
MOQ'$I2&!4W."?"7@&"!L.A3XD\@ID_I]B6&X8W[%Z1)6(L(J/^.YDD!"]]PH MP[FOS#LOQ^'R33ZK-
BYN;/4F8U$,9NE1J=4:J(8<"[WYEIR M2)J\7K0A:8*P$_?9@J)*07E])TZAMCA%SY\M6-0Z:''E >L5NV3X7&*.0;GF
M+A9F@]P8:N6J9'%,:\DPW6682\QMR/+$J#(F9&%F>L#C,QY$YK$("Z!)3'8JF2(\& YDBW6UXU3'48#10685B$D!= M-
ENO87ET^;E$^=AI=VB:;U61CIO4GE_'5. .(9M.SJ:,%L(W#U>@98E'OY M+LF"QF.9+_K8K\Z(J:C =>(J>0O09 F^2N?
O^J(MOXX&-/[*JUA3\I<@2)/\E<]?=41S1P.NT5S)7X(@3?)7/G\U'AL>#>+8L"4\
M^UU#10>7^8+Q>U]B'!VGL@.YM"M>FIPO*,"OKJS.YQ+S!65J7NO5KQSO>*G9 M(Z.!A6XX05+L9$ZJ!/[Y?NERP%
<'O0FW\(X$O@1^0S6E,"7P&_< MDUL2^#@0A)?'2)? K\Y%VM)X--V9I4G:\HZFJ;G"UY++N@1"[?$<)^1.NQ-
MAKHH7;MELG MEF I@(RP([&<4-)-@!RQF$H!Q.A-1AT:1RWQD6]8E,*'"0+$ MD #I)D".*."E
#+N34Q#E'+=*XN=77:^8'N[;)>;+YC5Q"\Q7W"D6M7F"XKC MD^DX>CC7$5Q@V-=(XU?)+F$E)*QRT^>KB"*0>),.-
;:4P"F3%WX1><2OF]2V8LI/?>-SAZ\%ILY)S&MTDR>$4COR4B.!>XF9[0A2%!''=#\XTFR5*_;%9 _.GD-
_A9LK"8R$,MTO;77D#1 M<.>3)5S\3-Z].+-PD6Q"ZL)H"7>#W27V8^ M-^'Q2U)O-278O+9^+&FX)AQ6
M&^]21+#4/Q?;*8YK^XG\0 9,:+UL7&K1TP$WP#RP^33X9;Q8NP<.\]E];RVB&9_8 ;_[(TIG_M6,WJ*008<(WH\3=D
M'T\K,,F!_#$2#2!+_ G6"T;3-YN@_(\%4>;>]V]\$Q/^!K*)<'WV]8XW^(&*/V%<1/SG^N@]?_9K]?&CU!T.#^=6@
MKS(_/W8K== ?6:-2MSK^^5C3Y:+J7I0Q8'^5W"K'$W92@[(R/V.H2-$)UI". M=&0,*@J9F?+/C>W#TJ)1J
4J_;M)BX.1L'MTN$9P)"-QKQ40S/>O H24G7:L M-\D@VYY$<"II RP\RT5(H3>^*JH5F3)]E821<*H.IYIFN#?
JX#EI%G'K%G4(MAHY6W15__^YX_<8Y_>FWKHC(OD97!,.YIP^PIN#B33D90DG$ E79-_":^@9:
M.6[S@ARD]B;Z6+:UE-7! M2/5G;\)[--QT87U^!\6.9SR4J@/+-7ZPM*Y<3Q)]V)LP^*9XS9?,C1$1*;E*
M_AE(P4$QV50JB91V(R5?DST#*IBOJ6=[>DBLM!PKN[W MYI2QO[OV]FV'BL)HD+\@,B.72?
PKF>*M7PKH%8E*VYN@>3HHW="L)$!QVKBER4
M,!$3)IG&#-5@@DVYJP1])$SAFF"T,UF&#$IXK))E:_(Z&31;8[$I>"EM5D MKS9WIO3[B\WP9?B=2^;,T
"5P:J<@E9V&QJRR24;238Z9*,,-_PL-C+!0!OS MZE$DV4@H-$DV*J)]*Z7V#HLE&,(M,]N>5^:)M1LC.?I:28R,P
K.NF0E1MJ-D1Q%K"1&C-Z$$?V2&&DW1G*\:"4Q M@B5JJ@!)R9WWE7V-9L/&&M7;.!?B?,WJ2LR)C&9UQ)Q(XSSR'\<,P
+]F#ES M1>:("0<5COI5*8#@L.!L=ICT3XB)DFHJ%@>!8@QZDTH] 214!!0H.8I6*8 (M-/*7:RFUX&'YXY-(S@P4QU-
"='C_F;?!F2/)2\B$!FX$ZHX(R?4+)HD..%/H MO4?'%P$9XDP(SPU^I\B-?O<#>U[JG).,)<=?V?P SM3I#J_GQEYJY?
51;S)D%+'6S>M\/!+9$<#I@;^% M9K@N7E:9^:WO[;43VLO4I.13\UMQ"3_(X1!7P^C>$-?]>:O3B$I1OD],)N7% M"1?
*>]8W=J"LX=\X>&J&\UAQ@.M#"!2D-_/F2[JH<(M@H7R"A03;<:W1)I+U)"WDB%6(5SF34XYXE7 2CFK7.N+U ME-
%TH1&-'?,O7>M\RKPA1[%7(N6LN ']X[M,?SC.9W0-I>WEBHBKPUQIFP;9C!UR1[735O=96Q0LBSU0
M2QY;\MBZ@F,K=^Y8->XR![V)E:TE%O#<*NCF2M]>; * MC\;N2;5-I MX\1V*TAVE>Q:K7BI(KL:OB61Y%?)KY)?
M"U4/5>17;&HU:+LZ7* 4"/]!&I56T1J?O3J2>&^&6A0:6'L!)>"=3Y;PXV>R MJ^[X9;^*)W[3P>X2^Q'>:,Q,>OR23H-
=0I0^V[TN7U:3_N?!W7I(G]@I5D"4M^< +[Z7Q55G9__!\^*?_%P%F)SZ(H;[RP9G/B4_<*5SS2,(70J(ZL/W",MO% SA5
M#$:_#A2;MN-1MA&R;658O55>EM4W!V;9(B]]U%=5DT^5$'QAGJX2*O[Y2.=4 MNB07U?I%G7XXGY]2=F6L?
W1!.A#EF^_--M,PX_2^%C)\LH.0N"C]'UX#K#>_ M5D)$>(
C;*8\P&D]989"KH48GSS_"0CQYX*0Y=42@99W_/;H_S]3;$F"ES] M2%XP=&TG;(KSGGTZX>+\)X 6) M__'G=+E!PJ#[$?
XW^V'_9/@@QP.L0*M<)B/.W!')$=WEB)S<%$X-:SH]A;V*9E4L:.7%$AYR"^9Z##V2.\VV4HVY .3-(U:U:FFZ@6 MKZ)Y
9+L)(1V$!KFE,IR@I#1FW!+[Y0($@M!.9G!G!!D]B8&KX1^B2"Q$)13 MTGMARV?,S?*1\!(27CDUQ)P$E-6;:%9E5Y-
8MD-A7XF@%((N$14J+J T M*:"Z#:.]+A%BR,,)!F*:44-V$4"UQ!VO8F^C#RD/<9=RAZ.3V&>R/C\8$UI!] M#1?
$EW&'$TQ02]S!&H$<52N/')1.&1$A-*HE[F 9'#NI2P2)A:!:X@X6=B89 M2@1U$D&-QATL&7?H.+QJB3M8&'

+5B$23N$*'!$KSE>C2AB\#+Q.TJXC86 M9T[#OKY1#*7?OSO2P:@C_]T8X$0&G?/4]F9'"55(]Y5\=H5\5H?+UQC@2 BK
MLID@^4SRF4 O7HK/ZO"+&P.LYS(K*[N2SR2?"?3BI?BL#M>[,> :PI1\)A3< M))\5:9]!B?A$VC?
H;E:W,R^\C1_"8L)A;Z+>C,>\RI?KF*B7+'"*F>]1[M+EV M/ >]A-,O*D"S(+FZ:UY=AU*TSVSQII_5XJU(HI*_OJNKRE+J5$-
IF)KM:*! M-^'>N_0PB(Y]I>]HCM9JQF#4FPRKIQ^*$Y:6'-%=CJBCZ,08&&"+C3N4!R0Y
MHKL<44]HF2;&=:@B7W)$=SFBR=9JQ]"+B7Z26[K++?6$Q#1%.3!]Z=S-
^M)=2]#D"/,GFE#@D03940VD'(J*/*R5#5WD288E&)(+X(MJJ/*R5
U0%#E#H\204(BJ,DJ)T/M8E]I":\4O.JHI+]HE0@2$D%--E@S5%,*J&[#]Y9] M.W6,K79E6Y=N0JB6Z(-]]2:Z<67=FAL%;
<>:]=B5]<2?= &.""O0R,C)81V M$+I(#5,60BJ/V2X204(BJ);H@Z9A"%0BJ),(:C3ZH,GH0\?A54OT07 MT/&R?
(:]O+7*LY@EGTD^$^C%2_%9/.6 -1$K([Y,.[M<%^V*ZD0-&NIC-)'6-92F0EDD:F($!K74AFE&
[V)V:$N^A)!*035DENL8Y/M MZJ51$D)"0JC1TBB]BUVI);Q2*HE6U2W>I.1>66-%)JS%?AV92OJ+V@[)S3: ME6TXZ*
+2L(K!:]:HF!#%51!7?8)[R:$&FW+-M2DA.HVO&IIRS;4014T9!_Z M;D*HEK9LPV%O8E:O/9.1AYI[LEV+25U+Y&&
(TU>Y-1207AFA(&35$GD88N1! M-DCM)H)JB3P,L0I<(JB;"&HT\#"4@8>.PZN6P,,0 P^:**%13H&'N">;R#9#
MY89L\9M?;<%_Z??OCFBP+NWFS,]N'-$"J[%:6;4INXV"Y@I+-KQ"-JS%'3Q2 MT0;5)9])/KM6/JO%9S[20!'FUH!?\IE0<)-
\5H3/:G'+C[B&-R6?"04WR6=% M/#N#2P0O2MIOP]YOS'O!*AA&_8QJF=SX7:>LG5R=7Q7%V'$KC/:-BFG]6P
MK4@&D[S^^J[O?/I2Q89M1<-Q+5966:_8(7W4JJ51]P@'O'0IFT9R1'(1CNRC;J8_B>YI;O< MTGQ'MA$=4C+2*K?
%2O9L1V.A4H=V1@OWLF,WUH"L,8 K YNB0X"Q%@EA+80 MTBX26LQ"2.U-+%'*2R6"^"*HEKHH0^M-
QK+&O9L(:K0NRNABJVH)KQ2\:JF+ M,H:]R4CEE78M6RC4VI#M.BH$M4&C#=F,40<]4!)>*7C5$@0SC-Y$%<8G(R'$
M%T*--F0S3"FAN@VO6BKPC#&H@F-12N0EA/A"J);B,L/J34RU\J0Q&7BHN2';
MM9C4M00>S$%O,AQ4;L@FO3(B0DBM)?!@8C%\AP8V2@2E$%1+X,'4>#1DDP@2 M$D&-
!AY,&7CH.+QJ"3R8&'@01DOB%'BXAH9L^Y6:$0E9Q9I76_+/GT#=$2[J M1;2?P^B74U"PW&[V),>35_E[RLN1E MR-
NJ&"DX=@;^&-CP0_CUSGB?):WW9 ,&0W^#!YB97M/SENLE8#]C?^ M!!=GT<9]-4-(HSZ^!
<$.1_#D5T'"[SQOO7OIU1QUIM:US)ER%.L NT?B9UW3 M>T>7=HAV@/B4(,KQ9M^=X*]OQ,B;I%[JVVA.QZ
[9@]HGYA4:LNHM!, MCM)T&?&EBPITR=8$_*)X<\4)@\1EK,Q!K"@A@,W>5L"^F>XRW/%-9E$]['%LE
M\C8'*%SH)0&KLUTD,>+V=D-Z ^QS=P-/#-8$5O%,EJ_]K439LB>2PW$W]/U8 M#
(KL&/71//AQ_:;ZV+@=152%;\CL/DP^-1IBX:^N!M?6<+[DB!4IK& #V[@I5;K)0F!PI3L:R"'-Y\G M6XDW?7J]G7MP!?
SD<1/ 4H) <=S04_[V4?D?XKO>LWVCV(H+;[8&2>Q,EZ* M@ DW;1JMH:\\. Q?()[?*6*MX;/0R"2'>"]MW73?45(^91>
(L7B]Q__+[R+ MO_8B3E*(/5T --> 3N F((>]7OO>3V##$'!:GHL-OERLG5 FCBW!Y+L$O3=1
MLP6T:,D2[DXM&E\VWP7PF>//;M>V'[X] =P=@\8=-8CX?[WI? 9TS(/&:7XB_MBR=GCF>A..*$0@!'OP)',*@0\-
B=KO/1!8V'"*-]\;[:9P@D:D*<5 **??5-E M7U%)J27Q$H9:WQS!,M=>X. 5=SY9VHB0=R_.+%PD!F'JPMC2&.PNL1_! -J$
MQR])V3X(7&"!9E"DZ@=Z6^J?N%PDO#.#(V-J&;:IDMG0'@ULW5)-<_"H/1J& MIJFS_\51M?
%%BVVG]#5PX^VC3^R_;NTYO.&=O7RQ7P.TY]*Z(&@^!X0_I%E# M*C^+,$6M3%6KPFZ_[03Z1M;!L?>B>RWH@@]
(%I-CZZ'-S9=X0[:-LH M%0'-)/C@!-.E%VQ\\@-N_O2F_ZUDZQ&1D&'S_A!,3P&I'N;TAOLO>075Z\
M\GY!=>,,.1_3OM2+/$P79+99DJ_S(Z_TW@O"@/$.YN%JC\B?^,T8[XM*'75/ M[$0"=8? IB_M=4#NDC_>S9Q@O;1?

{QR7;AV]Z-T^EI '#C.34%Q$7^_8HS^(M6"3.D(J?"_=AZ]^S7X^-/JJIC&_&O15YN?';J6J?5TS2MWJ^.=C39>+JGU1
M^NF'Y^3?G4S9M#(_8SC HZ.O(4?OD=[^!-A{IOQS]H>R">J6A7HZ-]-6ARH MF'MTN$9P)';>KA40S/>O
*H14W*Y$_$!P*J&KH<@0D")O?%54*S(ZY2H)(^%4 M'4XU=3%:.;/9DC04I?[#?L4HPA3MG#,CO->>RG!5F0HY>0H/!%*
[,=J>$&LXJ M(\U@/.Y-.&<3M3U9+O^J^:>KK).3F^A#.L4KN0<6[S[!A7;&\E5DJL:YZJ< M.K3\ \D:U'*
@2;Z1?",6W^2T(CO_-++4]IQ&G>\LA7G#?@![C(D:Y\\.]XF M6+XJ/IDB46?*,K+_,$'$?*
R;%3<"B/11:+!E8K]@=_C]BR"U>5G<):+[.O\6(MV9<&982!UL$F(Y(INLH41TPTWDPA.^]TNO/.$9.$-
XJ&$D5M0]$;#AIZ,1AE MX8()K1F@O&U1@Z;",94FD@'I5G\C;H JO$M<6\/.W/HD='R"B:;(W')'&LW*
M;A67@%E#PG!)OPF4-SEIPO/YQ58>47:&]@%-9+N#O2 ^_@JH:0NS%F7A(Y?\ M6X%,4ZLW^?
C;K_:DH=1KBH:W!ZFAP+"?]F.^X?7A!\V) ?WL..DTHY+@S9?K_+",LH]P$L'_]B![4LI,S>I$/3
*MP268BH8=ZA!779RH+1%V7/VO05Q9XHBK'$,A*8J A9+CV+O&7]44T]CR46,6*
*M%H!;60*R%3^JU5%"3X'%D"!TPHU/:,C##@)L5H!&6%(23Z1YQ=.\PD+9;VTV*
*MK]KK3:ID7AV<)NA52HZ*K^Z'%!M]G=]3)KIW9[_'+/39Q79#9/;9W2N;BROS ML@>+.1CT)NI0NBD["*P3(1-*
N>"JJ$YL#?KD'$FP"@BUC==4KQ31FOPH)K/8# MZT2LI0$I)EQ\N:H3:-P.7_JWG7X(W(<])1\^\!G1R+-P9*
5B90NJ_9#)?" MX2A$BDM&.<.]TP#*\:J7D#%&;R+*^%H)D1KSUDM Q!0'(IQ\MO2YIN!Z5C2X*
MS,]T=_)HDLPTZ>Y43L$]V6SZ2BM;>)*F._(CM]'ZH>@ "X^:>I]7:]OQ,79V MPD,P!IG";]XOCXT3-$-
>LJMD5RXF145VY1'OEMPJN55R:R'[K1JWJ@-YN$IV ME>Q:FRU=D5W5WH17R+\I;MV?(13I@)YI04RS3XYW M9ZQ?
*M!&XU-'?H<=:H/ M]MN:>O-X?DFJW?VNC#S;K'G/G,>K_UT8*TW5F ?)C?*R<*8+VO4^U3!^MB&8*
M669'N69>3!RX)___]!6@_&9N)T2 OYRE$[YBY_^HUSS<=Z8\ MQ L_@RB:-BB8$[J+63[8V-
V:>L6B@"6+'CHS.P=GQ43[1X?]+%.=XGCO9VZ7 M%E,=LKJTW !QX\EG,6;7=CSU E9X=
(%DM5YZKX2<7.7G+Y]CW'17^A4RF^ MSK_%_?R#CTMGY;CX]?*
*9M!KNW&0$"QUG30TE6ACF*95>O:6IMZS<0,5G((-8_ MV4%(7-R1AU?X:Q7Q437D7-2H/C;'MR.LGQ-])K>R-*
T0F5YA>Z- M!]P\4_Y<$+(,WJ;D-/GIA-L\6LKB:=:RIU.RI".?S9(3%"BSWCX_O$/P SA]/5--I?%&S3F.;=2TXC3/S=[F53FB-
*B28&3FZO3;*E%9)HU>DQ"]J"<;=IWAR3XM0Y,7 M07%B RX?*
^LHZ;EJP7N(>;8O%JK_KQ6O73,U@4:"E2!5RZ#HL^MJXN.+.LTT MD^4TNRH^'K/XF.Y;73I%F1TNKU-*
8970/V[TP^L=SFL>9.H#EAH0(VZ_A62Z M&M-&L,)OUL#SWNQ %O,8U!93__?7'Z]K^_Z7GQG69NJ9T7(GSX&VS&4;C?*
J# M(?NKTH.]M+ZECT2;-J;W=;/PCV:?3[&/Q81YFKH9H MS,.UYJIOC@373=_;P4)9VZ_4\796F7M[.T&4:KNM:>/37/
*M)N(G;[_0D,4) M(]8Q4GO3;=DKA#-"F$"V\3HE]"*]$";"A;O+8.4GRMZ*8 MRF)'8Z;62VN[W8@YHP:@(%[8A9%MM;Y%-*
*]DSN1.8XZLDM4YG1@[8->.#4V7C MUQ7=XD$@L85)J=-'S]18GQ4#&V+AS(!O$(S#3HD=99:*GFU%*^>)49*
*MI9.L*EE5LBHG5CW#3%^$X\ F3; MGZ!L];:N7:2GP-!D&K)G]$\X*.(Z[(E?H'MCP66J*V ?/A:<=$:6)MTL[(=-M-A3;)*
[##:S-:]H>B;*V01 XKC+%E*I91)]P>]O9#BNT:A'^&#&HMM])+$6W*
*M>+5#+0J39]EJ6S7VR[]'/Z;T8'>)_0A":Q,>OR131-+0IJC# P*E_HG+11@7*
MF_0>7[3P=Z+TB=P^^L3^Z];>PQO>V45@-39W=&!=8@AC=_M^"1;U#D<1](36(C,[L/XL]M,J6?
*(,J)]%'*_K.4Y&'99GX'Q:J,GG[1$\\N M9?U"DE>E=;<_4!E@O*G%>%,K^Z9'4-&LI)UZJ[7G8JX3RD27A'$M,"53$"IO*
M'B,"O(UJVVVL8E\NO9?@+J%_O;6XEM4?&6KI4ER];QFGJT+WLKJ#TV-6]&K M*=R:]"NFA@6+&,2?I.52J(K986C#*
[L]NTQP>_XME3D[1;2[&#CBAE MJFW;%!AB6_>MW[XDMB5!7II*?#HLE"O"$XE5GCTW#>^*JIEBO$OPWU=)9\$*
M7770=2NW@_W2B1'^N+6U\V%3NB"T#)[.RM!NR>("B*17X'3XNK.OFY".WX@ M_K,S)=2;4B4MK6O!6-*
*8K=B>BB^R^%<*3TN\3XB)]4 MTWQVOY#P6UQ)DZHA>N_#52RSR-!Z$VE"=Q-V1<>0-P$[O9O]?*4S\&QU4B!P*
M8ES#Z" Z)>X8^JA N!LQFS$(Z:(LEDPL?W7L5]?@ 4X-]+XR=^^%O;U%9Z@7 MSN8UC YF\TJ,
<;$%BH(M"RKFA)KVP^F:?<87=AGS%VQC=BZC;'S]?GS!9LE MCF"3:GJ3:GKS"VSWK^H.FP@Y!N?*
*+8?.K#HW$R=M(.47ZFJ9(GV'JLEUHC$/9 M'/#OJR\GLS>-+LE3%\CZ*LY36.1:6=-M T\5TV@DYTG.J^3?*,YY&L=J&:.$Y*
*M3_*4Y*E*^8+%>4KG. #V7\7D3;Z.!4'4;_PR09AKO_[2IM='K>O(8I.- M_*^Q+9193R--*
<]C!#!7)%]WEBYR)G=SX8M1!OJ@89I#5A1Q<'-;BUCW9S>K(=5Y9K\]31>#>.*
M&SMC#71K!U9_=BP#M@<%O4N8_&::\)+-H0LK61>O._.>,@R?&3KT98CK;R* M>GFDC81*
VC7X'.]7'BSF7S;%B3=7UK!+OA+$R1QQKMV5^2)+2NJ,HEN\55J* M^%_GWY#T*7_]0+"30*)I4!>'$A6;Y)M %H]D&2-
E"Q!;^^OZO;>B]14Z,#:X;H>P?H MQ7MYG57CY5Z^2T=U!5NU#BO&F^&T.%%$O)5U?&5^>;[L7Y2NT^7_%) M_)?*
<=V7<=[XGHSCW:=5\KFW@/LE7DJ\X.7:\Y5>S05]<;Z27@CIY&GOKR1Y M)7G;^RM*WE]#^W%)>+OC\HY+C='**
*(W*M14?5E\T*;CG=DAA/?? M\W*JXT0A'H MD5B91F9?S?59;J=\EN/"3LL#(M2N'-*
'72&^7U3?,G.W1]GN>"]VH#CN=+F9 MD9GRXH0+QU50Z<&LFB?/FP6HE*<%NVH;R0GRR>Q@\Z#N!BS?3<./#?*
*5.73Q>_2;S:_M7BZ3CSQ:81CG9L7W\LD4-2AZKZ_I!RMOX#'>BKR]H?GO\#5\]SR$=AAUXX*7 M>^^Y5-*
*^"CV;*US7Q*:6"?G9;E7U6RK).I'91[MEGIOH;D%$!\ U(@+N>Z3DF MW/K9 NQSM%T:["Y XI\;VP]A:Q$>@?-36<'UBT*
A+F[\?VY<$LD[?7"C:_--_MOZ'78A:?[;Z"I0_*=NAY?RG()[B=B%NJK@=*Z &"9AM@!1!%0:"L8[IYC\#T M$1R4QU?
EW\N8'T4GUGQVISX!J?!1/_^],:[AG;(U]T"6,,'1%PB>5'O>94E M8>]CE3&(,A\@.=<;'_@[0([']$V-*
*&^MNG/"5KAI_&"ASWULI-FRDX\]NU[#] M*7M^PZ@ /9L;;]2,"3B!SZ=;T"&D.V=X!=4XO25'PL"TB#9<)\$FV48R8N=*
*M8K#4J%4GO=R. URVC!$"6+.1TN\T$_3S(U*X<^>?[Y@FAXH_R']][B(;V+ M,-\%>'H](H&W^]Y/V-*
*60+$O*J".=S1I[=_8M7A8+!F,0"]E)X/152ZU8K6W%%K.-] V*CC69HIZS M?.TKE9"ABXN,(_VYN=-Y/!BP1L27!\:1[=*
M/VFHKO[%<[U([7:?/E-M'7;@8Z2__X"+?U]ZT[]V]-K5)+?Y@N0&5=3M\IQQUY,N)N97[&".--"78G:"BDQ>X1_K"O.%!-
*MH4"KXF[2XD!C*M.NU%:SD-J=NZ?:C?*J#:7BM\F>]?1:.E\B".Q8<9(6+! MJ806<9%>[$7>^*JHIE?EJZX21L*I.IP;&-*
'<4,6$Y]X&J;A7H-QNG2UY[I5 M>9-37#&?7VSI$6EG&.BBYN$=C6A$L?
RY&K&HMMB1&1,3($>WT3(RHV!#@/:J$B1<09+3;[\L M2#!+;] \2*ZA!^\GSX?_=)7IQO>).WU5EEX0P.W?X(R)(*J\N;*
*(6O)6TK"-9 M^3&9W\=4_N'#^J+;)PGYOY,Y_.:'_9/%$!JKYZ I^<(*DI<'7^3V0EUF9.58-ECNN_3.:)&2**
*MEOF6AXS)X;B6D!$0,D75O?*0P<+?R@,_)68$Q$S1;A+E,6,Q';S-8$:VR*JK M/W\+/9\?R)R 3.C_8@(6# (5.GJ/#>@G)#S?*
*8J:]SZ8AD\T#?]/)UQ\=F?. MLS/;V,OTC^)2:X8LT>1L\HYB*0DL"32[7&*IAO3)2V))XY>P++DI;R*
*MY\9SQY+.P9/3+I=HHUH?[?=R?E2[O=8AS^3!TTUS6"B7X[L[B)(<+:X\2C R M)+-,NP:3' 6M/$P,*4RZAY(*
M9Q:,Q&WN="##S-M@TSPZ7N4Z9P+Q)(W8\N,2H?92(F3,O_:KTGZ)764IN?0J
MN92GR5".RUF=+IT(MFU,N:)MY/L699 8C/I)?))RC"KCJ&\;-;G!8[24KLF M^58(=$J^K<.$+L6O:K5Z;R$X=6^$6I:/?*
*Z;1_!F-^H^W?6=WNM?;.8QI%S51 MUCX S(<5)C/ GIGG\ V!&C]EQV_,RQZWF >VGM*TB&6A.KQ*
*&U60.4,;\"=P8HOR1/L 5SL[*F/O[S?>>'>Q#REHO M)NMG=Q$X":(RM:4.B_'>Z(ZH(@R5/GE @7-XJLPU)X#1W$#:IB6H*
*NV S7:2A M_"DG=+Q6"@U9#%>U%#KFSBM)#NW,YX_$5DKJ0OCTW>PN\1^!#5A$QZ_)-.^ MN:%#%WV':7*D_UEBB-*
!H.T1HX2>OL+:?R.TCG!M_W=IS>,,[>_EBOP:H]:05 M&-!5#@A_2+-
*F**.P",,>'*=JC4U$^EO9B4B15OW#_OG!":9++]CXC.%!NIG5 M#'4S.P,INID"=\,:._;0HXAP1UB7P_=H,]MZ/37HF-1L*
*MSG%5\$Q< M)^>IXM#!:J!U!G#PQ2?Z"L?(^@29&X@6TB%I,SHW$@08V!W1)"]Z(Q_O:*_7 M2R>E)S 8(2 [/-?X[9B=.*
DO=J!9>(H2WCNQMT$>'O/AU_-??+/#3P= MM&!OBJTSJ&P,R2JXB=5B_.=A:N'HB&:" 304S2UGZT"_ 4! @?
MHM@3/QA MR;@1]%DB,:+KD_.,8 M7A Q]"%_[S_TP6RHJ M?UMZC_E6"4@R!ST^OSAQ=SB>393XL/M#9X*
VN#=WS[_\>,S_5M]]S8URF$> M=R<"H>T"A2/I&LUUB!=&?0&Y<\,AT"']#G)X/((DXI;O@_.(!8=+4J?*
*&>+IC<38/ARPY:57L'>W6&[@L^GOMA-$ M=T;?=BM!'N$A<\[JMMB@GZ*4@D,H?9/=0[+;OMOC9'"IOQTP3_^*^>*
[=%=BL M&<[> !IOP1@]"ST6>VA!")S8^MQ31+3YYT>FRT:V_(XM=T]@_9_B=_M)=@(ERW<%"T.W66#I5BGY.5?*
*(@7\AG7\8WXJ'8Q)9R*LVGZV495O_ [&BZW M>(TN/NOS_N5P:C#;E1IOZ_[<^]V"9N]V,\TX97UT>4DN=&!N\L()*
*<6(G?]SP MF.&?&NJLOIUI9Q,P#_D)*FJPMWKD]2 $TV:O@O(T@?1\ J%@J$*DO X*9Q*)*

MV>WH@$AQHP#P^"DO8F[+OKL&!=70.0I$7_DZ6&)7\.O^?Q%=U-MG[BJ8N,&+GL?J??'7YN91K!]5]A2/WH,O![#)
[9WO,:63=:XN$D=/ZEX6F5H-M\SJ"1EJ)(Z@$NY?0I0^OI:V98JVDZKCI#6JV3+]3&RM>/SO80JC=/BTPN'V0"4B%3?
1U'/>V-MK/[(4#'T'5?DQ0^.H^)]>)5?LY^/]+YE&,ROP/Q@?G[L5E9_:&JE[G3\\[%F-M"KFGC2Z?2=Z6^TC5GI;/+-EJ_?
32S#8RK:X4O_VO![:I8IX250F"[RFZ!7F],1/L7:6:-M7E4=)4P$D[5X70-_76_Q4F-<4Z+?*
3)5,Y7X$N>V,'+M+C?]N&B59,$;7+Z-M8D<-_/@/9Q#SZJ?5'%LRH%-XE-QXL6-N-M/P:DL[-YS>6*
*/*Z3QU3>=I89_VS_N5AJ%/[#-I2O>20BM[F8PK=]QM9MA^-M+0\&^:/21]?;B_X[0:INI?Y>|*V19WRRJ^*409;*
*8F;'U3DOK+Q*T&A+Y]8@-MYSQ3L-1R=(F<;B+G/".F!'*&K+PXB9SV(^<\[;L$")1(?7HMY1*IF\RAIIO[=C_?*
MK[!FZV1:;SJ&\-46MGA_]-S-M?H9W<^2\@9F"LSUE3M7:.3R;CZZB2@."OF90!E2D!U&5!\]/4R
*M@!I+0'494'S4>!9P+&9)7S.8N08_+JU2R\GCZKC]6FWRYI%*NE-%@=N/W"?:-MAH#!!^:*
U?.EIN%HTOE1UW2="X%'934SD.!I-WB=LNH"AZ-V>M#HJ?=Z"E:-M-5X5/%LGG5A.YM1OS>/>G?$9))(?*
*3DC*CV$J,WQIOQV\)-Z#J/\H.J/H8#U/X-M1GS:9B_;?LX<9Z=3F>/L=*KD3@K<2J'WHKT0WWNK%8#X*
=OJY0ZM.G_=WP!!-MTU?&ZJU;\[PCP[&B=V\J2;@R*S:]0!HM!TALL;.C93DR?R4C]\>=M-3:&?$*
M@$Z(P@9\='C(XZL"+^701M^[82IT=!QMS!',%Y?^>-LZ6)@-MM;M5!L$&G4DX7-K^I
U34W>ASZ>-5I=+9>V%!/8+_L2W@7MAYXB($.2?&^<9-MA!S>,OW,@^2RW!G-USZQT#@^L;#;PP>/BXG=I.#274
/Q1;EXWMW%C/"D0Z@-MXT&!#J#-M_MTW"A=ARHM0=2D.Y8WRB,56'@@S-(\?]#I^3^\EQ6.C$A)C(6W
*MG.$H6^P>:@=QO]!->1.+$\=5X&V6M+(KF91+[_9(X'=O95=1L;IERJZBQ=8D-MNXK*KJ(G:"&[BK9Y^V174=E5-*
*V'=*2AH6P#>0[59%=1":>FNHHVW[A$U%]) MPM75B>:\$F3@UH8.]R\DC//=FF\^V\H-WE7%YW+RU!,48CN#R]@);>.*
<8"R-M(7#WRB9"Y)!KHB!*-6$B%N?QG-K0@H[+)>M(F$6*-2D&KE0,E(F[G,MU>D-+.BJ9AA@L*
MRI;\2S$@Q<"5BH$RT:-SQ<"HH24=%0,&AKRR?7K:(-9DXJ?,F&V$<,G7L:2)
*M*GEY>G<+7)_BK(.>'95O+98OB!D9B2A4-MTIGX)[TUF<5D_D+[?WR=TS8'P=<=L8]J#69O,F08#W5.8N":3";14*
*(+51D]-M8T"/RBO15Z)',/3DN"XJH\="V<,KRU6B1S#TY%B\%=%C#08BR9[.9W%^G,_)-ME(Y]W[7\(M.-[X0."><Z*5-U?*
2MV6UW.^OOZI"LW!FGK6:,[)FO@TCQ$[W]DO-MMC\[;S[6U8CW_&$-/L&L+'L9^S#I7>Y3O<=^>%\\]YD$<
*A$7_[IA(M/GC\G-M#OU^F^K%DOYJ;R**[)>:0[U6RZ6AI8%B(:'536CE-U]_*+3TWH17MV<)+<&@*
ME=\5_*+0&HHCM6142H;SA")<^\WODV&4(^GRA<3S?LR/3O@>/"_C?,4:PG*
MQ(DC&6\62W/T)'%]TB%QT9>,I.+4TF4Q"O?D$\9O!J(U^S@88E7B=?:@DQE-M\&I*^N1-6L^V-XQ^81OM:!OT*
*MP8V""7-I]_";P-)I&26A-$Y#Z?.73X=82N7_,H"3;KS@;E:W,R^\C6^W1=5@-MARH:,S=OQF/J9]!ET45?I*ST5FM\-96&?*
+4;U;!N1D96HM\H9I$X2*.J9(4F_H)!6@&*SF%7;#!6:>XD27A1TJ3A@HOWNV-M/T,4?G!\>$W/#Q1[$RX\'QX[4^QX")-
/UAM_NK-#HJQ]F\FW5\H;O'$\I"J:-M$O9]]Z-OT8^VDZO@_ILUUFW_>YD$=VUH'(%"X(=W%_"[9\:/O-\N_I[.H5+-M(6(G**
%^$_5F-,BFO>-;I*CY?^_;S.FY5GWEGL[?>G*>\2L2!;KA]:?'R0XH&-MRLJ>X9PL$+-1/BV/2(!(5P6:Z4&9V2&X4>PT[\1->
*(@1@EJ/K^/1APR;L=[*R-M'9QYM*/P[C=;6F?)B:&/,4,R1,!+L!8-&_+1,Q!W2;E"7P%,_^<&WC"AQAZB-M:>*
*<7\UT^C$OBSFP=^C(OQFP<.>@GQ?9*AZ,=(S=;I27A3-=-(6\)X*-+)07-M)US02_QD]PXH#A1K"Y"&;"!1";U9AG1LE'V4-*
CL1M/^^B4!/B^NC:D]=LKY-J7>HD?D-"U;2=8@"2=^]Y*"9T5;<)"_XU<-YV""ND_3-M7*C_^;X!2T*
=/(YN54!NLMJ';6Z7\O$G/-I]<LI]E/^E6CK(=1P,MZ)SD&Z4-M1YR;1]=!@AO0.9QG8%?\;S>($_6?>FOBPLOX?
*Y%P[SB%+?T5YTI.IV0)YA+.-MJ,MH,?:33VCH#._C*QZ5EK!2?-XFHJ6?U%=^P+D?R<^WXD0S%-M(9:GQ')?*
*B;8,U:WCHCM_AS*TOZ'$C\9M-OE"I-,4Z445AC#2%D**/:!M^@$S*
*M>/D@DH1P#=4G@LWC/V(M):8ISNER8EHOR9.]A#7]<^-$(4=*YIAN\,/-F9&(-M'!&YMD^B1(--!@-]4<+!_=/[*
*#]!_=J9.]/4J-$D)N'CSV=-=_?!W^\MM$N-MW"QM/R8!+N,4]2DQ'X&(&WA.!*Z5-X/GX5_X.*O')AO-M>6,*
*(^INPC1K>+PW"["99X"#6&9WQ:5OO;,@U<&@/XA\.Z6&01K]@:%S&2BH-M:OVA56ZNY*DIAUU?E'6QV8N%QID).%?*
*HRX&-Y3>RZMRQ;HU.2F83*8F+T\-T-M-Y'[(@JLT1\56!-C0C4*P5N]SQ!M;&-YIC]MQIYC=CJ<94,=-*
*X!FC:EXFG#/+_Z@9D]^P#6COOTC>HW#_$]-M2SJG332GM:%^HXTN/KE!A.S/"P)0.#;EUW6G*P,;@%4HG^2PGG;*
(>#_0.;KQ-M7RD#WD^IB9I$2M]I0;B[;Y;#QKV)8?09#BO)79[.L5=.5R5ZS;>._^QUYN-M",L!;/4FZB@;PA"-F]B]>D9-*
],J1US?3OZ99'5V[E(]>?4U\5+L>K@UZ$U,?-MWI@Z+SVA!=K-%9SY'3G9C^G-HTMIS9K:FXS5/K=YMI(;)#B?V-
*Z5754IIWS9"YH\-!K4A."F1L]#)B/@6!Y\3OA*FD,'-MQ4[UF$,T4]4RS1O+DBJ@5-'%XI(3!I%Z,8-*
*HV)N8@_ZH0XU8)#=TA1M*5L>>-M91!AWK\Z8EGTD^$^3-R]AXY5I-%K/QAF#C<8M87):O&$W!LXW#=L]^*
MEVHEAO\9/_X6P7^GF0E'..Z,N.'=K:[V1_P;K65[_[-4QNJ]?^I7<@_HJ?=TN<'V<-ALTPD";!8(?P?A05\]T=NYWX.V?
GQV$BKV&V"QI%DO[-ZV-M*]QVB@04+I1'G$!-6Q?&@Y.4C]\>HAZ0\\URJ3BKM1VUQLRVS\.K@'H;[+<9-MT;QV&
1+\.FD0"$?T4/ASLF:XB:[.'M4JT782W);93-H?^DST(V?W;"J-NE-M-YUN?&R,^&S[K[0EJ.=@\\<9%2"'=]:\):I4?*
_.%_Q'V>RAT2-M60>9MHYN-MZ"33JW<-3F.DSS[YW@H;86Y"NO]?YQ]M'UON!HE"$_79W;@7CC%?
0Q'H%\XQ7T,5ZA7%OXGJ9P_V,#Q(A&)U/V-S4VQ.(
M\=B+-6T.JY#XC>))NM@<"$MN1%QA+M^T>&A!L4JO\'#7''=C1^^:$F2Q0!EJT?CQ[+&\[1+ZRWY?PUCM&.PNL1\#
M#]_CZ"7UMT)DRTV<%[-'H-0_<;F()6=FC/6I9=BF2F9#>S2P=4LUS<&C]F@8-MFJ;._M=0>\E%BZTK=PU[?/L(Y]5?
*MS;.2KBSER_V:X#*7/KT@*/C@/"'-&N&*
*M,@J+,.QC3]5J./BNK/J9,;OV/RW52OOR:U+ZJ=IM.EVL3;;6T;^[#OE9%U:BJK:);2XL#-M=;),.^%.$@35:1S&=*V*
*8+X_GV;R1\/E#!>IX%3:Z]YP'"&%WOBJJ*97Y:NN-M$D;"J3J<.IADPW[S;VB7@)&VFU&T]H+0)V$\O4AY)"Z9XT"F-*
SEADOG\8LN,-MR#@#92N:G'1'9V5%9O?;&'6HH!I"-;VO^4[>H96;_+QMU_M23VA)_;6%Y]Y-M4;[O6_VTL;_K-
1(#XY+AT0ZLWCH%[9-MH>!=SBUAO:+8V2-O2E6\CH:'"20!O
'\QK^M0N]+YEN=R'>6J.\PZC/-82NA'MO"#K.)B!+U(B!#HGZ+^DQ!6"74-MZRCKLWUN).I%0(9$_1;UF1392J@?
NI'V>.VE%?DTNG43/E*R/B[-OOO(&-M(\]O[XKX!B]E5LKK.5_/R?*FK&1&24,BH_OOKD^FWI-+\W9=$F)NQL;V'7M)*
MTRJH#S.:0@X/>,:9M)@S_6OLP3RK5TK1XTP\F5].Y.=,./LZ=7XG5:VC
M$$=+ZCC$2JH5F59A1]2*L\&6!971FPB@>4@D\462,:@?269OHDHDB8^D")S_@+>7+,(K%C5'$Z20F
*M$7:.>G@FU#*0&@U89[H$4P?E-40:Q97(U6*JVXC+$]UO#C"--$0QM,;J6I]M37C5T0OMI<)RN5-*
OY"/=9<4_W.8;ZKK$:C+[9Q6?9.'TV^+LUR@Y:W)8?B'A-MUWEUPVVD\S;#_K=QQT#9NU>SI/HS2+QF%ODNVP7-
H])2'8%0AR-M<)&6A>"(BX=40E!<"-;D6^5U0ANM.J'K3D])]6'8:T)F4)]M0PB[7WFPVG]M-M6]P4"O(?N&^YKKM
Z[D!C]9SE9L6\Q0R[;'"LV;-D6/N4,A@FZA[;^J\W_@H-M5J+^CF6#@B.S-
^'<]9&G;&G,]W/=D"RJ_%\&DN/>A'.#7PG)MD.RL#%P&4A;-M.-%%8E)B\K1Y4":N+N)ARW2\K4J6GY[-M,
[%^DRY:O+L@#^VUY1)?-V##E>-^PAT-"X.=@D=L:##5S,^-AU=0J>+T.&J-MP!Z!SE"(^@517-.J2I-*
"&DWWL&G[^%161]@/;_Q;U2&R4K^:)$JJXOIL&Y/-M5(ROFELR1&N,>A-*
*>4\F%B-.*ZXAI$2*Y:L]E$6GT)MGF1Q*15XU(ODIY642:-M0@=0)"+;[ZPNB\AQ;Y)M&B0@(J^A#^3QG.]{O[]{0G?*
G^:M=6'"3=\P<\AS-MBS*5Q4$5+K5O,E]1<-QF].!+8]*9,%1[$U/"4,*05WGC-MF3#4.*BY-B1J}]/:X"U.H/8:?W4-#1A3?*
>).SNC0WR>H79>9]5&:5*\LVJY-MEQ=;W);.)FH\>ZZ:M--PE:!SJ9UHR'TE>4CRT!X/Z5QY"/L6#[/VF>0AR4,=*
MYB&^Y]!(GD.2AZZ.A_B>0X;PYU"W-C_L87F?/!_^TU6F-)(W?55'"^ZVI%&^-MLWKJ9UT5.I!^YFUP)'SE07!%?
*&!R=2*M[LJ\(U6FZ!5M,=?B&3.L5^Q4]G25-M*7KI%B#N9G4[\^A-5KP9ZP#%UMTWJEDED5J<'HR2*3K,%%6&*
*I)5DBC%EBE&5-M:622*213U,-456;PE60*BS*%7F41SW6^.512S"))9[,PGVL^<-*!UC)=D$M@%0Y1-6>V3S&+AZ5:TKK*
MZ>71O,HMZJ^N+#XGLY=EQDMQF5HE:ZRD.VH41?.R%4L")<3(I#+)8KQ9K$I2
*M64D6,Z+88+:UO60QR6(=9K$:3S%3GF*2Q:Z0Q6H\Q<8M.,6D-2XCFI)PK?B5-M)%Q+8NB7/079U2'O[6"AS)?*
*>B[(@LR<27*8BI&TE#7)ULAQ$EH/(?,8"=D&5-MYR!=&O-FFAT7F]8"7<)]TN*^"IU'%G@JZS1*
MNU+$BX"++F.^'.0S51KG(%WC-V1:)@])'TAS)01W5;PB39OO\OK+."BH##+I-M<%FAT?V%A,IT8;M/)!KW%?
*DHG*GBDV=[N:%]8(Z[_0H,V.A\WFU>C_^I$TUQ-M/IRA$90=[FSI_,9<": @=AQ$):V(HM.J.,)IR)Q?*

WT9;H^-0*H6D<5ZC?7X M&K&F>$IY)":(RLFC<=')4!SAA.F9'/H!7M@8+%7!T@(%$#9(>4-^KL&R(6^5-M1^*2N1-6&??4>=[(U?A.5%H=X17VF&3+9'G!9:&>3H'VT:?"3WCXU>[>+ U$#+=4,:!:-.J^+;Y/ M#'[;*WB?,*7JDID2>@JQ?4S;/R_TG2V-X,5C[;$L\[3<0X;ZY'NK>V_JO*>;# M:,)O- \A)X:0KIR=.S_)[/9?Q/>8W#?J@= ?:ZKV3MQ9O(UY.;H&U*KZ,'^DM,A!IL&RSTOXT"4-Q85A1)3ZBDEP(CB:'=%R)2>$Q655/K@6+8RX-E"*P[KK
M6&?.8.Q!D#NQR"%G94UZIT5&]O2E#]^CP-"970VBUN M6KO,,Q,25#Q4[R-Q1K5;-:0=ATW5K(K2P$V/!?&>9RGRI5&;>0\> M4R9 MTWP-.+Q43O,%$#GFTTA!HE%<--96DWQ)!2L?,XO%2:,W]$:@,^[1S$
MTH$K.LF;@$SEX9=5;?8(L8$92N^F9D6QT M'6Q4\B2N,B",P5!:;V()E^2O"1Y2> C29='DF2C;K%1LT?24/PC*3;WDD7$MQ#-H=A)/QT2!ZR\TU$NNKFVKZY8+@CU&,"_-#H-P9PJ**:'Q%*6[?W 5I$&' M#J]A4<=FY7G+<+"-<.#R>%2E?
\TY^R6VLBCY[AKY3JLR[*HLWQF4[P:2[R3? M73O?U7K>F?*\DWPG^:[V\V[=75ZF7Z7N0#VJZYCUZZGU+1_+] M6)"Q+5O@?)"HH:^"(V9XKC*=Q*$_F8:;GRX5+'=K6F^@,V"I;UY($3)>:GY
M_'(O12$QPP73O.P[@#GQ(VK_9@NS%F7AHZCX-V=FC/6I9=BF2F9#>S2P=4LU
MS<&C]F@8FJ;._G<(^NP7+R3*A]]^M2?-H:4W>4MW.\J*CKMV*&^BA.BW49&C MW'N^>S_2XKW_U/S>
^O#SBL/H1V2%>G0"5'-!%DI*'T/XII3M_#A_%'/XWR>&MY7!=/_Z_M5Z)W>4[8"9WAJ5J\%P;K!7?)\':<_'*6'-+=Z^E![T-1_J37>P623>OU#V* M0L2X"H@,Q8/(9U>QE\LXJS=0UK"=0%XR U7.RZC_S";'!UN,]B?:P8X;S?^= M)!;IE\T*'C+=T&\OJ$6M7O.DO7%F86+)-$G=6$,F\'N$OL11-0F/'Y)RD"= MXBOZ]?L0J(A5QP<$2_T3EXLF??
Z180Q[R46+;4["VGXBMX\^L?^ZM>?PAG?V M\L5^#=#H3G,>,-D!X0]IU@QE%!9ABHH,HX8V,9D -5WV?_:5W_8@?N
'4@_] M/3]\>-J<^,&].WL@_K,S!3[Z.O_DN+8[=>SE?1"0,/@!=_A]Z4W_2GEYK,C'
M!+Q%9O=A\B$^@013>XTH]S<@:;Z3*7&>T<,29-AOC\8'S)IZ$MRT%/'3#J!_M;(+0F;\VM!\/]I*@UI(B
BJS3[Z]"LX[CNK %ILE0$=7L+3&=E^5E>VX(?P_M'LR*/9U&LME/O65 IAL?Q.&_HLVT?1]GLU,M+ESXWN9I 6?
VR\);+E]OO1<7 MY'BP)H@X9;WQ09(2!7[JA*_*&VP0HPW>/7S[2/]2W[WM*[@6M.^G=K!0YIOH
MS*>=D%!A#&*J,Q:FO-@!7.E0GX&M; +Z0WH;U\-/ F_C3W4B#%Z;G8(#K^>)P(0W@ $
M2+BA5H8'"%'"6]";@F=I$<,E3-3D..P%'@CG\2:863Y4=/@A4(O=$APH]BH),+. M(J;FI!RN
"X(^/G2+D3!W03=I("LS#W[D>N%6'BID/B?3 M^!%NZ'M+!9X4B9 P/FI]D!4IM-W0E:$\BF;5;1DM%CW![LH
WPF%6X#R*76/ M0J2TEX&WHZ<-^G7B5 D7-GZ]]%Z"O=<#BCCN%'0X7 -\OG16D4GU[^42=(?L M1/?
%R^KN/G[;W=JQ;\G#GESY9$_)/57_[U&3W#]#?GB?X]7]@0MCQ:)TG-&H M9?O!GVD+-
BN"Y_;46>*1&.T#]>X4@"P]\IK:,>:FJ&4K)48778[6FVBC;-^# MS ?(?/7OJ#;[^XS#?7 MRVY$15SDK6=8="
<0TC.\S=E[TE?N \RYP&1>'UMK/J%8#"-ESUL>B.B=VK#5 M>[>;PQ).LR4N8N-F+XQVG3HM^+%@;)VY3RG&_P^RG-
T'[JX]N2+(?.P.@H7KZV4MPGIS %5Y-3#TK)Q ESH&)\@*FGK>A/7/!L@LB/3#Z >AA>_9C
M)\QZ7]MEB$2&40IT!]N^N12 M-RKM4+P@>[NY-?%CYJ#-8\UWP7Y8*.D4\; @)#8SJC!33F^P$KBU@)G&V2ZC
MYS!33H_4XHL:@HILJHQ#@0\S$08O'7I3BD%';P Z[[T@1*LK*8._1XIL/4Q
M'9IABDUC$_,EK#$*7+.>5R2M"Q,KD+:.VAFY\=FZ;H^H4V9>_HV>=:>"N!''F47OJ>>*E=-E
MML2BP*S6AUG7RZ$41T]I;$E-8TX+8EFY)\/0N?83Y)7[1*ATI*?-FY)O=Z3E M MM^Q3>++-:OFS (;7JP,5\5>S"8V7-=2&Y#V[E9;_".F-%QM=WVHX;>VYM$ MDY@2,HM/N>@\W#^Q$$04(A0OAZH+C[-,^>R*N:VME*)Z=2F:Z?
YPML#"P>:C M;"^5?-&8M"E\TX]YWSE*+B,%=>^DZ)G!2S)Z)BQLX2^#]ELS8^NQA M_S7#TXP77K!QB>,%
(VAP4C1&!K9%(WD=L[Q%(U2RWN8+LALLR1?Y]N%QEWH M?]!NFXREFH=K.IH.$KT Z[TT['Y"U?-M9A8M'Z)>WG5
/I(_WLV<8+VT7^\< MEVX&O>C=/C@8V7/44HB^WF4I]0=1IE+<^2)^<"(F[7DD\]7N$N(99#I\\@FR/H;
HNVN_X.NIO_3 *F:HG3R0V!FZUS'1TJ^4KRU2%? MY<10SN4K"_B*84<*R%<%M;VG*I_>OY?
MZ"'^4S,VVX5MFIVUT/$!P44/#23< M9_=;1+9<<(\&O8DU* GNRXC_@B,U.K[-1658R6U6>Y.Q5?,V7X/RG\1<9XIO
MOR@K3(9R8.NJ#&[K.,"+RK'O]LM_)>3,Q[<&9[2:C=@T,^*\YEE"'0=,48E8
M#C!Z;Z*/LM',9@#3(;WMZS9F$&S6ZZ5#I.I66.0]Q!3+1^^P-S&R022IM DN MHHIO\@V.-
MPK0WJ&GVN&=5^BRRHHA&\3CI4=I8E?[R9G71!<2-0=T1%T:, M1$3I3HVCJ#/QL*3@J&$#Q7822Q:6+'R!T_XL%J9-
CDV#EV72+ OOMV/-[=ZS MS>^),##Y[=':_M6!3D3A=1*Q<]-[D_IQ*-YJ]%0VUI44;.Q5%>;:7&YQ5XBJV
MLK0#;%EUH\P='_[".HZDM\8?GS]]W39->+0#)RA?-)QS4.$CMD@_7HP[&O#E<5W0]&,P99H.D!_6%RN=YFM;P/\
X=D":>D$8413VZ5"#5%Z\ MS7*F+.#'RB,A+E>";U\.WS2V'5AO: QZ$XVA
G"G>.$%J5BEFB6YL@!&P\/7;TG;#>W>&G>#7F+Q[M,M_4T!AYF8:6S3>-;T^[M=!'Q$U0MH^AS9NYI*(>?
1/6^O7"2:C16[%>MDU) MJ+K),=^35Q+J2&<_Y(Q%Z8/3MY))J#()4J34/^@#77A_Y>TA!N_D:FH,F6N
M0&G3D<8ON0?NWWPO8,8NL'WL6&]#NIQ,0Y4\=1&>RFG7-U=@ MB=F-,A
E;U(FVO)$DS[(Z6#$&TT8B[L9F"43&9O*PKW8T5W-1FPWYNH]U3&& M-
;K1&/'H\TYU(;P3$H67SNCAC4(54:B,*Y^B=:"09U:PJ@NN@?Y!@N .)S9L M5ILE;68TP^$4V'"N4SD-
!'_L*,W.B]N=2,SU7KM_O2/PA16'X>TEH8WEW=I\B M]%$&+,]
/V,7P1AU6/@&D!BL@ZO*;*#>$.JPVNQF,>341D)IN^[!Y1")BJJ)= M_DR4/9/&VL>?.#89Z((J]JC?&1ZT+?
Y^\LDY"@C.Y0##ZYK5X"M&XA$IV0@2 ML1WFC3K(]CH^C42I\7+"37HOE9==SQ6ZG5*_/5>_39-
UQQY'P[NF@2G2V:DL M4B=M/U)R=-*R2#$!*5I9<2FJ'KDG*BW!164ZRWF=RG(F!UG.9^E.L@2Q!@)U
M1ZBFJO'2Q*)3_7Q)TY-$ M8_=R,A0KK5'M31A5N(=S/N)YLLYR&8^_HU,Y<(*&MPGG=()W/(P#ZXR#"L,X M\+?!YC$
=15_& ^BXSBB YW2842(9W>%8">1ID43O)UYO@UVGMR6=*(^E\0F@02 M-S-X5K#P_/ V)/XJ M^E5 F?
39]AU:4QE=N;9?$;S1=_9Z[7L_'6RE&42<@.+JIGP#@YPD?+HC. ^2 MR;TE)VGG%-&/H51N7(E7,V MG'Z6T9OHK-
EL)\F5/_JO2[M^ABOSY08=._JV*TWO]W@M%CZQE'9(?UVN7OSW;348]-8HRGJ-LY&7>(!=9?0O2WE MUM<^\X=M2B?[
DQ#BO]*EF[+TFU&Z7:-$.M$"<7>0^$FTUOGY^T"5D3<.WKB MC O\QNI-OC/$_'0)?SAS)YH<&,U2!MI.HTEP\:^VN[?
_+UF!+JMESW-E[]M@ M%)=?YW\/"-6V6/JA-<"QG[QBJ4+XHF7]N>0H?I[D\AR%X\BK^XJ;XZA*^D+R M=;
(=*K7%>&:E=>?Z=BAFF79S#"7(TO(5)4MO*FDK5KE234(S]O=%1H<;_5&!
M!3*Z*B*WW^I]AD'^".O&&Z2:\35!4I9RFVBV#*H>_"ORG9^1=-/14[>C!VLI M537Q B:CLIDGZ[WZ5+:GX1^5Z%?
2JJW.Q67?Q\^[+= M"2;?C]%XK%SX5JF-3KP!;6G*U!J\G'%M8]JQU=DXN6]?'>E28!ER!HL%XF? J_>L(-T^A5;"_O[P0?
F!659_M>/#P3_:4AE/^__:^M+EM)$G[KR"\[GWM"(HF>(KVK"/DJ\5#X60V$'A$QE M[N\^>7VX+CF-
55DO9MF1J56967H@*LWCYAD?SZH\G=C&^&YC&R;=S8P+=.9F M;&-TBS#!8S%G=N1I53ZC
\1M;)J'/DAF,7#8H$^AO?LU.!?M[$?7>>T0-?VIKG3U[W:A/*:RSTPS++@>\ES7&=F*6Q MT,L$^AW?/G8[P
:8[+O30A\W%OK.,WK@B[RN^>3UJ#8!Q\9"/RRS'/@BK]NM M$[,T%GJ90!_;4(NC\7H.O!U8[=_$"^ZL=!KR2P'OF[I
M'B8^UUCH=RS01W0(NRS2)/:&TZM[C M3*M^=BOPF1#F#W_I78*("1#W#K,_^.!BJRP@R^_P(T3!^TO8"I4
#S!V%/H8 MAC%J7.R)5-06VNR.G[S.0]4\;^S[D^:GW/7[O?%3#\&/\@KBWAGJMC[32V* MVT$6U8_M#@BAI?-
:U<:S9L]\\KK7&@X.#-A36^"LAN<._@AU.Y[K(L^-.OD6 MBS7DN<>_'HQ-$5\:%KDG%#.0'6Y]3QAK805-
CO4A9',Y]K;9ZSUY/3J_-?AV M8S36D$,J2-)M'-+'PI-;2\R:6(&G"9V;8*/;A"QW(R55C&38:4 Y#TF@AR,|
M*J@7'<6[JD&&4"^M\]O7BQ]*^L-"-,%?5(;X88!716+?BKY9@R_;NLQ'\Y8 -.<,H7OM<0_I^L4S_A&[
M:X.10/LM(UH(XZV_A/FM@<.6*U=$PJ9/P;^&'P;"%LN5ZKACN2Y]%XBEY7@P M_-TLL+L7IQVK#2"]W(^C,+
()+&Q"AQOZJS %)>A"J#4TVKWM@>NG^N-BI&]
M<&9.%!J5$TGNN!BS=UX]N:7;N>,YC6\PISNN<>IWR@!%=W^0R;'$[EC3R$=4 M8)0#QC,\U?_Y'^?=+LCNFC%'WZP?
<_2[-62.WJV9@SC ?/6\;90J<,W& (WR MZB;ZO.9JNUL_M?T=3F?=P 'I_;W! 6\E7NY\'8,=ZU'"PK "H83G9VM-*VOO
M.B>I>_+JX9^<7OU.#B?=S@;)M/^_"%)7="[.)H&P?IQ9,YCL2\N]MM8A>O?Z M.88CNT'#S>4?9Y&;N=/;(PQEL8(;RR?
\Y$B]>[[&$]>9&N_TVXXC-QDJWJ*/ MX&U;L!4!*8M>UML.Q"H.I@N0GK9AK5:!_Q-47"3 YZ[F.W9W5%^__XD-LF(G
M7*"4X5Y!Y9YC'S&A\]=YAC6?!V(.\ROT=F%=19+_[@(W5<_(,7:_=G[4J(9^ MU$T<_[OVH\:W*/J>0S(CCWJ88@60(#Y

LP@PU\)SP#Y_$-$FA-TGDG_X,OG-M;ZD;BHX/?&!<6Z$1BBAR45A&1NCBT"_J71&&('U@U)45@'WEQF(_W_6H2N&S
M!6LN4-E%-5A85^2-L-T(Q'H&JF?\)WQ746'L@-+X;JW)'F55D54?I7G-VJ"
MFK_;V:TX:A>,'-0PWC2H8;QIQXZ3");AX@^/@PGH-M0*TLQR;>3YBJQ^9/;_N%JQ'YM3CLH*87$$F*\T?ILZG
M&A<(3B!-=Q6(11,OZ5C?Q@[G:!D]>]PN.,O3);".8*1F@?P;(&,#%=BBEZMNVX9UPL'I.PU+!J^0!YCQUS1
MP1!,"*JS8O;ZY(,V@751"-5N)L#2^^>#@G.'W?NK>_1!3,Y\+(M+7RT,SYT-M=%V$*PF!/+#\/\%3
=K@J[%W+$6/$O)P3%6;ASFE#LOMW8KZ^Y:-MF52.T-;85,1J#=_Q1>7'Z4A
MPGMW\B6N6VVS.UK&IND%GA7>",AT^@O/UM/I"I8"9F9>I>U[Y33,AG2/UVH]
MUR7!$>&AUG#TT(HNYE#31/"_T'CF/#-MXP?-4V!XQ0'*1221BR2:R482F2O3XK8\Z;TDG-1G#KWR'Q;,1(18'N7=[IW%
M_2W4.UN@=\&XAG/#5C8<&QB4C.??_"MN-]WMDO8>PCLI3(.:VH'/E>_#YGB1-M^P_CH2G@6/*G)BQ9:"6A!8
4U>J*&ZRR=B+VW0/P9.P&]-;G^5M(;SY#K(!M\0Q)^F>ET-OKA4]]]_4.F72(W.YK<'"!P:($!C6LQ-MVYU.V[@@DF)
[>,Y753WBZ2P=,TZ]FK7+:V0+YHA:AJ2+11J1OUCR"-3=H>43TI?L<\39CRBE%U*=H9,Q8H^TH&AJX;#-MBG!(W0/#
(0U'Q5VV"L(.V^1+\1EG);9];XJ/!N\-CC8HSZ[Z8[7.T^=6:<<5-MZS^&VZ[ZBF;7NU6?B*JS0P]\W!IU\L7.^=V%<^GB])5/
\'SO(>=8K;7K%%-M6'=^&&V[9CDZ/XRZ=\|/MUM0P9Q+.EL]WRZ.ZFCNZ-'W=CTM&-WS6P"!*>&-
M@PI^&ED(,&P27ENK$(U/\7.ZP'P_MLW!5R'7)//CQ-:O;"'A"V;.3SVND0Q8-MV8+/J.Y!GC,#YXK2!S_@"_7(5&$D:D3-
MD;CHD@4L6#5Z8T/.SVL,VYW^OE[-MKU^RK/@PC-#["OR\A>/@1#D+_D'8T-K)/R939*6.I0Z2K#O-*1QSNXI!F9+1
ME#"MZ4L[#J]]P-Z%IYT8,,4_P)$X^U^"X!?P\S?-M6BOX)EI7-QS-1S!;G0(O(1^""Q(Z39D4222.**
%U>@VK#LB]7@N+U5UUM.E^BP0'$2H)3<=-M$IA&$_U9T4Z6\]E?(O-+#^*V8N-;0&K<CA.N,"<8/1IU,ZL8&<"-M#++,
VLIV8]S>?3'E]:.*N&%%K7(#<)%*I^:_/K)*HS-X5@1++!TRL7!_\8K-M@Z)62PZ^:
(F&,VLJ;IR;VZO4&D_/*Z\8ZSGOE<9Z=..7LBC7M&0.W5!@AU.0-M9'0C1U,D_!46#D_B"/Q^#V!RGA_
*IU5Y1OQX)+HWRVM=;6ALF'XU$NM@<_M"N56PKQM68/#/()&%\TUL+P?,NB"Z57(K?@K65F3^M,4C=)82T;
(L,9\$@G;MPQB.I)#D2";@2MH8I>2C64R-P[!<-0-*<^&)P$(//ECY="FSBN&O,->O<,*2-M0/?C#^CSJ0[&0Y!?
MO_AR;YH\#0.%XQ3+$Y]:6]7>#G+G6X-MZR*5K\Z)-0U4YEWP?4?)(+>8HT$*CLJEL#+
M$_A.T(4+WC/#LO%B!+]L@6A5=]'PK9?D^].M!7PQ<25^T*<,BGM1MPMYF:/=-MK^C7,&\LEV+5EPLA(KV:
7*NS;#K9,%\ID+3-\%/:H2$\ZBP,(WJ#P"D,54-M'JC,%;80$0@+MC%T;+I[M*XLQ\65G(%J.
N!%/HC5$<2,!T=KDQ+YV),J*-0-M..'/V,=E2%P-JBZ15406C$J>$#-,V0CIT#BL:X6A,W.8+)_$E7-,[DT2E^T
M<$#_!]/%.IF03DY]CJ5O#PPJHG-WI7F*VGO@S=FM;/%55'D7DQ;=.&PE!)DP-M*X.](?;-->#QR29ZT*TA$857X:
I3O4%+^^_^]1+&Q,$2>"N8+XU(-EGHP"&R-M-EE_C2_13%5\#"ATILTCMWJEV?&W:.!M<#79)@4[QOJ\NVW;$B5?
313"2"2O-MWJSEMM&N_0IFVLI!6.N\+!QM"KV_,8Q78@<0JO04RSI6H7BI_GAE.^'*M=8O-M'8_D"#WT*FM"%J"GD8W
7Z$V:_B"++^3^AT<]M&HJ4>ZV]#D]$AV6P0[!8Z='PRUL-M=J!&:[N$,E#Q6*TG#]%4[;&W67I4791ZO1WECGH?
I<0OK7[G='XG/=%.O>59-M<]0>U5&KT'_P%D=M3$>M]UAZD#=-'K3EJ^:-6H3O@S8_:N',GS0&;HU8/CFN.
MVCY'K;^C'OQ-1\WDHY8O=JWA410]!/\-?F>?C5X&5-M4S8';0[#)H?8A^P/;:6B[RGH:-1+A!,>G>'1IO?9?\1A1(E?
AY24Y[65E/^J-M*BDQ?=9A"H&$?$L4F0MOZHCM.7GCHIR\<4%.7F;(EJ&]C[B!,YL^.=8D@5Z]-MD1BE-Q=-
J'O4O+VB76+[TL9#0HMX2;G%W*,P0ZU3$[&4;.6[+B%4P,EFRQ^W-M*8Q7(%^376^AO9-
BIK:,>&7+##%!C0_C,)18Z9QQK1&%$QLU+G(\0HLV?I<8-MJEGQD2:!)B*&'D&XA@\P/\LG/V3ZS'#A1^[-
J;E!*RN<;>^R/V6!-GZ*]*-M5X#D#:>!0Z#/H8(#29(?D[%/#@_YO7?E!+Z'E-*J?;8BA+(H!G*X+\;2B8'4
M:PAQ\65K%I&9*?HC89CPV-L?E(PK0'6O""(][3)0JF)!PA&[;JUSW0#9^(V-M.;[,WO*K/LDAPJ)Z@_$(7-
N"8ASU7M9P89+Z:?C7F%$*"_%9";;61Y*Y:O_A-M<_\8,-5N]DH9%>!N,).GNYZVG"U6.-M]9Q?7/-&$!>&FZS%T0P?S"_-
F"-L.T^.:*(96'[-,4C\R$9C.3*)DPIU9-M/5M*'&SQ.H7EL6P*?0^^I^(Y2J&V"3!X@_]3YI?52&SQ9N;+YA',-\GNI;F@
MJ[ZT;.HD;-O&PU;H.W-J])4F5P0';\HB$%^]>L32E-E@2]^(*Y<]A-K(\-M;!T&"\&L8T2'@Y'*TZ3.)F;>-1R!"-
G;Z:H(14(YZ6')-$0C(IQ@QB><_L-M'(GIP@.^F&,D1SV3Q1VJ.;=I>?%X3,S1JS##5[!Q(KC"I'4.OZ-M?LAHRP7V-M);!
<4&V9HXZ.1<9N*70IML&K5@_W&HJ8_!N\O?3APO*).(SXPGE-9@G!_\'T6]G;*E@>]NIW.X??Z-M,QG[S>9[MQP[3D-M?
S11C4L*OID+GB@++<+]2L0XBV^0;^JL@F#%)L7\FJR:-M0,>:-U3T(M[;/>2_:HJH-^G614,:QT6K&U[_MP"TYS%P+
[\E$13R/IR?P#=>M-@9**Y-Y-02]6"S-M^]PQ_02D8W*+02QO.QQ^2RN.X"4VMQRQ$!K%==G2\$/]Y*CL!C")U@:WAIK'
M<*+\-/X9P\\"E-&$.@$-GDDZYI;#1^U:QW+\[#H/74G4KD0""D+D%2$^4A2-M!Q0,S,";XR<+ZR\KL,&O4.;;5&]NK
R3]FSBS?!-^()$8.5-$*L"'-8S9[BG-M>V1IURG$-@RC+[-???9#3E[YK%Z'K=CO]HI/Z"PQDAXN8''PVSLP&=*'R7N5)^
MOG2B2-@5@+]8Q"']-V?QR;K&*#[J2B?25@+NRY4?D,8'1IHXC!N-3(JQ+/:%-M8+X8WZ+N.78:4MKYPL3<]U?
@BJ'/HWS#LC5\AJT*1.RXQH6-[EL8!53E"P_$-M090L,G1[61&PN"!Y;CL#Y(U
ZR@G#E<0/JJA1,F"U0Q_FH%\&G12W$]%_2L-M?*_9-KZH;M/%6)[-?*1BIR!#]|_3%S>]U*.?IE]!:/$-99#XZ30#!D4^CIT
M@'K#?GG_!1$7"-V[G2IVS1V6=B]XKL>@*I)X9^OA6\T;$94+HGHW(_'=3A6<-M\'RV:$)ADCX@<-B,DJ7;"
(*4"M/1#3HM]W<@\MUR3>,B[^Z&U+_3F9J=PIGJ-MU-=CS'(Q()-55\INPH@=NX+83+PVG*I3+$V-V*$;-W,A+/
M[%>6>)2B@6$;]&_@9S+PG1S-&^S&<,\TC:*U)I6[QEE\EI6$V*+*<\W9C-"
M7G,PIB*B9_)0>866,S03)$E%/7Q\%2!X9Y25P+LA9X\=<2MV9?DJR/(4*>=:MA5F!*3D-
]6RY&Z@GG84AB;B^QM&K3%Y@-X$'^RZ;@-;A^']#J-O-M[G">X!B96^R$)$N>8ZDA;DM+"V/
MHW:*GF'LY@Q9[3E%MC9[55.<7R;N@_G^46%4(W6\-M:=VII;2Q7!4_@?+VRUOS&-J]&5\P>XVAF0SANZ*=S
MUB++=*B22S"FOB231E$)@\Z=37_SDQP"N@.CY-?Y<,%938$^C?0V.!6,*HAW-M,W_@C0-!YG$"'0W#-PT;R;8;+6$8@-
=P?5A#($4-"IK84VFQ.']E8&S2)R>*-MF?9XK_AOD9?)Z?-%M"$DN,145MDC"!B7Y%^YS@_AKJ7;R@Y/"V8:..PF2N;L-M8
XUFH5V?<1_<1#^HV>+I<>WN[5(G\-C6(;7)-M-/)37",.EUM1%KA;;^Q&TN;"G?H6?,\-QK1EE$'I"2V!$M,:PG0J%,+-/=A*
MFZLA.TT#<.[.'*8JL=5$1-=">)D)X:KR4Z#G7W+S&')!()[2O?$!-**W_P*$GR&JOF[#WJ!X"!]ST;B4]$'-;X#)6-2
MM+TYTB/44287VA5SOAC%1#SX@+4^9SW;VEV72AI^N9>(Z]VEB*,17SH1N)G3-MG3)F6TK[[\
$L,A_PK)M6.BH#2V>78&#CU?9DI%]3*Y96.X,-6P8-M!U?.%:8BTNUV&*D^M;!"@:D[H8H,PNYW"RN*\"
(($VM5(A%E"DB/1C$!L-L0-M@UB-CPVL;-U\\L9G0Q%>^$_,K?7FD11*;T%9AL(J0E*E9-9&)/1<77XW+-MBTMZ[-
]@0K@KWY>W8.JG^E1P,%CG&N;"JCBQWLQB&/,CL.36'<5(D4I%H5:*-M=\M=!SL>WZS8-;Y-N+H3"S8=O
K86;==I^EK,9!C[.RS%*,ZS2_&4_L\N077-MLG0V,E$C-H3*=]ER&2OGX],.C^S3G@_(4
MLB*5=O;O\,XTGO6/.$2'MV6\B4.'NG8@XWSE>HQR*XA2;/5"\>)ET.LY5EW3-M\9/7T75!.PM,UG)L!_2=V&Q7TC(^?
#/T*NF,A9:R4,0D^<>'-\8')P!!^\WY-M&<(OR")[AAC3;0)@E'90SOQ6K4MM7J95"NT=1FU@Z\66ANO@17LA?W@08NN]
MUR^OK=7W=/S*&]#ME&Q-!@;=".$UAK:.,'4>"NE5X$K@&>"H2&6;V;#I-4S)'%GC3?J1Z^W-
G,5&F#]%J)&RI=7%L8D?WN4VK^5[30-MBH*#7?/)ZW]^NO-
EQ7D.=L"GJ'1B4$HDLM/9%H8LNY@,7=!YF4)BCKJU5I&W-MBE/=U=FQXE1[3UYW]YAJ__1ZR7WRIS\6@@,"(%M(?*
(U)RL6+P3XY2ML%D:2-M\IB:]PN6R5Y)O.J.$A!%\T_$O]*XV=]L*%^+"V)!2U*@=@;^$3:RLAU&2(%O-M40E+M?
R;3]=#GHRN3.FX?Q<_K3!3D*#'*R@>HC38VOCV_:-Q85]AD-LF^XV:-MQL,>DO.%GR1SY*
[OX.]@5VP60>ET08J).25O6/GWXHLFJ3C\C,60@?$U#J8+-M*Q3&%T052H(LFV14-VP$6C_-T3+^X>.[+V'Y/U
>PPYQ#RD[GLKPO"H'+!^;-M3%KVJR_9.9UC_,7C:P%=-^,;O_*("5'-V0R%^$'>(C>ST+MY:*):._[Y&H*
M13RX#9X3+^EV1,U@M@QCP8@J?!9*_97G*'X@GJ-D"F0=H'J[OH@V-M;+J*JFRX\%P8'J.VS'X21&<$
H51:%41P^J0*HI%J*D]>/^,JW.R2B]9-D8*-MN*%A-_'[?2YP7V^ZSC(^.-2C:AC-1RM7E&P@R_ST2E">/E7,A#
<@TOJ2ZP?S>!5G6!7.[]()-M0RP6R*K[')%I1U>!^".VD7LVR7-R]>]D#!S72<*[/'DEIO9CR1<)"AT!>74"-M1[Z5'
(.R[K6=1@[6/+*NR.OZ#0C>V%AA2@*%I_:.$XP5DN@/A%7BN/M3Q!E
M:\3NAQS%&W)4M9E8SWIH%XN%5GQ))6\R,Q4P+244T[+:EA%:,Q&Q:ED(RXTP-MT@.*R%_SM8*Z@\.:Z"@
^:MVO(W1.Y>+K_&8#*!=A5'OC.^*&EFVE*N#=HA-M>H/4"?;4G2>SSYB^(-OD06AMU-KZ$U>%:O$K$-Q('N"-NU.

<4XF+< MC9V-E.NDCXIWY&L<8!O+2!GQE5),F KY5!RUL5(.%^:])%:04AD23O?/F/0 M-4%+U 0V>ML% [&TO!: [.1+>'LV$A7F:_IC,3X0NTY MF,ORWB)\P-[6)@K"<9Z =.Q\4"@*19E-7*O(VD@R&!+&I*1S@\6S2R*1' MX'$_VFATO(VR12?8TLX'UFCZ.,TT#7:%"9DP/;WO+:TE[;P,:ZUX+;"C_K=(M%WRVX&7Q\OW/E63C:G#PW>ZH(DK]8$<]V9U,$M/'6V;O+I&^\V>IB"LE-U(Z M>!*&K"5NC-XO\QBZN87PSK#9T1HVPY/I@"!L'/ >JE]"#DHJA_'J^:,'[T$U M=T'H*V\Q4@_6\B=\4R$WC9^\/B\HKV0G@^--A%N@*4CDJ@EJ=(Y_Y!E#U=* M#&+3((642,X!"B1,L\Y0Q7598GGBFJ,D5@(C,[%"^'G1Z_*6VK%29#C\@N4R M9(8ENKC.E2YOL F_0G'*E_2<7B&/CAEQ,@+X.2Y$#4K OR0@86B"92JIQ03OK2VN.)1V=7K]";GNU<, MI81W+%OUN&ZW$;2Q'BK1I -5--9<1/0KB8B:)U!?LJ'[!@S=&E3HE1F&FCD> MWL FW+P^R1S";S5*:,'"@LC)R1+I[;AR5+ M3U:N,0>SD<8XA=PR+$%$.)"5>'=L/BIF\T=L'1H'-@RU%#L]!K.O94@1W;LS M#>M[^58U&:2@Y]0I+0T-%T)Q#U1W([2+H(2RXU=FQ$\W_88$-$*R-0DQ7 MR_97JM->TKD#H; <2_OYPO!E;J2$IS:))+L:N@%7^]\"F=3K@R?3?$&A;[+':W@.,OT, K]TW?)6U1*=V:(I#Z*UN/0D)Y/:-H;(E/E>#(<@ :F MDF;5P0/8\2IY9:JFMK4K*7E!-G,"SFF\\@D!6J:R^8$SIPJD)7:"P;6@=:B> M4[_.WJ7)O/'1LM(3XL8KE($1^&X6$'=K [W>X#QC(,BE\4$4,DD] ML0Z^RY?!=OQ&P-9?*7\Q7UEFQX%MK35M>ZZWBE*]\&#IZT1U,%)VVTB$04*Y M]-Y1+5 >F^32$@LU8L:,R?7%*EOW>-.9+%Z[K T"D0)B:>_E8DN6;O%Z-[:: MMI^ R*K?:6?D(4[DS/EYMG!L6W@O<1K]SH9 +_J-^>1UN$GR1('0?])L3RWO M?Q93(R.U W'!^>(LBT.F-!1O47KSN:5K2A^14<\+XAV5R\EVI#W<9HY46';> MF^-F3PIE">F6]<5TRLG4L".S0;XUO53J*7 M\20$,0-;]1ZOJ O:*G?[!6V5X<-\T]!T+(,'NU%74!ZZ7@9=L:\E#:OE 'B>,T] MB:Y5P/6%K3-!M6KF6%+6%RD;:(\Q6H;X.14KA!E#)49E!JY__;*^5GCQIET* ML4V-7'_[VPOK]5'KK[";(DA@ MG(054+C2%LN55N.A92KJX=JJG6S,<0EJ@9*K[\0D^NAA%VT\/1G K*DTWXW MA>UM^MN2%$OFE.TK? @=S&MY@3F5=6 \U]&3UX.V65"GOON#7U@"WG_62XY_ MS>YQ!1.\OS:";? M<]A=,X/&Q8/K[$043;:PFF!A]$^%@20N'"X[TK51]NFQ6 M]A<;1-G 89+Z]<:'T5"%:K1WTBN_O .F55, (6*\E8GG6#\]$9;Z^.W"=VUY*:W06Q._&FTYBJ=, M%#A2.L9893%A=$5"T&*_7D5"8#C.,\:K^ZH2/4O&;C9EDED;B$7__>CM0U(I MX8O%^_C)ZV$^J?*7]!0E* (P;S1F)AK=FFL$=L/HRJN;ED<'\&M-+IM(_6A$T7PCL$2DALNSW+7F+(,ASAU3-^J MEKN,VI)63J>8^K71BL44>/9[^]MV+[K(K(Y6 ,2MC[UM%/U(2$$GM=E1>7Y M,"EZ[AWN; (:]/G=? UK+U:NTG:03$FX;M>)%#2K M4SWXDKXZ3 ,X.)K'\1J$:8BR*6=-/.- @\0SLDH68(R83F\''UG11;WQL)Z$(62^J^:B\$O5R+ XKU3BR/*N"[>\!ISUY_@Q2T+ M&4QVQQ_RXP;\"LQ'0W@P9R$"=@,Q=\^+$;J$.EJT-\M[',_S&3RW92P1 >8L M@1=1T%T;W4T,SYG^$(@9(X&^0 2Y,1@I]!=%GV&.V/T#]$F,:277?N#:UTYZ M>V(EN'?/T%$!NYS@3&19L!>*YRU# ^X)2;C"-14OV<3P[QGPK^9R"4T&D+,+0?2UXF-SG4VF[S';$X@]?;8NE,,9UIK%(X WG/GIW.L/-+V[AP@FD %JV.6Z= MQHIF(#=SG=S^A*J1R!6BZ"D 'N6+D1%C4[\V2BKW+,Q--B:^S;D.Q&K\+SD1 MRO'@WC+%,T@?D>/"^^7Z5)#<05.OL%;(R=*$8J(%Z[$ MYDNUG4-@HS0#1? L=GI,4TT_29=0;&9\O_D<"YS%:%&;#A=0]A5XO?TGV&&F:LDDHP6GO2(S+Q7A&*513/+E_><,AVC9!"IQ M"E^9 >)2LAQ3721V%YB%)"?X/C)6AF2Q!H M:'G*$H]0S#G=[(04KCD ^?PARZ..Q^DIQ,R9FQ_?F_OX-P(!9!"-D*8J7-9" M,$T,&M$ 68OOHJ6 .+\AEL '!K:4FYI>NF;#EUPF#/X*:D3DPP2F/CD]B. H ME4IQKDMM-&1)Q'LK\ A2\3)>PA37=;S KMCGX1(Q[X^+ M?4E3D)E09NO\O*..R4985C9"(V5@R7(>/]_Z@(3#[K5&G7[RP]V&6O8U MO59W8.[_= (^U1!)IQAARM]=MH:XT^[^T=JQ098=FGN\/>OGG]U@'ULVD=352 MUB]@ V1VI# (U((KLJ)8RX/6/=IGK_(N9=>4S,.=,ZVGHI6X;%0,L &\SY"(%F;LA@W:N5PWN\I2H"PV=)+9&N-A 4&&'UN MC9)X'/*HI@+_X@1\,5)24F2B/]T>$N":=85&.,"S4\L%$2\+S>U M765?3 W:%HD0R4@K>+)J&-M:(I%XV]KQ=G-X*TG#QIO<<"_TX ?P8&P9?0:3W,KPZ:[2L8]!T\@T3_O:)GGB"N6$ MZJER&/R;$U'*>>M36R=(AUTV)]TN!(_? 0ZVJ02A#&MJ4Y[-W.LARS M7=C9RZY\V15F:*^2FMVFW5)4SNX' ,H7I;MS/$-IE+U<%1PV8HG>;Y[DBK&)EZ];!J4=H#"EP+B+S)_I$O:T5V$;>VSH8>;$/5U_*F 61*A% MNND='JSI5+@8ED)#$E/L1- H[N6(Q^G.:*)#"V]MBLEE=WI@8 M#UK!U*CFM3$Q&A.CDHE1@M^6I+'40YI5-$,^R2@-3EX3^,=%U'J7G0S!&PG" MCUD%8NG$RS!)W>5;\E!VFK4%,!0U5$SJ0E7R5K;37[)IK,_HGH>; .?99!.! M5VEX]<[[/0?S09H&G$8* [)8T9?:I6<'TVW))I]M^A:-7-@)O?]6]IQ$G3;>(AIA$*1>J M"M1MME.A7>>H9,L 6'>#0L>7(8U%U%A$C4746$3W9A'5*0/@BWZY;SP#)>\O ML7S'TY#0CK(IF8EIL1ES> [0EJS5Y$%X4CT'7:KON/U%IE[V_=^/KS>+)#"OK M=1T81&T<75QM3UXHB="PC8;- J"E7ONCY\BM8?.L@68LKYIC1)=3M92L3Q_GT MYN-[XYOV)APB">1(L^'I<$ 52]A3F&_^C,CZ(9+RH^(4K8V#^4DL@/^,-P$W M/>)('\-TPIN?O8\#? R6>R^E2$8G@>\&T0X6:SXPJ.;)WC!09TA[#\!#0ADGR MK#$8#JHNSA4ZS[^.KB8.@Z$Q&+89# &VQ!7>5'#2XT9R"OP"QO!D)]+IFC)& MI*3L;Q?LO4I7!Z52OE R^Q^K3"S9*(DY3E#8MP&O\Y#ZEVAFZVD+VH!KC)S MIL9$>.#'RQRQ#-JW=._5#S") Q'",P62"24FZ\V6IH,DIX2*!:E4BM:-ZXK# M_7W*.EEA7Q$@@G):9KXR$4#Q_10U:%R3-IV5A<-B-I-M%5!+8W0&NU8CVR@H M=.!@S!QNX=ZYCJRIP[H]O$*1JT,V[9KM$24FIJ#I-\O*TLTLV/[. 0:5QI9: MHI8^E%TD+Z33[E4N@OZ.;:O8)3LQJYL[,K&KGSL=F7K!@),"FT297NH<@(0 MH>+,!$&$S$2^A,GG/5- "KBYM)>SX7X*Q/90U2:*2&A.&AM[NC=^%PC09":3= MKXR3 XZ[Y#R,:R'!2G::ZQ>H60!=O-C<)C.L:#@13DOQ[] M^#:"O!'D#SN-\S<$,B/Y>]S+@70>')3O#CG%\2GX50."P[0=K*ZP&19S5]IC M[J)]W%-C]8=5QY+)GH,.E^D]- =OPT98Q*D-3]$TUN7/S5@,7U1:.ME^,J/S0 MX>WC47<.2;&E\)Z"51 MUAH-FUJCXZ-JE32E9( ),+\3.*VC:Z]]FVXG5_0:>"]"Z3J,SC)#O*\4Y#(@ M9"Z2'0H#[>4FWD8KCY/0*B[D9'F3 :5H&XJ8.N@%J42$XOG M# J!,'K(5C(5D-+YSR;6] ?95OH0N1':9##(QY%L?\8.4(X1F"7.#0*@2=4H+76UZ.M0=@),.AV+)G1Z MZ,+)GO2XWQ[=SVH\ [EIXW&SQ'Q\ O<3MQB;(T\!)\L.%!2)8BI'G=<0OV=>N M,19X?X1V.T:$HR+[AQ"+$$473 ^*PM'S(SW/\4TIL#OE]G,F>*M*%[R4T(" MCX' ?9I50(H'].*4,(BGU@IC!B='NR^>+-SK*8!NK>LF4N=W,&> EA=QY(-! M^(.Z=T>$!_N6W#[XG<0,(U*02F;,9/0I/9CE#(AZ1ED)L"A71MB[& F'6X>%G3 %(J!0G+F98K<2QY^\D)#.81A=D'I M4A!NPV<$;[JR)PQA65*!^EF]L;E7%L*G%A&_>6K\8',0FX M?O*<"#^N,>>4H,%F[7\U?>DF*,\[%EZAOMNK4+Q4OWQRG;"E6NM7SH>#4P/ MOK-\NLV?/4B_WE_W.[TAX5? MX25[T>=E0YF=]F \J#14^>?GW5XSJ? N>U+!3_)4:Z@5Q%G,7,#"R^7\]Z3U) M@R\V>AY"-,FLS.?W_A[G!L(Y_OG BHR'Y< MM-@(Z6;HL"=S%*S4%;. <@+NG=>9, 5HGVZRENWRJVT>9Z+U.Z[&R;^'Z'P_; MIHN2Q@A:3; F@_QC0\WOM/84+?5#K;B0V1\JU7JWE0(/E3 -.]V>G78(58S, MSP,_]NPS.<7I5(C9;-NRBZ0MT.Y(HO8[UIJ=88G[FB]PTVFV;72TMW/T*!C MG(+>>7I'B]<7'># [:K7J<:]7K' /LWK\JA(5R@7-KM.F"ZJ&;Q\ZWYYWS89O M&[X].;XU6^?F><.Y#>>>(.<.S6'=.'>'B:ZN)3S? $^6,_AA_U1#N;@B7/P,S M^K_3<0I+4I]*XPG=:FLO%/'UDW;=<;>BK"O>YSO3Q1NO*PS3/-"MZ59U69NM MN:>M&? 2K>F7-UMS3UO1[@^-LS8./HI;E"G^F])<;Z-$/G#FZHW95JZIACD?#'./V#0-C#7,\?.88ML>/E#G(?GI! M&;5U3"8N2^'? N%E,..U*VGIKC<&Q&Q#WY^GO;.>3Z4-=6K+>RI=G Z]<1XO* M9=F^P[78,I M]DXJ[.N0H1YZN[MKU?TX4@U'4EXY"? U@@F4MF>*4GCF@6MR%L&SJW+%]S422 M,%YAZ3*57BF03X2<.;R*0_6\IB?FF+ZZ$FY:(4;H,-XSFRQY'7>*>7+ +T)0H2A M2+#9F!.MJ>(T\%UX(HRY.=D;7Y#0)7R*=_Q/S E; S;3@55-(P,V"?C(F/CV MFN9$\"WT+PGZA$6M@:6UH$(Y;Z"<;YT\9X"71@WPTO&/O)KW497F-06-37ULPTZU8J<'G]G5U,<^ M^JJ7WKA? MYJ7!EJKX=O=?-N]8;Y,P[C\P:/H.';T^/;8>7*EZ8V MMJZ_:@C7U,8VM;%;D Z395?3;=F6-5;;7;FO@[-N*E:KNO6=(]4Z__@ ZA-_M::P>/Q^T;XB?<_(U3$V!VV[UT*Y:G]\PQV-ACFZ_D1P-#()7F_&F&:F!X+:/JU/K[S@ECMC]KNT,]U?ZECI]C"'W M;%>))XEX;UQO1D1JUTZO4.RVI;+;T8/6.F^6,)U/"F*_/V9O MS,V^I$V96KV*KYI)[3NIIDRM*5. [ZS*U4\A5:UID/DCV;5ID9HV1!U)]U-1L M-26 #3O5BIT>? ;+W94 ;N[^8\ONSZV_WC>/W=$-\S.J'/^3JDUI&/BT&+AS MPS2!AH%KM8^/EH$'O5'#P T#GRX#]SMU9."FVJTI$ZP5X9HRP8=15M.O:F\V M!4_WY@HT.U//G1E5M1":G;DO[^-*

(9^;!1UB;&D&]F/?E($UE3ZEN N/MM*G M88X])$?3>+=ACC*$@T?+''O5"-:U[JPX{]BH1(;K GMU*&':7F+&O75PB%P/*
*M'OE\S1M6'6"W3*QQP.WJUKJBZ8%OY'[M#3>V4RWIGK-OLNU]CD&MPGZOW.ZU*
M<]Q:9&3#,A8\U>YW#0_NRX.R=K>F_44?)',6MF9L>+2,1S>:BPYJ4_YZ0]Y
*ME.T#SYOV@8U0>K!"J=LY@=+NK>*J:81[X\+P4IHV]>'['NX/?C"']?U[(83; M="^M6;%S,ZE])]64A3=EX7==%OZ@"-*
(46C?=2W=3J:DU;4J7&W8Z/M6:TN5J M=_]-5[)3[TK6'9W7K2O9,>OE&KX]%;X=-WS;|.WI\>U@>,,_^#0W?UF0''RG?
*MGA^Z,KDI2ZYI=>WQ)UC77S5ER8^B++DRCE-38GE/.W/>M)6MZ,T M#ZCKJYX{G%0+VV*SS')T=T66KG\-*
WU_Y;KQ,LZRU?/$H@)6O_""B=/F"'FM6 M,E]\VH)Q'"]>XHMDCKD/(P;YC'MC984AO T.^'QQI89[;W#PUH>VI,[8[?
*>AQZWRSZ9@Y;?H7LGO-FMT$9T!_TWZ\SNI?;U9A*N ML(L(]S"AR[=]MKQ!/?\J8 L6Q@5L"WBZR=CO*
MOO]VD0Q)M?GR?%W[\$_>HVA=^1$<=MSFP%HY M,!,G /K#<8$CX\/VXV@T&5@MGKJ?KD!YX,(4(MHS%")?
X4@9OW^Z,,__Q[AP MI[X%9WC4?Z4X(EI8$5B5 5:<>O',HBIMXIP<8%,T#_5+OSV
M]^^7Z3;@9"R0;L"#5B!W@=^4C&:|M3S+MEJP%\X4"Z=B(EM(?(2B*=]")LA MIQT'N,&XEHO9C,_?5^*
*5/T]I;4="WTW._.\P"2JDIRI<7 1/L@TGW(5#J8;/ ML"H87# 4L+(ML%87#HW-P^,O-WA*7 G4 \YOF1X4^GP(SP*%-*
*(V'+7PG@2 MBC]C^*V+.%3AU""EX$2AH@W1DFANP"9\AMWJ#J2.P6EO4AE^#P_A*P,8UX%E*
*M*RJWC>^X("I1!L8+_"7,VY$S90KA8ZCZJ*6V5%PPJ=B%!^ X7GR5X+YH8'3 MR,)IC!LXC?NV!(LKU[^AUD6IRF(+^/:*
*['P$_EUF(P.F\KVI?&\JWVM=^7YZ%;>WJE.^=9'RZ=&K*7AO*
M"MY/O>#]J"D6NWV3IF_WXVJZV>OU:]AT\YA5F0T#GQ0#=_LWS)!K&+A6^_AH M&7C8].UN&/B4&;@_K,$?*
O#ERI_P9M#W#%M,\'[.%LL5WE$\LG)ENOSNOFK* M+YOM:;:GV9Z'M3U'*OA_|*7+'S$:<*
*($NZ\4+0,3T2/K&*Y/SY"8=EA'(L' MOC.#8[2X;G9FCYVY*>QBLS-WKBG-8U38/P8W\PO5!DA%B1G1>&?T_.8:\X2M*
ML089JZ8[\\SL/6]VI6Z[TJLJDIN=N:_S,KSWX_+@?$"CU:-X% M7L&HSE:ZJMMH0)%96%:N.UW]?. M5&V>T^S,?*
*46&FU!7?;>FP7^_&\K^[EFNZT\9?&4)*XG"EW<&[JL\?__/'}0H M9.21VC+S-*
Q%&08R(0!C!33'1I@LKF.>KXQZXT.PVZJRF.U,UT[[9F,;(//= MJ5K?6B_[{R2TYUL_6/D!6((J3^B1Y=)VJR9J-*
*WF!]Z4O;UC=WNS,G8OE8W2] M:79FKX+DDTZE92+WZJPOMV)(5C54Y*V0A(2$=1NV'R/ I%K'HZVS/CR!ZGUP*
*M!YVJ"4@'I]"17)CFC#1G9$^#\+PY(\T9:<[(UC*W87-&FC/2G)'#)A_6XHSL MU1SRR&T#MP+L.]A?*
S_.]LU\O+KX:,|>S/&JVLQ16& >B,;7RV/&LNZ-F)E3\S^$\/2#F+J3L%]^;P@Q">FEHQ]MV166(V]O0 JLLV)X[6"X7:
*M:00BQ*X]JL7%6VP0Y*V3IBQ^4A<"?]"CGFP#6/1K:\(=7&"PI1 1]>Y(%^E/ M7-D])&P;[YS93*
*3"PR9.JK<+#AD1_50W*GS1%'Z/7"1;W,#7\"+"_S22R&U[MHQU#W;CB4@ACQR5MRRC$=6@9)4A)+1IB2WVK83OA-*
*Y#ZM=C3?PK&! ../Q< M=J_YEK8S^9*T,I'=;"BQ,!!RBVK>\"P7P-=;!)K<([!W?M?-&K'G6+Z!$K9Z M@B,+VQO&JQ4\ ]L-*
TX"]"6+:.Q["E-S&CYE+PIJ=FIY495^_Q1(VZ7!>.K7,E MC EL 0Q)3#4/! L/3\S]R)'-FG"\$;]F 62#,9$]
N$L)W$0T@.Y%WP(Z*1_M=2T8[0,USY&'_HT53$! T>^M8!9_^ZCN/D(1]S&%^.[NJW"=FORW<"_KK^F M6?
+2'&Y0=M),Q@U!NX/C=:)LV$^QWW!?]L,A73$'?5-/1BQNZO/>NW("W\,5 MP,P_6Q$(I[N4RY7?[AWA5-'.:O:$ZEEE$QR-
KNS2;(5"D?:9T7XDE0E_@IH M9M5F+L8"E/)_/?D/QQZ>]Z;CH34RA=VW!AVK-S9'H\ZD.QD.08';_W=^_N3U M;SZ(JW_]
[87U>@=A[W3W4]M2,^0^)&8A-9YC(0 'L.& @W& V7ORFEH)?@3; M$DC,BL0\.CO .2=OY@.X$X;9.?
*M7S07N9=*8T'A/K0SK,MUR8=N]I&539>K4]LI%B\?G+^C!T;PT;<>W;EH''X381^ M'$Q%;81MT>2WL7J*J'*!CI(3.?*
*592XF':X4+%32TN2MNVN*6FOT^'8SZ_5O MGW8'W?V?['_F(J MV8Q\7=/2E,RG0R_;F%*+5B;*
*M&Q.EK2O@'PRB\V,DOZWIE(J28&)K^@[?=PZN;2"FPKG"CW@.?9Q\(%:68ZO(M1*A'%^,@(%\W#(6DB-*
*DO7NY3\YSFCPV56G)Z*2)0^CE*%3]PA(H4R"CM$M_ MD67ES,/<62&E\X%U!;'0IDI[5!L+L/AD:%%Y;G(?*
RL[:2>0;.V,O>&($DN)8@ M*($:_O0'S&8%+L+"4F;$^8!FI7YO&Z_\%K EK,"%L\\3S-;^*Z-46BZI5""
MTS>=MHDV]-7:X/1M0@/A$,4>%B\:Z__-@E>O"[5V)+B_2X72(%E0-?T+\E\ MM\6C&S! CS8< TSTR!PMME]IU,%G*
M%_$\#B.C.VPEMJUV[*4H/"2U'MR?39Q)G$(J^'T!SG&F(=@S:/!H^87 M(!A2R$Z',>S\DAYA<6'LHT64EMD-QQ\'UERH
?1W D/&(\((8 MFRM@# 9DX= '$7X+PJ80=L$5\= >SG,;AF^"&P+?K?^,]P'L"H,X#90['0$ M5
*#"D=E6/%+FH6OX(AV3\RCP),(Z%LGF&M9\'H@YGC!MG;"&*1VY#<>]VSG7*
*M0RJ;DRAXHI==HN6&OF;PV+D7]+0)0%5$2*3ALGX^25:*I\QE8DL3%,Z23-8HQ<;J'J/*BC!@+/@?;@%*
(7AN$#XA&SLW4=_HM?_=! M?O?< !',)55BWA#9F9QAO: MA4Q06J=PCU(7; 4R&#Q? @&9WC7Z1P9FX4N2?HB\B MA*
*A(=*PM=-S".YH&UE,N_7CC31>9Q-,9)Y\ OP(2)T8G[4DEN?FBUXP3'/><;HS7BP&<)?.^ L@"D&JH$""%-P*
M_>'EX#'AG42H;,_?VY?M_,/PNQ]@V&WB9;A%5F(+FP/7[A9H2/=!^"1J1!V M&G+:>6'Z)!\I&N5/V)OXUZEC#6S[(SW-*
U88.G,/ M7A4N_"#BZQ=IOO'%=HBFZ&??MU/2?4PJ?RY%< 7.![JYTW;+N/Q/.[EZ]=7X MU?4GF$_! [^>!$HL"W;A=
*(*4\0\QF,@,=1("+4;2Y$T8R'A J M\P&Y@%3*Y1D(SYGC*H<..7_Y_FU+B@8$ [T.:8]]+$PB8@-;T.T7R0>^]):=^ZUC6%;.*
((S/._"C@) M'J=R.YA,RYC$$6B&R'"=IC IS"32(O@8/H MT0O2J6UZ:AG/M&U\B0.]L"Q]SH^#S&J05!3:1K<:A+0+?
WH42$]O<)GDMOB3 MUI;H:T^C+04NK-#W*#Q$\H;B/RQY<)6KB+_R03"T:.UX4T_\"'2'(SIU@FF\ M1!-
*@*CU8=)++]I3.5.5ED(3@V>4&X#$H6\%T2(A0_P5]QX,A*5HPDM'T8$'?9 MGP*;P'N!8YF"B2N_M+#$#*
(AE2S2,X$K7L"&>V\9E#.HCG9:4!FDX%,0!UNJRD:$F1T)0MV#SEF8!;_%,_&S M,QF2!QE'64W4=]^ M[8H5&)OB-*
:P@F60O?,KH$BX&XLEPL8),J"XI"2->9@+#&/A:E,OZB^ONCA0; MKB$GU;$+I@I[-74EM2(9@EG-
*2$7,B=8@F>YQL#''GG2(*0(\8>&H&8B9#6-*
LFMD>#>,9S,'ULA1SEF,!S_6LTP$^5ES5"E\A1[^4L0EG1HO:A<@&WXN\FE_1XS)GF*/ASY95-*
*JD<\V01CQ=/'7*0NV.\R& M$@Q2OEE^W8:O7N0_[_7:HZ%9^%6G7?QYV5#FJ-T9]W<-58 UI$C@^9ZH,I%.*
MNS<8W./4[WE2W6%[T-_^\AW8GQ6;HAP5&:@8%JC:HEC1'&E9N2QT[IQ&\N8[
M2)@]EE9P$+808$?'DM.BTR<4Q'N2Z4$2X$L&;^>]0XF7>ZL4=)#(?8;R]J'V@T==S$MN9)7XG82
*MKQC,O+X2K_AV+!%Q\NM;";?=)*D;*USQ$TKUO&U*$O;+'4,O[5_17.*
M^XHO.%6M#@Z;IM=LQG^=I:R$2B&!70%,8,T%W^Y8LYD3J#(.!5SALT-.E1S2 M5*W]32'LC$K?-,R!RMQ4)F>U/<&M
#."Z!.O) AR 7EH[Q2!\"FZ7!;)%H91 MX.=V4KMLLY"-7G[6(;QO&47:YZF\24M1.RI36$=?)-C@IO"FY/0^$Z8GO?Q M*
<%^<'BI&C#2\5:W!2HIR0IUDA5MXH.8W?&-\4',SN!V>$FH#C +O%<&#[)9 M6R_OO*D\RG8PF2F4P$O:LQI0+SQ@3?
%"'YZP&/5&YHY1FMU[#S9&%\#'X%% M._@@Q_,X>%_+X1P^9,K&-;'NKP8,WPC?9!B1(D:S>=4UK::S%2DD0[HO2Y*
M<(F5A[^W_]G& LT8TWLX33XIB2J8\$)U$:>%0.G?:.K5%C^A>VOJ(\]D#/Y M\",FG=IPQBA; M?*
*[:^Q0,M&I';:F!NR@%4#]CJP!>W/THI^F!JRI =M6 Y87 MP,>1M# A1*HY^P0V&4K2E#-/399^1_H& C.)*2^.BH2?4?*
*(KU[4LE['G3&7F M'L&&I?X=YK;*AYZG)18R*Y#M DZI(W@(F>E.V>]48*VG R)&!!C>B.(0@:6!*
M]5.2QJZDL38^>I3]^2V-RJM_:M,8-5R8#_!?[C+#.A"[%B3)L...!VWC0_EK M)" C#*
*(SP(W*A]!N2C$CZ(/\Y\MBB@487^<_*B8VYG[+/-\DG',>P<\$#IPIJQ L5';N #3 M,,_),VQND8-*
XU)@8DZK#F+$,+-9+EWUVHFC3$6 +U/K+4]_&OU#%._=8$534H;@N5/$)E6&*.R?*
9,DE>;M%2_P%Q:.3/VAA/$'_Q'^NH5 M!B>0M5ZQ^/#6ZET)[DR+?72LM:*RFU;2,$FB&EJ,#J0CAFW"'%I$3%0I]DQ0S
MT)F>>F5[CW7Z& 1+J%RP$@;2P4"8<60I+"VX5' TU8^OY;NG2D-IN"$=);"K,3..&/$+M.346 PI23IRF_.D6ZS19+)?*
2T'4S31O00!$/" MC$\|'URM1X+4X$9GZ,YIS D_MJFU&-9!@8XDYU'ZAS[YN8P_86Y8]I4(P@PV\+8@+#PT?
4Z_<);@G9/F6_E8IX=OFZXQ)FE%D365]0;.MPD5BNO# $)D3,!&8XY;*JU\;F)0]!7+!^#:/[U)?,I2I<\^!K4+8$*[3)5RO*
MH&CFR??R>&@(7X%&E)0:\#KQ?,-O3SA#5DC)WD7H[ZH!5[ZBKUYG4M;"%3# M10B!$5HS$2&99\]A9&>%3@O,-*
*U@D?/ OXX6 MLKR#V9+53)!I94>V0(MJ85)QB[J*0Y^4'NY05&<&BFHBBSV0_B@"YS]9=(1 MB'1$(>Q$":2%)+*
*:YWEV)=QE,,5[I.AV2VT\\30;#P3@!9+>H6QU'.J/Y^GK MX'0S[MY =K*6ETG;RA/:3P2(F@UY[H+Z&1;0<8*
0_S%&NU0O7[4%=I"],9>8Z*AX' M4C^K3:APS4EKSJC$GD06F!-PTKEVC&\'K)]4 P=FA^6I31=+; CF9S#(Y8+E*
M'KK,D:#V"7B.MIT"5)S&KR^02P1EP(_W8@X<%7AAJU5?2>(2"=DL0E_^C]$%O+/8OL_ M]-T,^J'"F+_61] M[(X(PZ
XU>R+5C8RT,HHRA8B4(=C N3-<%DU6P@-38U=7I-7;>\I@ZGZ]C_ M]62/:&"G]Z2IQ#M&6#&-O?;:QK\0=X*

*<>2G;_D6&*O_['9Y<[N0IPPM2;;ZKBK?C-CQ)?K&"J^S+I\,GQ%[AK&_MMQ,M)_6>5_1OJ '*:%Z^;OTVDE]1P6P M"@:G.!?&3HDTU8FT2HA$MK6- "YL?2&$0VB8/>O,'#R3*/KFP);_DE]\$])# M:@A(^&K\T"S9FB-,'79B4AVFA=AZ7K($F@E^K.U9/G ML+N)>4WXKQ[LL&1H ZFC;?PWH@[8-O5>%4,.TLY-A/ 0#5#S(1RUR*F^2#V(M*Q>IP ++,7R9'>A%6BQ-(5:0^<9H'Q(L:0T^T@^$AT"?/.!8M#YO6=["\4Q MWJ$XQD=3'%\OOGTW/GZDRPO3?&5\^? [W]]^,C[!]^/+M\\7WCU]^N_&BS>X) M:$NS;7PB!_]KZN#77*(TJ2@'341H>E0_=@XXX524O67Q8(LLKE?:;D8Z7[3) MNT1\)@PCUC@#>6\[25DEB<&4)(YF J8()X3 M3#Y0T">@I(4S,!)ZT6?[T%*YZ?&"L:W;;QN\?0KN3)7%JR[^E[QCS< M"#+_SJG/T] X29Z5^$5DFE/8,^EGI%_54J@=8ZU:F'R3UW8D.^@.@++\RS+3 M7R8Z[S30E/IML]<[% ([0>35$HE)PHUZ[-ZK=I,RV>5[\U1$G-6B?#\9UF]2H M/32W3VI'Q?)^I:LW^]4=(5#=YZ7'>)=6, ?H,U-D:R.Z? Y<812=&G^\^7G7_M%E/Q(4C]2T1D#8VQJF]40[DRREUP51[F%$_A_V/K0F V)N"=^"(HY?:86<%= M)AHI9[VV6:!#,0V1_<%GYO-FLV]Z3#"L3N8^6I/J&AR,=Q\S K'**D$X_DI8 MSF"[?V7,V; A>ND)2UO6&>_05 R,_Z;&?.D&4,@9H>S_5T3&&Z%MR.\)X'6. MXL8S\+9@NBYF4#P_T;/ZK%MT7.\)!.58D).2+;#)CVF03"X*8<.*JZ(\=9[Z _.@:DY%'7C(8KVC'X7QFMOYD5LP\ X#:V*:#= MB0BNH3EH#8#C>:+R^SXH4V\1?VZVA\/#GXEZ'XA:RG[OGA^8[22? M/D/I^+([6FUHSI[9'AR^BF#8WDQ"*F* \B2D??,%[Y]I-^@)#FT/R??^)U6F M<^$"@P:%A,E47ME1VXWIWGACND?;F& [9QJ2]-,QSLHK-3(&W826ID@S(%X7& M&]*;(:6" 076EEQM/ 9F9E2M.[S.>X<"J,1_]2$^_Y!^I5EDX M? KSB_@FM0:>CT@(5,$(*">''$:)\$N\ MBM@;/6%;R>[1JB+)MN.M;1LYTM86.(&F#?KB'S'(.B47B^% =JF(I]U61Y/I M2?.:D@+(,K:1Z(\P!W_.P'4)VVJF[)# M%9W14JOUWISL;DM72\>S#)^\SJKN9'?+%;B&_60L$"LI0^Y^YSQ95LA5!PP] MFU;&ZD.S\D;F9'3('M[6*A')&TVTBA([4S!OY[LF:T.@9Q2FP[11UQ#4 M^LL)%P@"3H7]""V)O([_15:;@K:P4ZQ6!) ? WNAI2!>_97P%&ZU;@H!P5Z@=)].A8MPM3#MG$UGS0.AX.]3]%QZ M#<'K:B^B? 82GG1!+]PENDE#1'0FMK>KE2Y7#@38H1_H6T7Z)2*V([X7PI8$-:P]U./:6#G6:@P)O20!Y3/II,-VP>89C*V#@ M+- L3T1+8:F[7I6\#_ 1KQQ&WV_"2*BAU" *"40>B^PK5E!IQ36,LV6$2J/: MI<). J6& <;B2O+7T;0:YQO%%L'0\FIF.FZIZ&JP001U7 (1M,#]UA(!>+TN. M&V)^=LV[Q/Q4/X5%3L^ < B"_))AB-='HMLN0- "BJ;XZ.DK$+I"681MD^L*9 M@']]*ZR+ ^T5U&(_;H\ZH*JB#V6T/>L.#U/*?#}K=X798@'OM/KX-)O>N?,[. MOFA2F9,AF- M>'7V""TBE>1-$J?/GBQ?7U=1OFV9[[5R\N0!..!]]?""MN!2^P MC\6+?O?>=Q;RGWXY>@H1?)(V +\D6_NBAOD/C#.MNR5J\8&M1]IMDRXQ@^_U@ MY0>JN0KL#YAO:)R",2&EE(%T+7/7WLI&.!O@2.=G_S08CPW+*E2GZ_9!4AJ- MTWJOIQ5/6/?_NG_"IJE3UKWE*;O- 1A[CE.%Y 78?%?(,B^ M<:'<)/)R/CM@6@O7^*U-<+96%*Q;\DBP=RHKJ <'.1J-(CO.T>B9VLGH/3;M M\Q8G,DLZ3X([B7WD]DR0Y*B$9JV[+54S)&.B'UOB,*X&/QW^7;OQ\B,;CV:]6W^[OU M$QO;K<&]D_WFC,OI0BRMA"$?H2!Z>_'IT0FB D9X:[E3V?'. ^.1X/S"?Z5!L M<6IG!MGBW?L/C7SPC'? 8"\>Y$ZXXM0.$7/'IXDTC+(5K(EP&S$!#/'UV_M& M3'C&5P8]OQOU<6J'Q^QLQ/2.'D!]12C>8O>$?1SJ;6;@E;7JXN"$ MV#,1J_;<=4&'A7\E&2.[T.Y;!F?51=SV06?59X[JE:9Y0.GEALF]U1>4JO&\ M71"]V%YD<)\9#84WWK5) <^@?)LVA_ZA;FYK=[&G/;&E)DNPQ4AJV12\O/_[Z MV\7WW[^]O]PGPQ57?"26_:I%[#B55,O:NDEG1WS@& [4^"7!8S&2T,8>6@C-V MIBTT-K$61@A[C.E5'D5N)F)AN3/N_2@X'U#^ +/'1.QACA>.EZ;8[M5]39+X M%%)&^N? M<:=:=XM;#'5;.Z1R(=NIV3&Y#(./WK30E-M0AR97;-6B/O AVYF9 M#/U'X9:^"%\8_Q2>\:MC3? W)1!S$WRRMD.U41\,X'FG WA:W\40?!A4.QQR/ M3=BGS;;_F_JI@$/O8 DN9HT=-*QS6_E>>TJ6-"AOV+$*$9]]#I)"AA0P(J -I6 M?_WB@*1$B1< DMSE+IV76"3.!^!\![=S /"G?SS'D?>(N2",GO4.WNWW/$Q] M%A Z.>M]> [CN_]C[QZ>G&+O M%\;_DT?D#2,D0\;C?O^3%KM@LSDGDZGT#OBS.!7^%,? (4U6CXO19G/6F4LY.]_:>GI[>/1V]8WRR=[B_M?[#WZY?;D4[:R])&A'Y?2? T\YE&>_F@/7H^1P'GRZ5.\DGK*GF(LW_DLWH.Z M[A\?[>=) 8@T0!,J)*+^ CJOO"_G,RP.JH74^SUX#QGM]_MV+D8FZ52,ZM["DHM< $CXX)*AP/Z["7O<\UE")9_; MM,$JD?R'2^M; 0LP<C+,9YI)@41S_-,"4XU!)/\7]O*_^?<;Q.U60 M/$4)?[4!PFN5 19JM-#5O5W6)X< &SSK"45#A%,-M;CZ 0Y=JZ]$"""7_#Y6/ MT-BU\DH$1__K]?91Y%IO)>(GT28F#^(/ZKU'@K/>!5-3]YX'S[[=W]1-I'2. M:=(<*T=;&M^G?? WOP.LOY_A]3TO]M+>>=@TE$3BXHY_TW^NM.1/.DC0(K]G$ M6FZU_52*90]SU34H=*0*KN>N++Q@5+" (!+#*N5/6HLFHJ2@$B8QMIHW0&O M@9J3DP^'!Q^_F@7>RM\L](KHWA+>>[/(X.^O-%ZP6-5KBJD@C_A&+7- CO!L^ M&X&-Q!Y:$[N2CY=FU%&*BWHY1Q&L(D93C*4CH688(WU';_2M,)9A>AKTE:IJ M'0\15[6;8DE4>7? $VRJFD<3W&Y'HO5G)IDNDUO6$2$RO(_:THX&R LY(Y0?[M[E2A>QJ^HRVSJ/4IHA,L""UJZ.J/A,CY%E3:@!H)/6XD-,W" (W25VS275UYM M*-B@_]TJ!R/C'W?#>(>[YW,DB&#AL%).V*K!(U_0BK1B+\B(F$8_5#HP!9 M19P.J? \>^ZKPT7P0L)FR1$2#_,F-$ D.!KYV.!(Z^9PH\]6NR M3EX.Z66Y>"J;Y<,T(V^9DY=GU2%^1W@"W=$- A4BG0^NJD#/Q<[R_SD\&XA50 M.J3Z>RPD3WR9<&5[RC+O5/?.U9C U9A@VX@:$(QT')2;2P%.MQ4-Z&6(':)F M" (X)1G.5#IE2C!IZN1ZZSS%5>4E+CNR@C&0=KI.5X19H6H7VF9_U"+=TC+5XA3U5.+ (>8CU45CU15CWOF7"LGF888Q$';\35<#,Q_D5ISS M=H@I6!:01S2.["=? 2P&C]C]6+4TRZ0XI^88^@J>%$_MQ82E@5')I\5Z0[I"2 MAXN8_S!"5 K5_8)':0:S0FH['S*!&,DH+ <;7B&^]%/.M'AD6L&\]VJE)TBU& MPK8=9&E-6O]86F*G@AW2ZB4>6Y]X3FG4:&F5#&(=TNH54#M$TJ6:L E)I-*- I>T7!(S* M+RUR"](=4O(%TUYBK P-"UC/$*GM+'?MW!(T)A&1UI,;%T C2:5%\0KZ6Z^ M7_ 9%;+H$).C9"SP'XFJP-6C? 2=6DC)R4EH<+R&\%*-#2J^(QPU91'SKYM($ MT$S%^_?E8;PRL.>]R1&[%&(MQW(>'- ;!M=)&3DJ#>D4\R'N3HG6)CZ:PC@LS M%CA&CDICOR%(U6^K(\+L2Y !H9+$T,K"-'7>2R,@[DPET3@)&KTH2A(9S4 M178*82(73LIB1B9*[O)BC*F+JF\.%+FP885D)*CD4;<(/'61-V/HR(4Z6S C M>R57O4TTJHOT%4(8;CW>NIB1DI+#OH#11 M142FB\Q5>"TOL40DVMSKFRV_(@YGS1^Q$ST6.$:: MRF&""C]HWUL OQ*FRY)=#D G]U@DD52-Y![##3?0Q62IQ999&GEV4*[769;2XE7JU ER5[LM":FA.'1$I6/%&7^F[&6 GA@B]H2^/80^PS-6^)B/[%P@LT(Q)% MV@,;Z!T/VYJ-0PY&\RBY4:K-8S5+??0TS=0KYOIJ >GLB@@TF7 \R?BYQX^8 M)G@_X+^S?@5#;X@_AW+$>:/.-C2%C;*RV@5)4],M56L9IZ.,CI[;SSW=_$\ M50(O+8*7EJ&3- M(41VUZYV0KO1L0VV(45G$L_(KE$'/" N)GKR^4C),A[3A/HPF5 M?'_V6TKZWK(<,.6 C0QY4?)4'A3FU7CJB-QLE- D,VF@*6^PNZOK 4[E3J/A0 M_72BV 702*S35J2UM]G^I%=.4PHV:[!V4$8>2U['9AZ[W20++KK-2&L",%)5 MN5FH=O'GD+-' L.-V\3;#LK(5\5YXQ6^EC^])7HGN6O>\K?N$2VX MJ;ZI#,&C'L\2B2%ZZ2O12Q(E<#/? <.3$^DL7PF@O);^K']WQ#28Q(?]DE/.SB2Z/1(TDS#P?1Q!& P' M^NT]GB757]CH7?ASZ:=SG%O;@1EIJKCE;;D???57 MP;780/O.D.%5@?4#+#D&] M$I+K]/>#K2A1XJ^D;$;?*,!E'Q-^HC91%C6147LD(LQ(-U6TFP!9O&:+7R,\Z M=V=&ZB&,S%2?U^O[NH4 IK<$[2Q%%QP'1&:*F#O34RUNI*9\B6-*30J7\S+O M+BLLCC&'$ZM#I"9- [K14RQMY*;FY)X&["0QAK/*3B198AD)*_F[K X^_M=Y"\PBVQ;JV1+&25*H!T4OD.=\LZD;,.!KI&\DGO)]>K:3C*\? AVMVU&T M&F$C5^43A^M7VOZ_D_'3WK,X1;,9H2&#)^EO2EE:=OU(/<%1NMT9J)H^Q;_ M3#G&0S6B@[^=2=4\$OSPQ!ZF+('&_"DGL^_$HJ_X'B,><]#8S5\(%^>]=0H M@GL>13$^ZSG#4!)%$-K,89['/"*G, [WE'BIUU@L2KDO>\X3B$OI,^/69LV1V MUDN3$XGCGB?3Y)+WX2]QF3F%%EZGQNUL!GI2<(M[M_1PL D[L+4'S>@P7DB%&D"]B-&20 'QZL.^=0J:&?X6^C/URN)%U)@]8F5 MKXS"820"'7QVMT8Q9L*4F,^ ^H\2_8'S&TNROZ"/AC$(J%-V-(Y*>W!7-/88[M3ANZC,*>C&&VMVDP45T?)&]NKXUD&VKX@)Y_PXB+P_V#? =6KLV0R57\>&KK_ M9J&7]Y=UM=)98,'+FO8XJH_YIJK N'1_PE'VL819!'QX%WHG^!0OM"AHFO6= MW"Z@S1HB:MF&J/QKN[?5/;YW59="7',6YW>_/*Q<,J(OU7K S_(\TM_]JU'? M3O- XR18D\VS,>KNB$S6L#3D+U$@FLJ(W-Z%&D39T##=43:W!Y@:4)BBZ8(^8 MHPF^)3&87^T,J4FHI4. <;M!J*/83#E^W+ZSH5,.]Q'"%6CX/406D8Y#9!:@/7 MY0VFZ:$1F,N=ZTMZ5*N-D! D)+XNRR"K?Z,F-D3]=&VC1DKED;9 MS!0;:&^2:.]H/2E,V/^-8&BW857ZDGZF:":UFR4;$B[G([B_J[FRVV&V@=I+ M\-OB('/F9-=- P#944>WJ.>BK7(%:.HT>X1E*LX7)+H$A8:QS6/@]1FIB).?G MC 9B$,/*^"Z1,#V M7.M?K:%;>E2>QE8?U*

*+)J'O535W$B:I-K2,?PY_6]N[M,U)NM1M,/A4 MT>D>#;5R^T8#M=!?S@,*0&LE_TM6N[URSAAK7"UKAML()T6\8@^'!('>3 V':M18KQ8Q=W31DQK&&QO1-AAE,IM% M!/.T=\':M8+BA3<<.E/U!C)5S8SX.(TAU%OMAG O%1/-A"SF1;JOT%W,>N]R MHU9966T&B9PR-1."8--6F+GT;FO8RUF6WR[A:H WDU&P@ROM7F-F.GM!,Q[*0 MW{QW9R.L__(&I6^CRXU"86:Y%ACKHB7!]N:,!&JVTOR2),@\5-N)>P@93CP+2BWA+U!9FU7DQ?/4.W MEQ QU9_Z#""D=(5X-"_,SH8-<#4CT,B<1 M?-QYX23Z&4?!0,UV(KBC62VX:YFV$VZG7_L>G/3ZU">DJ7YKVO-DYZ3:" M;(-.%@[P?&:9?5 H"R76!Q]-PJS8LX[@NX;=!..2X\0A&VWW5L+=_.L=4F+)Y6 MYI*CI_H;+YQQVJF.6SR-$3WG#";"0KL>T@4/BJX2V-%X>WYS97."9@.@-K2& MK/6B"89#3T*M_CXS%H@1B^KC HTR?W&(65]N(_PICM&G'_X#4$L#!!0 (M $"*_E@NZ)(7"2, $E0 0 4 :'=M+3(P,C0P-C,P7V-A;"YX;6SE?5MS M&SF2[OO\"T\^KP=MW"\=,[.A]J77$9ZQP_:Z)Z)8IDJKZD/D5,A-(9/[Y/SY?3I]\A+9KYK.__,1^IC\]@5F< MIV9V_I>?_O'A);$__<=?__2G/_\;0O[KUW>OGSR?Q^4ES!9/GK7@%Y">?&H6 M%T\6%_#D]WG[S^:C?_)VZA=YWEX2\M?^SY[-K[ZTS?G%X@FG7&Z^MOFT_27R MS"%1(,)G1J3WF7A-(S&:6>]2]BJG_W?^BP/!G?..9$B&2.$U"<)XHD7.V%GV]+_^]OI]O(!+3YI9M_"S M6&[0-;]T_9NOY]$O>JE_%]>3.[]1?B.;KY'R%F&<"/;SYR[!]-<_/7FR$D<[MG\([R$_*O_]X]^K:+2_FGRYA\7.<7SXM'S]]OT"]%A7/\[/YK)M/FU04_>8* MVAYOMYSY96KP+1Q-?_7%EROXRT]=^Z263<,)\4D=ED(GF(Q/%86,Q#<(HFFN4- M$>+X.AQ@K_?LN] K?WV/IT6X3V&ZZ#;O].+N17T/C)5L#Q_9._@(LR6\;.>7 M*-A%Z^/B=YP&GBV[!=ZA??$Y3I=E!CGK.L#_T@?_>>*$C-%F0YR3G$AG'7&_M>@+1&T=MI#*%RB,_ .9UR6SQ[JR-3^9M@A8GR9^>?((RH:WGRQ5FW\9;A+S^MK*Z_\;1;7E[VUR1(O+-_FW^3QU9[/T M'MJ/382O\)[#50NQZ26(KZ?0JV>6SB[G[:+Y5__^1-DD,I6:&)\QXKL^UXU/N0CW\C'_FAV'=BI58CXWN8XD?GO\$,Y3$MD-)E,VNZ M19'.1QS!%2[C]D.U#*O&C MDFH Y50CSCOH "]S@:B>X\P[G5\55V0#23&>G.&)1)<\NK.&FLA*&%LB"< M,9)7-X?W -J')O)'I4D]551CQ_:$=W.>HPXX8Q@,<6DDD88QXEE4A"O%+4<; M["6KS(U[X.S##/6C,J.6&FK.&HMV&1?+%@?Y[,*WY]!-1-+*YDB)B%$0J7G M$5I%HK8T\TB9BK[^9'$+QSY,T#\J$XX6?#4*?!O0QE5O9DL$]2UN_17RO(75M]]!+A^[%9[1X](%FYMLOKU!NW=_G^"DZ^?/>0+Z:+:#% 4Z$298IEXE*^$." M!.*T_^*5"]9KD#&+RDP:<#C'2OHWW\RZ@@RZ-S.*5YZV707Q3B\R<\A+"8V M^F"YE01,H$0JCO&/,.A#&!T9* @IJLKR^BZH,<6H8^'JS:>YKF:K/=HXTOGU-M>6OCA+BLM#7,XRC(Z@FC@:$]$H@*PIE2;2RD2[$\P#X]!_2X+5T60U8NVR MAC)9*A-0M%8IHF2'S0FFCI%$A-O>6I,J6^N];XW?CSWY),QVJOHNNQ&LV: MR]LDGW@,AAQ/C CO#$Z80A,C2*&TT$YIU/ROG94<@^<4<6K8^55+776LW^P MV*(X<$^-LI8P[AV1#*-OIYPE,+SRZQ&I7'0]9^4G5>Z"H.^Y0\#]$N!95 M%CCU.Y*,PP$I+4BP)I&LM7!4^ZRL^U'#MJ M*0'/YI=7+5S@$]A\7]O@-R >^\R6)+_F.KE2VPN(!VQUT+L9"L;S(RYVU9 MG<3'9;%HF[!<^#"%#_.WOD7TD\Q1E$IR J+DQ[A@B .+]MP+87-6T21=V]L_M#O+1,<\=MW^.MF &:6T4WD[]K#M+_[WL%D7+^XA2NZ XQ$"LE!C!1::)YRP2 MRY4S6BOC9>W-XZ'&,BH'X)04OQ5BC8$L]<+].T;S$NU,W.A_6VO_04,,-&>=&"7**8G6T:,5XD(2$U+TT07.ZB[BY73^Z3\AG4-90"YOGF5TQ=Y!G/JN:W(3-SN%97"K<0AA MF$G!$IP(I9GWT/D(GSB2=',?:0M1/;ZH]B3*MT8WP$3L2/BBETMX:P$=U$ M*7S,7,@D') MFGN\,\.!0MG?BFA<:0B$BVA=MLSG84+-G6C&%#+6XT,EZ5?<7?Q8]B;.+PAD MHKQ5KAR5Q4D)XUF-6$+(FD0/#!1+.8;ZVX'?[O_G(L?1.,'2[B:CM^V<.6; MM-[,1E/5D_#Z")U%#];C"(W1K"2CX^_*%WU 2D+JCRI45OT>L!YX-N '841M M?50CRNO&AV;.+)J2FBZ221;OS3F&W#+@;&2-PE^%TMG3R)*K[2EOW;[B2#82 MIK:V4"W48S) SY4VS?I?*2L*QYYNK;5M5B+\^:SLN&T!+'D0:XQ1<2Y3M"0)A=&\C)G8E T)T5&MF:4LUPZ2'H9P3 YQ M+:X,J*.Z#O+;>;=H8=&T?>[&[5W<._FJH*@AJ2(*&6@B3A1C(0$S35-+.C: M6?:'HQV3@UV+7R?27YAJQBG96A!1"Z)RHOC0A4A"M4HY$JZ3*7$C!.F^UW1FGC,.?/YX)]SCY#Q)YO3HIM\@B56"YQO(5OB M#>/$HV^87#!40^U$@^]Q>31>>GT&'*FFJDGETV?!58&N'=7AB;*|^N_E-V#KXN%&* 8[@(QS&B4,<,(F2M5 MZ@^)R!/'4+GVTM9N)",UAX=PX*Z-O"-$7XW>+RZOIO,O .]@6I(I=HS4>1:\ MHHHX(TJY$J6)"\X3I;W10F>G1>V%B.^"&]FEK$&.N@JIQI/^,-@-PLJ0."_;MS0ICG%+GUA&;K">&&V6"I9SFVB9R!XR1FL8:7#A6Z'77,7<,KI0C4XB(.&IP M<"R&6/GM1R+ L4(?<@'%*"=YRHRX",4L.?1; T_$!LEDR)) M>NH%E(-BHN7ELO>[]DGPGE@:\0'CE#!?]A2=Q;DX8\AK$N-*1&V,JFW^'@AQ M3%'4D:S9$44-IJR*-3(7OFP9OO#MK)F==UN@RV9B;!83&J/AD$N%-6 (TQP)&\HR M6E22@/5>1.E+F=!5B"W,8PIMJI,@Z/$72^K/J6FC-U/W_HFO9H]\U?-PD\G M*DJN>=0D&8XQ/K!$0F8X1@D>*;^/E9/J-\-94R!56T+4D'X-3-K5_D!VY24 MRFEA)-$.@SN9I"1!Y9+G:S..SE$:.EIST<]B#-WIJG#A9NQ=FIE&-)\F90FOCC:*"ZCE M:\=JQWWUXQN2[5M!^-=%7(T/IC/.IF4XG MD*S0QG(2 $TR>:04E'R32ZJFC7^O^K494M"*89<)M\6:#20"1#NVA%Y$2CQ=519IK,4(FBM]&,R1>MH/1*8J^YMN]GYTV8 MPE<@7[M>?24HLYS:I#$8IIF7'IB&>)DLL2H'SV/*"6HGR>V#:TQ.:@5J5%=% MW:W -:BM?%6F?8X6B 55IBU>SK#Q00PR%+2J,P@=0AO AG3ZG\%&APO[$@N$&NUX#BK6/T>Y/[JC(PS_I<_Z>SEOW\'5 MLHT7OH,W>6N9;@(>D-W*K(Y"2*4C"=J6YLK.>:Z2EZ:VN_E]5*,J6SH0F6Z% M)'5U52]*7>-ZD]^L*U8_;XH@9JF;2.4@&%KV7!E&2M$J8K.+Q*&<@D1C*5WM ML,U[X(RJ?^J)67.L=FHN:D2 U!=#[UG[YJHO@O[B,[2Q01E,LDR)^L2(MZ5! M#FJ8>(4.EXK!EO)AG(K:52R^"VI,D>^IF%-5414W=Z^^4GH[-V-"509G3< I MSY?R*YH25Q*U(EBN-N9Y]I)U'=A&57SF1/1I8I>!C!*!H$6F>$?YA_\)]_M;Q8791L,$:(3]O["M_K^F!]+PB8=:NNL#9C*!A9($D@R:77K!26042:DL,1S7](',+ZR.'Q\$S#X<;!D[>F\=B/61WF^ MCJ72PQNK/D131S](%Y\N[ZY94Q9XWT+;S%,3UY\6BS,1TF99_%HC;-G? M+SASS1A+Z)50+_H]X>+O8FAM$AH-'?%EJ%VE84]H#PQ=_Q"ST!!:J^=:KJA> MCEGW-U%$Q%83GJ?8.WRX4 B<4%">2*D><2T ,4$:9, $=U*$3 VY@&M,>\(D(M4U5-I[-4VR5@0J).JD1QO%F5SC=H2Z4-!)TS[EW6B'" %K1[XQO3CO)83-:A MZAN08%MUL"<*22_+V7A%1A M4ES%F.[O%9C8<(AYA $Y=E:0K#@3AK$YI=ZC4-@FCKAA7E,/*CUN7ZT@TC^8%:NCFN$MV':AF$G@I4"0D*7UND27GPGB'3(Y2(4N&L]*R.'7?W8 MVXM!ISJ6\]A&[&"-58SPKUJ(32\L?#V%=3O0L\O2M^Y?JZTF+KR*5@O" CAT MU%@@P4I.5!(V,2U'UK%[681]<>U'1#[) /9B^]NQHO(-NT2[C8MF6D:YK6C^[M\.TY#M=XFP*@.V:%130IXBLG2T5TK:Q@&!_>.CRR:_?BOGOLQ81'3H>]N551 M3=XU-X:W>]SB2/ KGI*(YE21I9SPP;YRNS9;#D.Y%J\?. MAQK>>:FNU $)N&F65J1@3%*2 B4@2Y[U]-2)38!20 G8G(4%6[\;W3V]J+3 M8^<[#4^G0U54[R2S;V9ETGS30^E6=:(8,\ZAMR5<_UKP+R%XL^:,M'!^ODBI^[6VR]LEXX78R7C"")>V)AX"Q&QB,W0('PC2: M6RMHYFP?'W??^^W%B3_(2O!@>A@Z*7+%W.L"0/=;0>GXKFB9WY)TQ&IEB X8 MJ84LDH4!',]T=5*4?XP/XO_LVQ:N+-H1>G#YF(L*QP\H7LJ L4I7BH2,HV. MR12,KWZD9F]T/T*:Y+'DNBL-N;+NACFEY:?0O*#X MM;0L$EF?F)\P9V/.,9+(><(9AU%BI06"OJE,EBD1H?8RZ(%0?X!LR^JD.X%2 MZU5F1(&4_\N#\!'!]CG[W:)MXQJ8."*]_L;6-U?IH[?-V+J8PXO/\<+/SN$= M#OA%1B]G,;':9NXE/F6B^#K!H5Q5Q'C>">.9S@JCK\K$/>T(3VAU#:5>@=$D MHGM 9-8<^0+E? :G 7U&(57M"GJ'6MW'+5,V8H[O6.X:0OU#.X6[C@\IJYR5 MS)' (TYGZ*L2I\I68FEG%(6(7IR(GM^MZ/"X9NG'I^>QZJ_7\:PW MLZ,$/ G)Q:2X)PIP#%)31H(_^+!Y] IME!C/.#YNF;P?B,<#J7_ "ES7 M-H/]]JRW7L'8^OUE5US)5J>%V[;U\IH.1EE(CUU>65 M;]J^@,!ZCQX#6)X IS)E"F$T.J=!<4FLLSD!! ^T?KN'O>%5R66\?;^)9CBC MAV!)H%:BI^-P*@=0Q$A0.3'I:?5#'G= &5/0-11O=J8Q'JF52ME"'Z'M_/1- M?MO"QV:^[-Z7=]QAA4BA=.GX1#0[I]]T@3N.ORP#KA;Z4 *;]<"5N2^6^+J@UA*165+1MVWE:0OR8,PFE+*9S,2*'N413O0=C*L$9U0GG4Q#K,=18\Y#K]KG_J2^'E.;G ML^9?D-_;W(SM^1(^S-_#8C'MRX1V;&*$M=ID2E))TY7>!3X:+%]SW5NC:[M;D 8TTGJ4W'F&"T,&..M2P)LHIFW"*Z%1=/VC%T3O"N9$/-9H?|]RY9GG_N*"3#DU?:FK["SWM>-0DIJI"&:!HT/KD[$:A:)IT)IS\N*7_US M)OOC&U5>R"#D^KX%K:2] 9VW38/D?O (A@MU0AT:9,D.#J4CC*2+88S^,)Y M5;L*V_V(QK2=]D@4.EA! Y)F^_A4B8Z;>?L>VH_-R@]8E5&99"6EC%83G0O! MHT>7@F9/E,=H)0@5& S0!>< I&/:PGHDDE57Z(#DVP(VL2[9:"4K_?*

T/V,S@:9HV;#NP);@,:TB_1(5#I4/4-.5Q@(^;;QTTT,^^KR$AGM%[". M<'L-?7-_7]TA]?
5SP+TV5&5.4O(9@YQ0.ATS21AST4@0#$<|_,16=4RCJES] M6'/@X['D\1?GJ(J4Z_)\,H6BY*")}U$2#-IM9*! I-
H9YD,NS!WL&-@C<74 MK0ZX'-,O.:S//:X.W2+J[3?QU\/76AYR]>,74@X>2ZW65_/9?)-<<;VZ"O53K)75H=E?E MS9.HM]
MO&.XB;27PD]I:@L24Z8R'6B,=9><[\?T:@J@0_"DHH:&3 $WZIU M__5EG[1?L@*.R&W?
{[K'A]T'X*\4<'^]W5JC:_]T(I6&ON=J3)!+\J<@I3,2
ML0X8C]R@YU'[^-8=4"J4@5I=M]PJS6)_D+S,=*L$Z/5;R&M\N+H)A1PQBA-$ M9.&1SV76HPRE4)H_11N-X
/4^MX;WY@RU6LP9T<]J&%T5;.HV"Z$=PCC;/$2 M4"E^6AK*+_'*7[[]O5_!)3-
%!P0EAU#O]\YZ]/!YP'%X!8XG(ZIWH*XZ@#$E M,)R0CR?0]M"$+?U@YK-BT#%>*.?
7J):9HZB0,5D3R9(G5@=#,I,I1BVI'*)# MQC[0QA3[GY!D1VGHU/19QY\3SI'B1@<2!2!&JQ&C,YHP34%;99+F-X]>G(A%
M:X1C6@IX1#(=HJ\!_?<7OITAMG*ZMZ_EYF=E$?UR/NM;NU\?RCR_FN5YNY)P M.8^[F)>U].6BM,5M(O[1\V:*OZ47;]\?
[OD/C>CXF.&D,JNUO;==EOCL(]ZG M;[0QWP)>6AU#VZWQ3${63 >7"7,FE_K5FCC%%>&6"\&YYS0-6CQZ'Y#'ES-;
M;QSUUWY>-HA0V-W7&KKIOY>;HI?)*Q9,*7V0,-26P2<4!XT$/(LQ"!9BK%T= M9G]TX]KB&Y1JMXN7#:+"@2JRK!_8,K
MLI^PNMT)>7*X'H:APKT#[FW#A"9I;?)_1^&..;?8]GR>%:J$:$WWN90CHKYTK/
MX>_+RP#MF[RV++T;W[U9+KH%>N1EWS](SVC$07H) D/^&$CP./#(K152@_:T M]HFE!T(<2"*W[K-2?
PK:V*1[@TM+G@P:3.DB045F+M%:.EG[T7D0P#&MSP_) MM9N/UG!:K-L-I-B
/O6N3"X]N+/%JJWZ:MKY^[S/PMF(IV3LO9RW&9K^\Z^& M9:*Y]5(Z3K(-I32*B,1:SPG-VKB(LQ)/M9-1:^(?DP4X)4T?
C0,#+IV=Q;B\ M+%>!=6VS^>55"Q?E0/S'WM(=O@:V]Z6/7\PZ;!35:K7%J>^Z)C>Q!UXJD)_- M8[/*IEJG;I8\^/S!?
[Y.EK>^?&,B;1:I!'("%'(!W4IBJ<- #@"]RB!,JK[L M?33H8R?4O0!\S3K;*3:G,E-EN3FST@'$9TIL3()0XYAFPGJ=:]?
C/Q[UF&S\ M:9E[#JJ;I=DC LL470N."V-@!$F"5E@[$O1 M@S;,L:!KETYO+1$HO-:M*XJ=CN7@I!TCFIY-$?XTBA$(
X9]!/M":DK (U MJO;2W&%(QV1 3LG.6ZFEP^OYM";C7MA"8T"@="!:ENR-B-AM*2.G,5[($)SG MLO923F47\9&-
S&-2];3JKV=[#GS"0I#.9T]$2*4&L C$Z$#N+=2,=E31Z!C,/K M=| C-E\,V^]_%93\YA#-OM=N<8QFP/&4.V@S>J&7Y!?
DP3.)9XE\4 CD4*Q MDG8I""2OK*+,)%^_R?VW^]L,=G#@QFQZ^AX3754K3#0 _M]WO[S MU:SO\-G= *8%"\Y$G-
YPH$1:0%.;<6YE$&)(5JA(:X?M>\ :TPY9?9Y44D=] MGKSSG_[F%U#*E-W 947@S').3,
03B9.,7[2EKB8/8#6&/K7/RGU/53C.IE2 MFR5UE%&?).^75U=3M-LW,+D@!1=I15.\/J&Y9W?ZE@^@\5]'Q]5JZW.?
2N4PZ__DI>\)V-Y LQ M!:?,&^Z(XR72X2P3&RF^8PIKW13QJ]5??%XW*WR&$5[?
MQP+5^]4DG[=HDR>69AN]RR2&DESBC2UG_1(Q+HB [AH^3OLTO3H2QIB\Y6K, MV2[,=4HUU>L]OX7G&Y;?
VI+5RI0.-'I 0?BR/F'1*/.0";N,$GGBBJ8ZG\@'8"XVDB<@S, M)\>XJ+W>5PO[*%;M'YNUC77_ZZKP&\8"KQL?FFG?U;J9
M+2Z@R'0^;5(9_:]^6OJAO;^ 8^*DJK<_/EP:3AJ5HJ;KT#:(ODPR,UI:;=&? M*,UZ*=4$Y\2$X79@247*0%7?A]X-
Y>B]S]V77>=73+BB*9MDB?"YY-IG@7ZV M-,0:*V@4EAFC3C/0-:(Q6.R:
[+BU5UE/'_7VQW=C^OM\%M>P%!B3J>:$^HA3 M/.6V](\J"U$T*2N$2/)$-/D&:DPQT F9$NT%\9*1F7[/OA
JY@D:D8$;PC&NY(X7=*Q-1+-::MT=4NR??_C&RJ$
MQ:O>\^M;O_JV_8*,1)=L67(VLE6ED@+&"DJCSX7Q0Q"TE#Q2*;/$I!;UV_[= MC6=,IN-@#MQN?5!) 5560?I,F^VQK3J-
(Z)_S/S*3R^./#Y?31<+Q!),O.JZ MY==>OY,R*@-<4XSPKUFDON85/5#BSM@C-:*/$3C-ZW(L>*N%FIL M]GR9*7/W-
E$"8NEXC"ZQ\0SFDE&#]EG&S+-M6ND[D8R6J-02_L'"GW/R7[] M?OD1,&CYZY_^%U!+ P04_" ! BOY8L;T4G19C "@)@0
% &AW;2TR M,#(T,#8S,%]D968N>&UL[+U;_K>E?<+VTS$7X+]W_Z MGW^<37[ZAO/%>#;]¥S_Q/[,__833-
,OCZ>=__M/?/[T!]Z?_^2__XW_\T_\! M\.\O/_SZTR^S='Z&T^5/K^88EIA_^GV_/+3\@O^]&^S^3_&W\)/[R=A66;S M,X!_6?
VS5[.OW^?CSU^6/PDFU,6O7?SM_"])%(&9(S;SN!^OT,ZD[*C&2KAZ__W;6'$KOCZ;AN&+_2
MMYM_7!^Q[^/QCR5.,ZZWAXM/G\S2C5^:U,UI=ODO)R'B9/734<;QZ/5T.5Y^_M?SNM)T+80,*W2SQ;C'AQUG,100@30
GK@?9[_UYP:SD3"6V\R\?B@M\%IC]_ MGGW[F9[R("U": A(WTJE MG75"2)UR]T57\PO5K#1]+TV[#*?G35G;#EK(;
(U(83Y3S_-YAGG M9*+07ZW>OK^DR6R!^9__M)R?X]4/9],E]>WK"58KA=X@_%R_.)3P\P5\#N'K
MZ..2C)WZ0:\F8;%X5SXN9^D?+_X8+T8E"%>D%V 54Z *_1$XXX#) ^JP$F3-: M/Z)2SBBI_-D]9:@)/EXN(G5^KP*)B&ZO'
V;E%70[C=M:'C+=I3$?RK^/Y M9;73[X1H=.L$;\3^730-
:;_7_+@BO3%=LUYD/8P6.,Y<$#R"O07EIP2E6H)C$2E1:9FXZ&?#7GS8+KN$[>QW'_WL>YDN<
M3[Y_P*^S^7*$Z*)7A$9ZEDE--2W)5H55.@N5+;/:-6'SUH-/AM@N NWI-7V/
M_$LOY[F7\CF&&$69&*D##QQ2PM4"B(J"5'Z8F0HRO$M49P#&+[QV)/A]W!A MWF57--
F$YX%,SKK(C<81"A=39J"C)!?2DMIY$2-D&]$$++;A&T69#OO7DD^&X MDTCOTBP[1\N^OQE\+?SU;FOI0GD(2PF
RH["Q9 '3N)VO19):LR]WHO?W$ M9T]K)Q'>I5-UI_,#?AXOEJ1ER]_"&8Z5=*;S[U1&CM(,J[U.KNU+Z=IMF<-
HW5(E=>_JO9^70Y__YJEG&DC27+ M'P5$80B>(R_-RQP!;3'%F82FX^&[X@3(;Z=H._J@>FN!Y_"'V\SG27C,E[G MGC=
[#[=&:V0<'"*R![W1$'7T8$PJ0GG/$!*?^RJ ?<_D2X;R'SAUN?)$I1,Y:O/-;'GTB;'<5ZEVF M73.F7]&7[^:?9K]/1T(93-
8D6J0@;YZ3?1&C()O1J,RB2$Y[WH[GJP>?%LL' M"O0NQ[X9QZO#Y=W_7SV;3Q-
Y/09@5@=>7+L"5=DA;YB&LBB]%)RZ7TL[8B^ M]?338KN+:+=$2SJ%Q&X >S\;+,/D_QM_75D3!AD=
(!G!8&&@L#A;IF=@I>+> M=0F"UK'/R_LML>N'8LR3)X_,.LA1D"RA# MWI^)%H)T1B6CM,C=PDPBU\=HIU?
<1T/J<5TCH^C9<3' D1K,E(MY[Y)EKQYF2&6'*"@+"[E&%U^J#[@<3YO/_'9\]E)A%OX[!3L^C0/M0[^X_>S
M.)N,F$&.BKPQ=)I,=G+&("AM:>-_XT5V2"9=)S)O/.[9,WFX\+;0V"FP=:%3 MK_](7\+T,ZX";4&1119K<4K)'E22DC2,
(PBIK"X1LY7=V-SVU&=/:F=1;N&V M0;#JU?E\CM/E.MM1E8[,\O/%2(2@I4\%'(8,*@<)06CRQ^B$0($U*=+M.'WH
MZ<^>ZV:BW<)Y@U#5V^D2YR$MQ]_PE[,&YRCJ)G1JZ,B$CK:8APXAA),=#H6 MA=R&%E&,[4_$/H2@.S#
('JGC:=U@@ M4P^=,3(PI56+^P,W'GHB#!\NR"W$-HA4?3P+D\G+\P4M;[$8!=I 6 @$A9=$ M?K50X"-9#%R:
(GW&B+I%Q/G&0T^$V,,%N:6\HT$XZO49SC_3L?'7^>SWY9=7 ML[.O8?I]E'Q@6DH/S 1-IP'>^K#>:JX9; MF-
D/8#@1UIN)>8L6=(ILO3C#::ZE96\FX?,H\<1+("V46,CARXC@A/ 0710A MAF@8ZV9XW7C)'"Y']CF+^AGRQ&K##2HB+
BD2' M129T7LD,:*1)B=GDO6U2VA8"W4)RIW#734SK>M\U*NZ%S:9$L-X: M4 012.$XN&2+CQ*UR-W>VWL??
6)$'RK4+52WB'X1KGF8O)UF_./_P> ^CH%S* M+&K0GHX'Y1T''V0$I@5+RJ#(NLEY?/.QSY[B[L+<0F^G0-
DW#.I^$\C^G;F]AVZANR[Q,Z M=QCIM*2.O4CN7%R^TB7+>2%_.=;4!>W@]**386TL2*=X5LC)E7[H6.S4P>$2
M1;,&%>L^#%9@8CPB)"YIVS(\0V#&@Q9HO<\NR?10A*73F@;I5-*(SWM[4.PO MQJ-
K5;)^G6H083:E;Q>KZ_F."Q^L(R_2.03EN((HG06=>"RHN-7\(5._DV)L M S1TRY(61-
^G,YT%WD,#@UN8+F]S/PZJI_8E6P$]<0>3[L3-^1+Z8"IAE0S) MY41O /FMJM[H#MX+X+XP'Y1B)3]4(WKDJK!K.Y.!-
&$?8?>@ 5L;,A1OT%H, M(%SF-6:!$)(-=3-TTF5CF'GH8N;S[7;1@*)=&E[L(]\>.IS<;;G"4:0H8X%0
M1*FED@P\;EN='QD\&I%8Z_8F1]#)ICW;W23;P^O](N>5$,/D?1CGM]-7X>MX M&28;<-(Y5IS*
(+6K73O0@8LR@W:,+!UD4J763:L>!'0**M!.X@V[+%R_^X!+ M6A^YUV$^'4_+S;H?.*:^\QJKCAMRO;H*
(.4ON_'28,ZH0*:+ M-D[1N<<%^!0<,%^B%LXB.3E]!0:N SF*/IA[,71?6.!@\?80%R#C8XYA@;_@
M^K]OUY[LE]F$/G^QMH0^S":3-[/Y[V&>1]9AM#)J$$EX@LL264'T%8N%9Q>= M(+5OK U[0AQ>3QHGH?JDI <-
N@MNI+ HZ7TMA3%D*@NRCAQMAA!*R"QS*YA] MZ!;.8;;B;13#ZT&OQ-VQ'SM)O8?3XS=+Q:@(GSSY+&]TD:9:@E<
M,1FLX *SYCG[UA[E#0"GS?[ALN[!8[C/HZW8".B[\BG\\;Y>'R3I+Y?S<3Q? M5O?
IT^Q]6%TL8^1&H7$Q%RE:%RMTA'S:RC4DGSU$_MO7X9?
QMGG.;%J[#X\B+6[HJ)0+FHG'<1>*A]MDP4M8%Y!"ZR[R&F=0GJ9EYNI(OB/G/:)XVIHRJ2@Q"9!($A,.2DJK+U*(=[MH
RO% V(NH_Z#E+NP2JY6NA5FF[$F+0B9U)LYA*I>$ID*9%U3D@32L6U2JV- MDVTX3HKV0^7;@T&R
O$!OY[/TQ?:\/*+:?Z RS&IY"_G_'T\[I^_U_#Y!Q' M(CD5/-<@$>FP2F0V147NM_$2:>_C@>?6:;]X)WV:=$73PT[(U]E>/_C?
+&L M/O[BT^R>=._JSEZ=KIJK\4264UCW8">9+<9+_(CS;^.$ZT5]P#3[O.9RO;X2 M0I#>TVGK;Q'I1$->T#?>#G?
+A;G6][& MU;I>WE[7B,L0++<,$NK5G $+@=<3)0H=T))3('L)^^R%\K2ULF?6&G:=?B"0 MY;DI6CH-

(<=2]_H$/C/R(KUC 3GC/K:?J;D]?/AT-WK6SO07.@]3V&6V=L?K M/3/17?RYDZ4F;\PQE@0(M;04H+ZI@0@2AA/
8.=>QMTL_1UJZLQ?!.Y?N["/H@8HV=D#TPY;N[$77#M4; M!\AZ&"W_*_UB\N1 V#I.QM?!,EQ!$K(D)8L1J?4&AQ5?
*Q=YRO/#UR M-R?TGSP*2@NOB@5M0@WO6K*0.'(P66$AE'7B3%]:\#"THRC5Z6(V]D%!OY>_ M[L>HDPA%EPS"A@ J,*
71)0L\Y"RB-RJR'B>;GZZ.-!?^O<='PV#%R[8+V:% M]'M!@E@%BGZI=UPFBP-"$0]\6.= PZY
&X417LVF:=4B:!7('2_^<4U'7)"" M,UUO]3I;72T."8T&%,\CXZ.GMCZ@L3]:+KO&+<^>7/C@L
*U_:#OKG3COF<_57"A!9VS MAF)MZ&!8. MLO*T S(FR6@Q!HHV,B!M@*HT?-.'8OV>B,**
I.\CUX9DD]TV>H'SV>)K2%BM M5MH QY>WV'UB6"P:L,5Q E40@L0,,K$DL['&N=M5NK?MP 2(F@%& SY&^%9+*
<'O)X,+F^C;I; MF$[@(.]%_'W<]![V#[P+=YH78!5]?*81'L#U-0J$MHX^J2P,Z^L@R/(8SE5B#
MH;&VOHF@Z"0$GW@"40S73NEZ'>XDU.61#,33:LL^+/2@)1_#!![B==7>U M] \O&F3N
*&TH2^,*UM$8&8=1^&CDL9O\AS MKD'TS+ @+6V-4M%N9EV$Z'V" MB%P)$T(P/22I!E:-*
*_0V*WC5C'['WH1'GB^7LK%Y*O05Q<\8Q-,H4O:J2MZ"R M3:!"8N"CP%0R0V2M6Y0*
*ND(3(M#Z;NM%@UE/X1]\9Y.WIH)_(Q\I$L1+DM5 M1Z7QVIZ'SM 4)>3(7-*6[&[6NI#\(3Q'H!0]I:\.%?*
*J]"M&R[GZ=Y[HV1^2W M,*_0O^'A*>T=/K1[#?V>P%M5RJ\?>SGR>>L %G1TKA2OZ'CQ=<*5Y.2TF@+H M'?*
*D4],JK]G,$=L#5V5]-7S"?3_!=>>>!I+[]O_G)MJ#OM1(F\]@//DC;7^B*I*
*MVB%2QB!6WUIX[7F[/%#UU7GWGN)'1,NB$58AU(*2L]8R< M)^#9"TL"%GF -MQA.U[UXE]8_K[-TAY"QU.HC<)H*
M.%,19+V>JE(V$+"VOM4YZ6#0EM2[/?TL8OJ]:LL^+ P6TW=8:L%JJEGMVI]!
*ME#HD18(7P4I#'B=Y&#]H3'\OOG:*Z>\C[(%C^E(4YR4S@)FIJOD,HN-U$JZS M7J,*Q0U@E3QU3A*
(#)#&!FBON!:7&H7:/\=\-^3PCW"NH?(?^" OU9)ZBQI M;^,B@2J> R'D$%2VN60AE6O=M^\Y!?S[THQ]Q/X$*
7\C,DJ"!ES6F@E&7SD7 M+-AD442AK+?-3YGG%/#?B[X]_[{R+ZA\7%O_:U1:"SJ E)$"TKQ ,%J.J9M M2L(YXY79J8W';
*]IO,)1YT43F#8L('J[@MUT\.$!*C<_GOX7_F,TO M[(?%9D).]DQY36AJFEGX "X;#T:DXDTM:50M[@C=??*/<#9WE'?*
*#7ML5S6_A MC%9]]/E4*O'034\F>\%,OS)W)6A65_B;7PNWP],.E4,6G)%?*83J8Y-"D9H MX#I*GP+3<;3S*
MY^-4>XF&Z??-X6.+ MCX77]A@RUE$DM*>YH!44(V,BS.QN_\%M1_1#SQCVO&Y$P:P'^34\O"NN#Y_^ M_=5L3F?
5ZH2Z?4Q@^F\HGA7UC9'M2TV=L9BI!49$4QIB*S>:\V,@;.>%$U$7C2S-N7F YGN M1?,$37WZKDMJ)/JA2V1-\LZC]2
DK]$\2;"4+2#(5Y0YR!3M:9?(]JX8S<0_M1-^GNS6G[\CW"54P'W:!]N-BMD7#6];1[O.\'DIL#U[ND-6W13"64$5R[$T@
M?Y&^^2 M/O/JVWVTIT7U[3X4/77U;345K_K4TUI6(EL[<899(W4"G06= 84\N9 L N>,
*M&0S1VMU:JS_BR&Y_^G.*9NW%]ZRIW!M'->XBNHBX[("I84#K/AS#Q[-:T M+JV^"Q/OQ31?./?XVVRZ^?*
*%%D"8[DY3VD'CQZXY?408&1M/1*057Z&_W+=@6 M%-GKH<-&2]IP-!M"P#TXS&_)I)AO#(G7D_'9>'H]Q%-B2E:;!":'VB*
L%G:!& M,R@Y&92,11]:M\MZ$- SUHSV N\AIG9'=3>PD%86,[GNF)P"I>F/F#4'$UU- MXV6/KK7G<0^4$]"
%D+NH7CYLA7XR_,%^4^+Q>7V54_ >M!Q+QD$+F(%IR'R MDB&A%\G(9(MLO1,\".C4G83VK/2A,FLLFW=B%S]5;C?
/+$HW>Z$W5;!3I+ MN8^;43= !5XLRY9#Q%P:;UD'L12$I#(:0]NAWJT@[;@HWW7>3L^,[R/&CAN+B._H063)
[BL_TN0\TR;Q M8K&@XQ_SI_#'"I9) H%HOJ#A-]#T(G, -36TU\XS5J[RG?/-+:@R[INK[) MZB'X]@M^G6,:KX3P8II?*
G%71_-?JVY$N7BJ?20K%,5 A.@@!)3C&,RJ>E9*M MNS\^ .<$]:65\%N?\^MUO\C_08]+^?
*7+MY]^>3$*Z'+6+$##*M:\"Y[01HM1@ M'8MT;CDCTBYA^*T??D+SQ2HI4'>BY=NSKV$\7XUM*
M_1+FGW$QLBEI+>M1%YFKFY(E+F<7>5$,+^=T@=@1/I' MN/Z:K"IL6B/9 $8/I9.MA3-
D165.Q;C$'8C(:X=DY6K#+@8^*/+/C%_JMQY%
*M<*P5E98I$TQD4)*DMST%0TYK(F./I3HP0ECNFQ>7/O.*RGVTIT5%Y3X4'7%% MI1(E&:9(3J9>EE'<@Y>10_)H2-*
*^_HK(Y MY_O(=<#*J4)>850L V-,@'+:TW96/#!TK/Z-]*+UG;/CKIS:BZ<=*Z?V$7(/*
M8=R_D;4_'X?)!R1[(HTG]7R[EL1PM04N)H1B8ZWI"QQ\+?@L:,C9Q.Q2;CVQ MY6%$)Z
)#47>2Y/"^ZI]I34!ZU1XCW7NY4:\?_U]EB,4I%)&6B ^9,O7P?Z/#C2H$S,A17+);<.J.S!<:1
*MQMVZN)5=A=W#D?!N^07G#V68&/,E2Z_!HJ[ZZ++*K18?L&X'&$UA&L4VBB&0&=8*
*MK5D1!;+ATOA@%+>M>\T_"NH$%:4M$3T<**MK([A8)Q<6];R;7>QZ(\^$=L5Y M,$7728@V00PY@^8Q&5Z$",VCF_*
.4'M:"7\'A"U[&LC[\-R)&@T\]X6B;G MDA;,O()@L@1;6'0E>26:=PNX%\P)ZD0;P3=L2WBEK!=&T$4IU'AZ3B W5A*9*
*MX2]OIZ1HPYL'>OYX&N;?5Z*AU=78.$E\Y5IM]'JD@I?1N@RTPGH/-H=:+X7@ MO0[:V(AM#Z->ES."6KEL9!_5Z_U*
"GKRVC ZKM9>16^CI=ADA!'[K804=G6L>DM@QDJ;.A8B3E$>3E(Y>6]$=$97JZ%W1TJ69DHN3:F[A$
MC!RKBDMHZ$H;GCB9%XF_]^IYH.UIT6J>1^*CCC5G",3DA4)-0@**D@'3G%=*
MRUBM#;4'F]M)TTX^U;P7WX^GFO>1^U#9QETP_4BIYKTXVB7M>(B !^O^MO>E_#RR') I< 7\LE4 M4!("9Q%
(W:T3UNL<6U=U'GMFL0O_;03=7^.%G8K,@_>!6\& >4L&CC &?$X& M;*DU$MDQ86]?,?
WO&P"=O(Z>R+EW)^DUG/+++>!$^?Y{CYTV$87/#,GY?M99_M;:^U\+'2)M M/HPKD/5JB=&0XQ!@4+DY,UHF4/K3-*
".T-J%7.X\\.7WFV-(7GZ_?,$O#N^+ MT4,E6HP*HC9T'@17:.\7LDX1U;2#2Q%,\XL/W6$/%9+I0\?NC\H,P^(11VFB
M28K7_GZBORBG;%">6"ASAR.9!+&>MN3]HR M.>>DO2NA=G[E]8IY@1! IDS)Z%*
([NTNC=6>8\OEO3@ZN.7R/@(>8]JW++5U M&-;JLISI#R;!.64 ,=G@N'%>M$C8'.=4[^$-@WA,[BZ@?J IWWMQ MM-/
*YT,$/-B4;\U%MCEXR*O-4'.$2'L3H-7.$LHL0L-MX5BG?++*416;E?6/3CO^_8#CF7R*
M]U["WS;YNY/D&G=4O03U"Y9:^KE!%+,3QG .HM0&B-DC>,P>A"V9K%:^Y3Q_MD,L;GWXR1!XNL\8OY95&?9J'Z6(U
.]=(.,HXVA,%T'=,C:$([,#$%?65N$ M4TH+Y+>O[&UC\^&G/'=6&\JP<>?5M]-,EF2]*TJK7=T'VF"BQ2EC:*.@]1I0 MCKP*
*9W6L><+,>!29W4F7;^/UOL]_[HPVD5L?'= >[+KNHF!*6 %I-4-#I01. M8X&$W-,WI42E6H?*
XCWM,Q;#^57N6^FNBMWE'!=@'SHXZMV(NH!X<8'"+EWL=6 M:-H"KPUDU?_8"AY0:J\#F-
7MQ!@Y!%L<>0/(M;_8^B[$50U1%]A>']^Y$O3PQ32J]H[S3D?[%--//:IWIE.=P9W-9\3L 57NTK/&T];/6E2^VJO.O1O
M0A2^6%9O8PA6)SKE2 9JSK5'2XY,\1!I0^^MHO-1>$-5;C;7EOO+-MM2<@SE MF9?N\%]Q]GD>OGX9IS!95R
)X5,L#"19 #7]-<%(X@N2L533':G7GV/Y%_O M!?#TLH0==ZJ1!Y@N$E<]-;A^6:#/W#UV56V#Z\^?9MY\WG[AF>//-%*
*<%7SQLV M.]A(\+-.4FL8%KQ \/>/HVP<]T)$<,H'4NLC"_-@"B*XA#'6AFFQ5GPQ@ND9Z9@S(9-+2/C2[0C]B>=P^['#*
MVK/10]_+6Z-E=P#SH^9J]R+JX8'S!TBY]URMDBS)$AAH7PO$:D-%GXJB\Z;4 M(H6"
*(K7NHG_LN=IVC.\CW%YRM3C'?)G^N!SKP*S7@0!E51PH.IO 16VAA*+K M,8?V3@'T_:G:;4]XZI3#7F*_DZGM++-*
A$K4E,K(&70$KDR=O 0VX8 /QI(5E M0GL9=V'Q.!.UAS+80%:-W\,M:2S-7 [>BBRUE%&C9.S#]5K%*4\+DF$D>*
*(9*38*V5QK)=YD4?<95+ MM[VSN]1ZR=ON/HX]!]\(7 M.3TT":O##&H+Z'?3CZ&ZCZOTY477(66=%-E"C@KIM2'//V:6@-*
D0O$$CM6FM M-P_.4$]:27\7ARJ:S@/TWJ'BM27CW@R(J3@P& @:X/G +&V,U-!8'"L./(K MFKM4-R"<(/]=A-Q#_.2!T-
*%OYU54[\K[V6(E],7KR?AL/*U_/?)>74?!+:'O!.7:4:DM/#^))?JKPQO\0I?;%\ M/PFK00>?*
I^/_POP;+B^.UU_.\=/L(RZ7ZU(0VF@#[;1&2 T\$G@5A:FY [& M12NU<-%CZTFKAV(]00T;A+9[IXHI=P,6KOZ(BW'W\;+*
M[^%20"_#I"YE46;SFV)<_X-^:EP/AM%K+6P;X0Q9, ^N,BCPZ77/>97T;.D@1 M(&FOHXU&9GG]-;-,%YN=3I
5K5YQ,A&="!FDJ1NQ-^20MA;!0QW'7IKP M6(2R R,]1)\^T>_=$L%%U[\=@/54U7$OJ>I\&A*X:Q/^0^K(%ED[80$$UBL*
M5_,>"\X2&^M9M[F)%N[=@,KQB-U($^D%WN(O0=]>$TV\^P[XJ7WL,G2&6=9*
M85%"+-5]L(6!BZ[^X8,7C@G&FS>YWPYE>,>M$5FS]I)N7$RR_C!=? M9RO/\J(>:@,T^!2PYMY3Y#7AQF.=2DK?
*6H*99,WD[M++:;^'/G?R^Y5R#_O! MMB#FA]ED\F8V_SW,\RC&S)-3"I*
5LM:=$Q!=TA"CMCI;Z;1HW"/N@\2$#D(,=:/I!W,"*
*V^EGFDE$LVK<<@;P0[P/WU=1Y3>WHD\CJ90VUAF(R*O&2UIHB1Y*06F,8^+LAQ1 H^)5A9R/;]B=."T+" 2HU-*
2&Q95K_O <11'];D/""+I M@7+1ZZ13KHTU9N?+5V'Q18Q02F5Y7;>HSJV=BP/;SRTK0EDREO.4$ V*
*MHG9TS1Z"U0**-60.9H9&M2['.-Z:P,:JWTKN0^1!WZ^C41=)OO?D/LQQ.9ZO M;R"M,_N+5[.SK[-I/?-GY3=);':?/7U>4X/*
/:&$#GW&>? FF4];Q; M=T'N>\T#G<^O>7Q^&B=X) \7]GE&3R2ICG.@A4B!O'@+>DVM3%;@+7+>]Y]*
MW.+J>9OD"IJL,5D'D<55.,N!=^2B<":C0Z%Y0--;YG,'@$/E/MOKS/W)S].\ M'$_Z\V(?J&NJD;EU(+YX@?

3_6N_/07%R>SSA!^638T:1L1O518AV!UP])3GOP_14.<[NO#VJ"AV$/J12.!TX5YZ#B%:"
MPLP)GR'7QR:K519>L_;E2$,JPZ-YS>%T81]9]Q&;7(MDO0_>V!HO;I)&KX-@_M"KATY&@Z@I7K-5[MX.4+47?0]+B?N?
B?L@E-M*B:MLL!D(NM,9C+,E(M07(PDG1@DVZDYX1[:<@#,$U&@O@GJ8;NY:WUMY@)5
MAW0D#3*G4P1&T@!58NTFGC*49).+TJ*VK?>:!P$-KR?]^T#M&.AAR[D+[BVY
M2627KP(6HZ"RCKG>ID>NZ0!6!7P0$6HC="<0D^&M4^D/(_HQ%.1@#@;90%[_M\173$C-ML>?
SZ;O5>;J)9,:8:C#Y2[BXV_/SC"/PQ(WU\96]%S%5M].MX=67\WI7RU'-M27)$'QT@2V3-8?'@@G>0LO4I2,PIM"XV[WM-
/X;./J$>])!W/O@2I,B\.$XV-M@.!KDK_>*L3G+\K]5-[GK_M?[X%-OOH3+<"@7UX.?(" 5,'J#IIH'@R
M&VO]8!V6P*#D4B]E1*&:7V5\S@4">S&_6X'-/@P,F0O>!=>/7""P%V^[)H4/-M$?
J02I%MDJ$D23MKJ<,DJ_XK+P$EIAR"5*Z'3FG'7R#0BR[L(^NG*!-HUC$M-ME->C,]GQ*3)P(0F(V8=-\N#%_,-%
GNQMV^!P#ZB[R%;]W:.YA@6Y">L__MV-M>@WQNS@9?UX%#^J]F*4T@JX]).Y:NMX)XH&E;E$QX3UI77>;E=LQ^I]=
[%B-M>^%ED&SOCO%-:3CWRB.(JNU*T>OE8E:0"FO7(+PUGB-Q%_/F-MRZOW837D>AS/5^_&BVF^N$0Z4C$HAE&
#$BP,3B()0@H(L?"H['V3F!Z6QN'-M#A!.28N&9./>I''#D.$]DE:3W-.ZT]*/D=Z:!B'"W3ZW?
<9K&N+C2*Y2V('<"@B)M4HZ.J"A"-+)H.#/)R>1OBZ_K!G_FJ['W)U/
M7L<0LE66V^2!,U9KB'5M6V(YI&1$3,R8W'Q.^G8D0X7O&O%]^S1J(-ZG#L[5
MH9J_DLPW.Q^9;.N!ML&8U>63Y.L2@LT0$AV73(HD,A0:-2K@6>*T>O00=EQT&ZYF0PFZAT#'S7/M^XN4YN=A\HJ,
I._THW\-DW-<%T?:#]8+##.ZF#6)1]T=6'GN'G,'F#M=.1
MR=RL9V[;&L]+M*^&4D!ZP24YT,&PUH43EP_'3TX2)P]Y&"V*^3[^>S;N!ZZ-M(^:+"UHE*#7XHF*
($*PRJS:8VGKAZ9M!=HE+2*>C-PU%/T0T:AW'"^13^P!9E-M:@]}6N?(T\Y0&\6;+I]WC<\K)6%!<*TQ@M8F@F+.@H\|
MHDL[52^>:#W!\$-MU" Y=^?#U^YT-.@S1@-%UULWOC92KG?9M>-.L9"DPM9=)^\%,U3LJ1WW6Y)M
M#>1\#!&HC\NP7'W:7W'V>1Z^?AFG,%EY:4IPSI3DA-]M\LQ!!-4E)D:>6C89
M=TKQ/^*HW@O@J>)1C;B=M99QXP#%9MKT=4@7TZQW-4P-'4OD.%C4XV(FO4E-MY<%4($0C3<,/#(/JB0'S@HR?
27Z(DW.9K<[^<=%_0-1JB&9WT>X#1E/L_/I-M/(V<2%Y*,X60M;62U*[*K@9)LG"@8K8]Q(;-G@>G/GV???MY\XIKA
MS3=7!%\];]C(4R/!SSI)K:&??X'@S8=10NV4D@52D+61=73@L4C@)8F4>59<-M/!08VH^W-Q].@;
<]I=:#'_^Z%*RS"?'2L/A>\W:N#@G^^+=USKX=E6:927+-M:I&:L2F#$BF!5R5"
(M43KM2_;]U(9W=TPWOW_=GO/7'2*VO(>_M*&O9U32-M)^L1R?17D_-"^R;J!-%=;(<^;K^&,0IG873TI"J.W';R<
M1RM3T;=WGZT5;P_YE14H:4T>VASLHNF?OP2YO@R+.K4Q[,*?O73UW\D7"SH
M'VQ6\N*L'J6CB"@2RPDRL[4?/HO@%H#8)'F(,X+--)#,E(!21H-82^T)+4,V[A^\([92T-MJP\V&O8L7&HQ;0_NE-
0L2/AKH>^)/>\-#>$-\;%-M2(>0LT5/,&N]@%8:HJ6--R;-B^?HR.,89@N[#>T4]*M/-H9H1O(ZS*>$KCH,-MJ_,3.OI?
4:G^7*6_M$@O;OG-SIG?+LLJ%$2^-41GL>3_JDE=5-.E]NVA[=1GRED"JZ5(L_(/-Z)4^R
..95"K(G)OW+AQ8(1[IMC*L/NPC[O[U8'.!-MP0>CH@\<3(R"W!\F(#"1P?&L?!$YH6A](78KD.'=PD9$/4S_
5+NH7R_XYGY-M\OOV#UB]*YIQER)9>SHR,OF81A*6=."4Y=D+4;QO?=NXQ^7\MWUS-,K20\)J-M.[+?
PMG%F[\+OIY,I<>P/8W%=#3*L).2=F2RAT/W49PJR^"C5L!R4)L4KHX)-M4O1H-Y.LJ-9-
SIY&TQXQQ9ZMHNU#8!^57V=?)[/OB*M-Y[NO53H;FR,&9KSU-M-I(KK(X2#&1S<-?*!6M2<-
GSUKX.SN5!Z/JP31P8'H'LZEV%M\FD6\4!AFDK0,J5R/"#+U=-MDH$OV?B4>#*Z=>"C"?-?5%V')WV(2]4O4CH_.Y^$):
JG9M0US/%+M9F_X:K5-MY<$I^)T_NG/R_;!%M$J[/_3P=7U&A7"EA'1Z:K+&&%C-:0?+[)77M6FH8-HX-M)ZQSK4?
G[8NQ\P:YV_/6H2(FBQ6.W@%>'$E!2@5!2@1M6"8;&95O[X#N@6^P-M%'B?>G1G,^N+H*-)9%]<=7S]G^?CY??+
<89K?UR1D9!=#*"1)U-\Q]I8G-Q;-M9K,)}4CZA>;FX0.-GBKHVY\:W+'U6M'11P3C)J8+]WP'4#U%8K<">J*$=3OB
M;H4%4X;%4]<":L(^P-M^_#Q'M\:-Q&W$(.*)7G0M?^[,L9"<%Q"",@5*AZE:#U*=F=PP_MJ#_AIMD9'-MF-^5>B%I-
IF\FN:F.2FNZ)F=>KVU[0&^5)RUN[7'=1-M/(&&]$7:MASG83%8ES&:7WGIR(",]&#XO$OC[0-WN$E-VX0W
MDB(KF6J"3M7^9R%&<,@4Q$"G+4_9.-O:*SL0ZG:-Z0FS(:GL0>G;7]IU5XE
MM/=Z*3@3(+@DU+SVUY?.0V&>)RLB1FSMQ!V&],?0O?Y)''3CNS@8MK\PD4<1-M4H$86>W[:&N1A&'@-#?
>EZ)2\ZY\AR'],52O?Q)[\-EO@ZU%,2]F:?SJ?%[A-MK2>+/+QOR/0I-;%--U1GY[M]T2,/I5.UFT[-M2QEX4
FX1U5OR%EPV5AZ9YDSTN22FL\CVA7;#ZY?^[+3L-?77C@?WI]YXW3X-M,TB1]F<5G-(?/".#-$9A;.
(96U=]=0;]@^M=,SY[:,/UD%UR@?O];+YB:QM\-MKVR]7U[-%*%!><*T7_LD0^N0;$?(IZN,0W)Y;W.OME%;(4(L6D#V
MUI(=6@**$D@UD;LDF[6A]:MXNYIZH;<-:;=HT_F8\#=,T#I-K3[W*5#B-5H55NPIR>977])5C"-EI'5@N]+_;'3VV
MQ6%W?%R78//#CUB7/!,MO1?T*HE2(JCB$8+1$I+*7'(MRH2N1>]&;NYGU8?CK(9!\$]%%>Y@=-M,/54FKP-
SQ,UAAB,U;N^0QM*AE(7'850)G"RQG*]$FZQ5A\IX.2D,)M5,JKU-M_,?AU.2QK@Y'I27[,-
$XMWYM1WU_<9OV\QSQ>J%C%BE85CL/TTI5#-R<)^>6-M#GWMM!<^L,>LV]V>-+PKUYV-66^B;-
R%X6_A/V;S5^>+)7F0\W5QOO.ASG73-M4#M.@%),0\BT6DQ)Z*B-X'ZG"O5'&B[3\X;F3F3GC-P%=820+#=*TG$6-M=FI]
<5R-)/YKG84(:=,G-MXD59XOS]?/9M7-7_T^SM-,WKH)!?QV?C)6TM3M8##+SE$NC,LB00SX"Y6$3
ME)7>I=BQ(:1ABS+Z#F0]%5=/JG(CGSF7+-1Z.90@I,75RA6RB;EE16N&UNUB-M_N_WU!]9.-#91>D:Y2_S,/OM!$G+
[AB$@2=K*!TJL5,ED"C,8')@(;? MSN@A,F_H6E2H6R(DB_^%D_QB\6HV]J1=7YF$R4BQF)S@'*YPF-M5#F0%Z4<&.D,?
2."+[?C2MMT8I=GG98B-)=N'_>[!BCKQT">L[!.%"MIH>/K@=T7]+>G>^7"S#M(X-'FG.-M';,R@Y.%MB?O,]
'&5)595DLR%0ZS![=^KC38;XO&=],;]2P&((,WJ_D9(UQ-M46_-+Q<$LY9=?*U!T"DN'_KKWW!Y>/U$F^=V+KGH8?F-
^M%M'OU]]>-7UYY[-MI:L:>926SA(7R-I4Z#D$(3U(;Y+6*$-NWH'N<53M1K?
=^ZQU\%3!PF1N]45ZLR%+3F5_H:R/8QMJ%YSC77D_D%J#:DXEFJ0>Y?T\OMEXC!D-M[47!-D[7U9BDP#F=
(,FH1:'/9+)U=>4.L)Y^M$A+=9CU2TL/R?G[5W^5D]P%-M8D^E'3O>YI*C^;4[JHZ'7EY(A7RVD?I7!VX(VJ_(L'K_2\+-
N8DD0S3Y%M?-MH7HRU7FD^N,8-&O^6A.SJR)9'OHF_+R?#RI3N)%9R!OF;;>-+H40''F(7@9:5%2.)F2TJYU-MR>E-
!*?'=0<)[_!._RVD+V2HS[]?7^EEO[&"M,X:-K2%5FDUQ)PE;6=)AD3_M$\V["CX-Y_0TH97L>[CY?^_2_SJ?
+18C&VO2@+8FHU2I0S/J%24C(2O)6#1*-M.#&84])"=$3*T<;O;4A
W^U)O\XQC5<9)_IZ@BNQ3^O@G_E%)NK>Q8RL\%6C-M%5A)&JY6@9,Y(?HF@F^S!F)B5ED7+>+OB;5OZ
MH2.,DU&MH2GIX22\CNP*U7H7#LP(:Y4-6T0$9W/<#9.;OV!<_CJ.?OZ$\[/Z]>'IROL^J7,"(C5**]?/?KE[KF_J
M&&2I0^51ICJ&+P=P4F:R;U&)4F1BV'KRP3U0NFX--S]VG8VPACDMZ[O>%+6(
MO':;X4C:SD.V1BKO;&LS=PN,H5*"+3B^_JQI/QNKF,][R0Q&O(9R:;.-MG53%,/'"*"T"DY:%V2?/6=5!W43Q50J\SKP_JR=
[R[2'"=A/1]:'-.^#J*3]W-M'Z:G2O!%>@H\"$5(F5EN1-99*W14Q8S!(.)3*3(!"O*9]MZTO"PBO!(
MBFTH/=A'SHWC$V_&W_#]C$3T;HJ??I^MOJ7-LN*KM\I_.:__?1E=E[+O#[]-M3C__F9V/M\$A:U7Z)(E:81
NR,9M!!XH@/4R4!'*SI:RTY5TAU#.]-M.%O-M]A0D-+Z%\W'\QPKWZ_'G+\N/^-VG.V&GW]E@S^0%N?
HZ11<2O4Z*0>0Q0!(V-M>\PZ*K5+=6U7'">@0X-2T7@3^OO'7ZJK5UM8O-EI/!DOOQ-88MELL!6=4R@,-M0?
O:9Y4E"X$E#5PY'W3.Q9==;N@\]IP34(.FHFQ\\>;_?O^_'\86O8M*UCNK-M#&G1*2F(I=Z(E>PY)T!S4U$V#$?>.,U^(T?
[L0UHM5-M,#N5-M40MEH5A/;A8+$:(6$4J62J#UZ';J2'?H\T]+081?>.+.!<'U^TSZ^5LFK?!-M7AUP%V>6BBG0J048-
9U9*1HR?5PM2G"9,9&M=+N<"QT@G(#2#$5-PT[!%?8G-M(O11';_OP0;J\-GD$&K%=9W]9+(!S\A]*Q*-
+R5:+6[GQK;IRIZ//0']Z%/0-M#5OVWMG_'K%_OXSG-_=+\DDTIL,H10"@3=T6MJ"X(-,@J58&ZSL>_SLB>$$
MM&4P"NZJCNVD.N10;]T&W\Y^#^OKD?CB?/EE-B=;J]I=-]?R9D9+H>^OAF6*
M),D3URH[\LF]@I!JF"AA]%G0L9INUZ-MU:66H$Y!N9Z,I+O:YCI?ZCN/"_S/
M\UIU\FU3P[D*,4INF*Q%EJ[4JFNK'43D'FQ1(F=&5GYHWF\\.Y13R<&TD'0/-ME3Q;8&W>CUV-]92)N1?
4TZ1BFE#WN#ITD'L/"9G[-9IHG?,Y0PFT6ZE"NV>T-MQM$!:8Q56?$XQ-[PA"F98?5A'W'WKP>7$3SK%!8'S-2=,
H:L5@Z04/@/C'E-MI;S='*^Q#CR5/=&(J(?I/T#*/12TWSP"WTZ7.,?%\D-8XL=E+8C>V#WA,YV,-MZ#$'39YWJ.-
C?'@5K:5D2X[7[@PK:^^[8[NJ8W.7WLH]FG&1N]Z\RK,Y]_'-MT\^;GFS6Y(C.1RBFMEUR2D#PY*,GDUSR]*+XW=JG'JPI-

_&Q;_8%CECR,OGBH910D(_M/&"QR9()8_M\M:^0G![Q!TIYB)9W%=[[\S@9I^YW0NY^3I,;(8_Z_D^")VQ M3NN:
(9?!DEWO_B2#!EVW/""M!:^]0CE >^#%)9LL)9\W%6W9E/;R L7 ,E& M-8%;;WB_GL%1W ?9A^-=
*]H/L(]4CO@_BD.Q.;VI?=YE :1L@:F9 VXC6&".D M;7VK]+CO@^S%Z^/W0?:1[Y#E_]O@^E'O@^S%V:[W X1^) **
(8P.V40/.I.I MHECMZ:\++(QM&!!D"2\K_:/=!>M&#?>1\5/=!,E=%%^&!S&4"SK.DC=$3^F@P ML]+(2MRE6\6IW ?
9B\=F]T'V(>$X[H-@0X-2,4P.?)WH#3ZI%!V0,5Y[T:<(@4<&F'2,+CJG_.TA[#] M=4P7B[2%I(>MCMD!V
*]>';,/=;M7QQP@]T&K8U!F:V*FMR#4MR H!SZ:""PR M9@BZ*7?CX?+[[4(_!=J4?B)N->K.;!D98'K'/- M):^J+@1(9D5,R*
*0WK=,7]Z-Y:CNR36BSD;2?MDK*5:REH4>!L M\6"]D%9;+I5JK0NW,9P&]9TDVT/1R\46]?J/KV1@XPJ2\2Y8)Q(P)59M,*
*2= M:+]VA532,4_GF6[=*W,+C-/@NZM\&]\TWV;'O [SR?=:GS&>;II(X]GX_&PD M';K$.:U8U.B7)=LV&]N CBE\GKZ$*
*M!>9K$ZR+LSQZ8<#F:ML&G2#$&ECS$HL.WD?7;\7'5EC/6TWZDG_C>^2WX64\ M^[K6WO$E/*L3CXHI$+*
*[>84VU87#T"9RVR.GX*BAVR77M*CG37D?\FQX]_OV M647F:8VH;VHT7TSSM:*]@N2MD$]+WJ[/M'.5*
%$@KTV=2_(F9Q) 3[;! ["> MMWKT)?][+VPW+IJ\U89IC(MNQ9/W?UZ3(LH=X?9<3$D'?(PE8'7_Z5TO3H-C
*M28(,FE1'2M*B?CL,_]IG,:7/#!VB(PU=A5L#F34YDE<3N TIN92Q]27=(RRF MW(?C78HI]Y'J4Q=3+N;+T8_>@@F%*
[!.98Y:N\QO M-[GK,VZ2]JAJ/ 2Q$5#O1U@[)-TWH7,]IFD MQU/+'81_F[X.DNN1R,2MU!$-
A!1C;5E6('CR/%4L44@FBS<[%3$^-8'WI(+; M\[>/P!KS]K?PQ_CL_.P"B"Y6DZT$6==+_D(<$(;LC%+-D[(Q/5.J=U'F+OQ*
MT.&,ZTYBG[606>\)NI5\JP"T\I %E*2DX (7G(+C'O-HMA_O?LZV1IH!3S*7$@X=C:N;-N8%*#+9IQEK++^D"_+!*
<2D,L@L&!,1L;#;YW]W9;@7 MSJGH0AMYW^L--DZ9O9IC'B\OYY9T2I=M_ZPFJ;(=8/:<)E/66+(:+%D1M4$0 M(P,B"BU
*:IVUC8X7'Y]OFJRHPJ-$3491G1WA QU7F"-8YIT1.,"0^JVO.8HT MV3X<[}1S9 ^I/G6:[&(=-]^TE2=L78*D30!5[R*
I)S+0\>54$25X7QHK MQUT4QQ0EW(O7VW/KN\FW!Q/AUMZZ:>[Z:>(H3;\#Q-=+ K5P]2WT'00RF! M=,9)*
*(Q5PKOZZ^'(?R0B. 3W^\BW!\X_X+?9Y!NY M*C?!;<(FF'W45B,$VM ('"W4T'@0TO'_0G;,[=RY:";R' MN$%MCKC<-*
$>\O*QL>8Z9,0M>QTRN$ _@O,M@N772DD%4?&L7<1N.4SG\.\NX MIU["US%M]'P75#T9 -
*L1/8T)T)VQ1U2@@[A[.!+N09>YX]YJ \S4TA5A(SA6 M*R%H$U3%1EE<:^=W2"5XQ!082@?VD7(?W),?_*ZLCZ;-D<14M-*
*'FV@;9.% 1 M/83"R>R)*5B&6F.\/3]M,^]W4 Q_\+?@YS;EW83;\+R_691FE6&H4(%.F8P. MS^CYO!8ZE5PG1WKT<:*
<#_CG6PQYRDA\NO89W9F^7I^T"X_3J8?<2_CWUE(=(MKL=Z6"XY!F0O.((TJ-T63K/^$[=?9^:P)WJ85OPMX_ >JV'53S(
*ME*4&X^L=6I09 NWND%F.47FO&6MQK^!(ZF'W$ON]],#[R*SW1'DM&AD9)H10 MM3E3+IX0.3H1DK.*
C/Z4TB7,_=;#5A3'DPAMF_95[I]!#BNF6"7H9>U0KZ< MS>>SWVM@)GREOUE^'VFE]&HF!'>T0RE7KT]FF\ EKG,
*(T7/;I^7[&+[3T)'> M&#GN,BYKI*3CCK9+6R_3D[\(09+=&9QQY#X:EN+M8ML?J8SK$(UZ8I;Z",M=*
*M>S=&V=5.7*60:9Q"G8YMR4ND/TK,:-%Q97V?N]'SUHW.$NVAV]'[^2PAYL4; M6GG%M;@$9H1/C(PITK-*
*$AZ16Y)X*B6!88*E>ZN=^)T-R#ZKO!7,:O+>1];W] MCUH79,W.SG">QF'R/GS%><>*K.T?*
UJ8D:P>@C6JR/GZ9S9<7@[NNE()(E\@+ MZ8.)M7D1%^1 ,EN[HG.-K#";6R>GMB/IW#TW?<%\/J'=Z<;GKZ-4IC;U9)B
MMJ=(OE:Q|%6H5])D)E/(B)R;-]%] ,]0-5H-.+_3/K>5F(^E5NOF,BXR$\(8 MZU2PH)D4H+RA72UI"4+
((C#:DG7SF>3;@#^Q5J+<=S;?UI[.X^^B\?1O4Y:R MQV'UU9A_.Z0G:LO?G;3'U*"#Q(=4"*<4J_>>G)*UOZ=)$*
+Y,]ZF>F.%ML_< M.H<[J"(\UHY_.#W80!]5/+=M,LNBHML4M&C!REC]7>"@6A4A)SLEGJ$.\,*
M\^E?:UY8PZ^>&$R)!EII9G1(IW5D(2QDCP& M[NSM:X-MH]I/V3&S!SNRB:""26@(70M3JX=;=5L,CZT:"-
UM$[4Y)J7;I_M# F-WDG?6[C];_0CJ1V(P4FQ-M:)&V'RD"%,:UBUDHVH'ZW>)/@N@N8AWB MUMZ;,)[_:YB.>I!K;8*
*K)OPVB5: M;)QM,C*B1N/!ZCI&B/D"L=#^+#'6[DD"K6R=JMD%UY-$HOK4G^9D//$^5!!# M5$$!DZM9NK;V;LH>-&-*
%!^8CVM9!RR?:?W;S=]KSVV$#VH><'L(=%XUV/N!7 M
HUY+83[X2HE6(HLU2':NLY'U."TL5!RL;KV92VN=2)U3XC#ZU-O=-]V]GOD MJH-UW VU@;UP5K2N;)R|9QEWWPG:Y2
*M]<923[=L+^)4ER!'3$25;7&02Z2C7CCR4[W**X6O+0Y9D8I"K[9> M>W?Y]G!"?<#%!-Z^ ML<(6(,^?].[RO??*
L:%G51^NEG6I)>U&':KZ['|]BN\18(V"KF^G],3UV.&U MHS.IU=@?OR#6D5(OGF-^]Q7GJSF&BRMM,IY'D9%#*1JK-*
A4(KC!@6?K$@A(BMO87!EQ>][EJ M?4-=!]$L6B5J-:WDHM1$N(+HF(+,M)=,%?)I6W<3___;N]+F-I+D^MV_8F._
MUTS=A\-VA YJK BMJ! UWO G1M9%P4.B:1S2:'^]LP#PPD$VV-4-$>N(F9$$ M:E"O,U]7965EO1SHT89:O^L|\QFI[B?*
CU$_2Q+^SBKS:2D[GYXMOW>9Y=$< M(Q&!JU0,3! IHR!6QTBLI=1FPYC4M;6U'@5TJ 3\3\F@]4JO:I[LH]YOB>5&
M3]X%F+[/N\#.5"Q9SU'K5.@LY5[=[V@G/%H.?(ZI5+TP A0G8GG&:-J"T+2 MVJON "Y_JJQS((_O8]S*MT]/QA?*
X9&F2XADN6Z&$Z]-54D/9J!4D240HM2E6 M4F#D"1D*J3C3C-8+^_:VAE]YP@'J.AYOMF;ZC:K++MS2];?*
*4G,Q@>NOHP"7 MRS,?FH%;,(2Z8)&H%(C7F1.:A?,J!V-TJT30$_(1.P'_^J_N?K7\UC%?.(" MU/(5N0_I1D6N!:B*0D*
[@0PO"U3)44U?5JXL/O,(..\-3I&:^"AQ>DM!E"8# MAJ1H6'"40XQ59I)A7?^(H-
"@GM_#N!4]'LIAV>3'^6^OSRT&,D6%F.2@RX65 M5 0PM" N" 0&WH?X6$'W-(5?+IIOOZZ^<>GAU1_N''PWWK
20Y4,WW2R6@_G M +_A(WQHIM/3\1F4>XFGLZ]I\FHZ3;,I0M.2:^DPKN$8X7@,1SP+"L,15724
*M%/*T]A'0(W"&C_=>2J:KE@]WTJOBB<.;A1$NTCB,TK34LX]FBST1C.,"]H<1 M^""*V@S]]_HG$,P;I?&+1]<$JG6@4'CR*
*^>1E,>QI,4 *(''47'RY9IV3M:KCF!@@Q.QMJ)ANU(MALK&5_+WYIEU9_/^++GNC4=Y_>,CE%WW0F]H]?*
*&RBP)7WBD3$Z%@<"LFH.SF M+24LA9!QEQ8RKUV&U1[=H?;!-:CP%+OJN*07T?'[2%*
[.P9FC%#6<.HX,=&$HQIXFS"79_,"]P$\#7OL\U.%.>%*P_M.%'V\4+E?/GG%.:329&.;*:SZ6G^&XSA_O_XG_*
*/E,1F/CV;^^FL[#*FN,,X M&7\;39IQ603A\M.D[#RO;E+%H!G-F2:B6+:ED-H01QF09"//PDM+XSJ5MJ77*
*MJP$ZA!)^)18CEMO4+_(D0;YI\KE!9)FDLXLBB)*IZ%H#FHF! ML@IX]F)C MK&FMTC' <-*EFP\N1QB^I3&L-*
EV4C>=&MP/EH.I78TXQZ_*(5X M)1+Q+GL?O59>KU>6/>K5M>_,I]VL5[%TY"Z2Z%=,.RT_$MSA4\3;G-2BR>*
*M5Q%9(FZ(K'1VHU0[3K.AZ[OV;1 (_A/0%/-F>6:\76!G*WN*
MWV_8(Z%"C[;>J;GZ3%I,0C,>A7M@'P07I_YR=+%,&=]06#NF'--$8AA,RDT" M
I)'D@.+D$U4D'0;7NPY[I$0HT]K;S)#U2F.+O'(?/:UF=PV_>2,(Z[2 EZR M6@=F$Z M3
]AM^>I$('H_>0:=J)+V@7A+6)I)+]E]PX F6C8JAB"IQ1'FJGF88EPQ,Y
*MIB&YL(^M^U"X:"9I=#%^LZPGN.W6:X/WUA%E 5X6LK&*F9U* W+?!88Q'I(!"P"I49Z'65R*
*MQ+K4WFXT1QT8/,OD/33LV(YLQ?PVV 8+$.YP_2Q!PO-\V(H:'1PP2+!P'Z,& MDW0L/?,X[J.RY,1*9XF2*
%XX;\&L;R9?'CGV#AH&X,8>=N^!$W]#NTYQ33O- M7[ZF$]P2-
*U<_EK*7;9'XCO/RTW>3\'-1M@(;6WTA"M<3:5*G@"3DGA1*E<3 MTQ!KJ_/MC_)G"#R>Z^5F4!?*
U$)HL,NR341,7KXX+BCO F"LR?&ND2)PXRQ.A M/BB0N S+ZEVZ'P XH@#D^8:MF*O< +/B>!LX/849;U .$UET<,XN-
*W>P;]K MQ3HL!<# JR)CG19,QAV55;SDREED*5'!:I?*#>+H)Z*$_OR\CT$K'RPCE/]. M,)ERRNB7KY-F?O$5?*
*\MO*AF,C2KI0*S -4QJ2XE77)(4+G1_0@,M#C#Q:>5E^4/Z M>@7CUY.F7!^:+JI9QK L;3F93YKK].'U^Y,'!0S<&-*
*!)29)L4:QD*6(\XC5A MVH,W*M,@UW?GVY;JO0<>]BIF'5\U0QFZ+Z&&LY#&@!',,D5ED[,&"HQLB S.*
M$>M9J3DM\8NPRD*KO$Q;D8;[@Q_)ZM[=L)N>UIT\O<+Q^WAZG<(HC])ML-H" M5$TMA5U #JBE\'PG-
*7U9N+:.PDYP3"O/792$<9R"9 !+(.,4Q*TW./TPEW*- M.'Y@M[?14>C9Z_L8MB=OE]/F +?EYMS'X#V5!(,7G,QN#*
*[6'1T\#Z$DGI @HDU M7/*R!@Y<2%88@./V3'%8_6$^\"$>$I.<5 ^ M[&/N_GFP6KF\-S1I7 AU]*51!*YACDM<#652"8*
;;6J?OF\%<@#IQ3J.>MS] MS[!R#_'!?9FA#^5O%\,6HH/-&N#81"4FPC.2V)+.T 57);9*)ZJ-W/9A>6(*
*M(H0JYMZD@>V#!BO*MT'64XRP&]5A@H0ZWFM!B0ZF[V%Y> 0A2R:8J".1AN*N MV 4*;E,A#'9Z:#!B=HJ3T.3XHE*
86A.[&/QRD<$"V6QC\TX+/O+W-,8>S6. M;U-.^'%\@_^.9C>I:R=SC+@JDI E12-81D!$2EQ,DGE&.:-MS@CV'WGXH&6*
MSYK!#-Y'/1[^O=/\:C(!7#-+#FWQ@B,F*+WG!A66ALY&HA5IG2.MSJ%S+1- MU^Z>O\>G,)09"[%T(]4)U? M=RJJ>\.:|*
*MVL6%7!^D-9YJ$KE'FNMLB-42"&=*0:1* MAU2[(]XFBB.*0#J:>,O;7=GK-RF[%J!Z"C*VX3E,)-'568_ZOH.A>X@5MF*S*
*M*DE@#@C.08I(Z@T!@TL>SU$R&JT4O+92\W#.?V+5'\+W^]BW#QG4-)NER6E>*
*M8KNYF@;:.@QGB$PELYZJX35T+)C+%KM!C*RD10[54(DSE!]\!T7>?*
*IP2@]:9VV)_@E^+';3[%P&R6F(F@CO$69@F0!7BJ0L MN U)E%GT0-//+)]7M.$/8@0W*ING/P)5Z/EE9V3*

MZ6QT!3,$^PEM,?*7J=CDW I%-;A(O?E$ X#;IMT)DEDW%NIH' 37'F:(_N MQ?.D9X?TJ:AZ#^G-*
8>Z/SRG/2W^W_YE/%SV\WJ']SG##M6Q,]/?1["O^CVBZ M6[&7\Q
*2"THZ(B+@[MUSW+T'*DE0%'#Z"U*Y=97F/NCU_"A'1^Q M*KJBXLV"Q3W6-:GL55KA!#\I%2H8B*
*6=',ZYM$A52],UL4)Z$GWT01@?V<;] M*W7@Q\?YL5[O+8I*Q:'/@+MIMO!9UQKS[[#]?TSQ7,(*:52] 820>*T)8E# M-*
*A(G9**2466A3:S[C*&/F0W53-Y#X<_=)?F[!>[55=&P??4=<(SXI5G4LGV" M"2YS@H4L;>3$!(-;-,.*
*E!MWQ$IN;/()U[G:Z\=> %\\B_IW2Q^GMS=[>-SL M?T@7<'F'>7KNM;-)X>I&/0*4A=J>,TX2ADO9I*2#JWU^]PB)*
M.YLREQ::G#W5:K"^[/H02B[80I-.+;'>CQ'"4NAX M/(?+-\VW-(&+]&%T-9J=,PV4%9%&R71)'QJ,C$ %0A77D5'0L55;M,?
&>/&. MKFK$+=[MG(0MCW=3PG)3&[-BX.MF,FF^ET:L<(T_*9DX;2F-I;:2BV(!W%EY MG1.APE F0" A:R\4^^!
[\6SIW2E;&-0Y/[HL@YK>X#V=STIWWEA2N(M-U7EV MEC-&:$;-*
)&Q:\7C2#M:$C@34QIO9"\3L79;DS'PY2:QM_"CDZYT"6$-\T5 M3G2S%'\?XW?>0WB&J]OLQ^MF'*?G-F 01"$0ZQS"9"*
(0%S62V#C#(]69IC8E M:NU'?/$,Z-' 6WC0*5MZ[S[$.+XMO11&?O[@>L0]I,MGNO<4YUYH2058PNC"
*M.@RWW)8Q$IVDRCBN*_S(LHS4!P%7P9TQ!8./3N?NH ^O[Z^'*7)JO'&JM/[*
*M+>XO:7)STOBQF8WP+RR$Q<\3!29%PI 96$#:?DW1W#YJ9DNO'/RYZQ< M0O&7Z60\OTK+&?><@DW F"-**S0?*
CX)8C5.H-@$.,W2UNX(V=>S'#DM!W;V M%A9W3OBV?+!SGB7//N.6D=O2=X,S
M1;@F\:2&6BX;KVWJPEM'\VCN\WEBBV4 M6:6#_^W7-7OA0_RQ^,'B\V/SRG_I?SZ^^?WM[;[_OW[+U^;*
*[U=I]DMHKGY= MF&U-F6WZ-LU@=#E]B&$ZNK]^?"J$VO5-O]X!>PAX]74/W/MLB*F\H3'%OU:5 M*
[PC1^GI[@HOHI&Q' DJ@H0(A%N6LX4$%FH?W._"4EOZQMVVRVAOY0'C+-_M+0=**?[7V>3>;K[$&KFNMD_L"-
Y&1ID_2CS)>@F]\.'?LF[^.H5KK)^UBYA]OJ;Y.?O1]/,1"YU=&B M3L8H15&$]HB#/OWRM9E/ M81R_?,?/?
*]QKYI,;=3S&@O+:$$,I+H=FH9J1(PG&*IZ"HEFO:]%M.ZSK!&+X M*". 'YM#.*'W". .+![9Z2A(]W5^'/3=(L:<.*
(PSMQ;:3<&2[!UXIJ05HK9T M87MT!P\SZ^2M>G)''JJ6S=55,SZ;->&/MZ-OHYC&<8KHSK[")+U-X1)_B>?& M>8A)1
R/K2<8'2?B(E=$4QFS5.6^6.T[XFUP'0E9JKN@\NKT?APF";8%R^+7 M]^,VB%
<4/V=6R9@@$%WJYZ3$B=&97/K2))P@A:6A58E:)Q OG"C#.F'G9N>9
*M9V0;;__"CBG%JU^W'@)_&$UG;4[+VL\P9<#IW113AM[O#*W"(U0Z3;O7M>&N ME<,KCRL-A-K;P'@SWMC?FGTH*
M]Z-]V8H:JX/U%W"K=1O%@VPDG5ZTPL#=PQR2[M\-<6";5'S-.')N-TFI#0 M_=!H[&ULU+U[D^,XDB?*
*X_WX*7._M6I99H(H/D !Z=F8M\E$]N99=F9L9O3UG M968P3+76C/$)99E\]!YM?C'G^T/SFH%C'B+NOGG/__IZWK]*
M^.=??OG^_?O//_AJ_O-R=?]+EB3Y+]NK_]1=_N/H^N]YONTKHZ M=:%Y:/K+O_WUPQ?Q53TP6"WJ-
5L(2Z"N_EPW'WY8"K9N4+_(%SA[A?T7W%X& M[4_ORCEG_ZE_\"0 O';CE7GY4&]K]_^_S^+$GZB[WBEX6ZM^_VDUI5
*M2_EES5;K#XRKN>&^>=KZZ5'|\Y_JZN%QKK:?25TI??JQ\]7JX*F62VJY3$O+ MY7\]1^R7*]B/Q._ZF_<(S#7B_A:+QR%,?*
XO&[IVQ$&I\AGMDKF:Y_4]6\BI MOKL]4E>S/C['L;X6RS6;3_"UV)/IL3RW'WPPOW5D[(,&C&E#IS/=/5;5C[5: M2-5:RX-*
'@TK^\Y_,;[.OWQ[F7]:KC5AO5NK+4[U6#_5?U0-7JUE6%D)PP2 I M2)1J10D@A40(X2E+@K)M9BM=]_JF5K
OWW9,M!0N43B3Q[2K<]HZ4K5R\U MM.N;(6O7]I:3?WFWN*\62JW,2KZC7_^/7_;\!<$RGT#8N9><.WJ@(PA^;TG^*
*MOU<+*SN7]%G-1Q;Z@%:X\&=E7HJ#9\ZMC()?]H#XL:_/Y M&U9__;1:?JN,;7K]]+=:R?>+CX]J9=*
*[\XOY6K*MOU;I2]2VOURLFUC.I,!6I MRHT12C*(TM+8)*DH)&E*B"Z+4F G2S0FDR/;LA[+8+T$JRW3P+AMH&K8MI\+*
*MPS1X[+@&]JL!EBW/2^/0NYF#45_EL/7\H[P@/_O[[-WL^ 6&8=!R#%Y9GG^R M?[9L@RW?@#^!5Y9U\PY_*
*CONP9Y]\/M6@//6W-FR38'OWB.J#<_-N)K5O$&X MH_^+M9J_J/FZWG[2V-'&AH[*XB16>*
*J0MW9\$EI^*T&]6L\^&_50G0N1*HP3 M8MW(/"LAT@6#C!E?,BF2$A6492F>:0":$@$A)#JHPR*
*M93QCQ/B=69'(67_C>W%M/4?*Z>MV<2_*TSA,U?OK+:+&IL(<&6#;!< &D8 M*
*]^^\G/0SF+FIN7<14208JWIPB6&EB:T!(%EF]\U?V27)%6Z+-D)EUE+PG[M?*6\>'V8*
G]9+\4_]M]PL\S>K]C#9V7MJ5U=-^NORU7UGTKNK[E]6&X6ZW2F MD2JX9@3FG)K=#3'[');H!"HF&.4H2S1%/KN;
*<%9&7E-W+ "VX\'L9+9, -9P MX6<"KL#=S4A,@Z;G^OV5K138$P0=5S=@#_&>L1MP.PRLMX&Y'I-()N@*1B8U*
M4M<#]MR,17ABH%3]]9ZOOOQJ!:RLL='M]++\MUHN[I;6GGZHOBEY6]=J7<^8 M1 E)%9(RA;/9-K?CRA9'L_*
'Q=+1ZH^#CZ>9 M;YFX 3TVC#'O&+%G28T'V? "6F8BVGA_!&(9=0_*TUIQ?TB.S'; (_SLM#W9 M?Z>ULL9'+\N
M5Z]Z7YC;WJR4X:YN5XZ92HJ\5%D!>:H11%DN(=6R;#:DB9((.)DSL=C<70' MMF'([MV^;5D";,O3#= M5V#-?*
*@#1\G7CY=6.^/(NARU?_I7XF<<=O]LS=D,: M6);!(<_6*V[?VT<-=GR#V_U[ZUAO'O!F^]XN.,U3O3?W".S+O[^P".*
[+OD>O MJ/'"X$_]$E4ES@^E'MD2F%;9KVO!SPL?NX\0=J]5HME[6M^M?E7DV MF]MS^HWY-CX=R#*
*(C*L,)+A*8HT)#E.8YY#Q-84H3KE128L&]#HRB?O(Y]5]P]2;S6JEK..F4XFYE,9 IQ0B+13D+!6P MH$*I+.="JM+K\,N-*
*[MAQ\8X+8UN_+2NA:E!O^+\;O;?'$7K3).)U 1;/,QQ' M6!W/;^*#Y7EVL\6IXV!_1+]GX@9T;$0\M?&3.]:)C2/5:4]K_**
*X.JGQO-W/ MF$A5S=XLOZG5+C&N3%F:9S2%I4*I/5PI(T2F=^V>O: M\9,FT::S FSUY?*
*P%8I8!?;#YJRU)L]PWN<4W;8:QVO/< MI/*L=A(U?_=;^2=^XVX.Q!_W/7J:M.:E-3G'/0;M4=KNC;67V-?X[,/#.UJA*
*MP%8J\&HKUT\W8"<:V,K6;OQ:Z>*Y-R_S5B)Y21,S/ZFS]3(OYKG/]D)QAC6?YR2CPWL^L9RG55)3&*'169 MNIPJ.=$/R*
L]5U$[8*>V7-B%9MG;(3VV/ '>;NW]3^O<,'8^B(L'69 Y/V%] M+6+]/67'$GA]";&0$SOO\>,=CKF1G?K@C%D3QKS]
MMERK^NU&W7U?WGU=;FJSW-]]-Y__58MMM4).93V M'(OK4B>N,;W/6F/O$G-?TZ2Y+^!AI$;(#?*
]NN@[K%=7R0O!]M'Q,?/HC2, M@(Z3%B%@> &&&;#E!K3L ,M/0&VQ+WKN(>\140R+91^B^7JYD->BZ16?#L1C
M(/#L^\3)(LJ!HO9#Q:&/"//W/JZ_JM6'BO%JWI39;0^T,=-96A)C=7&10Z2, MP:54IQ"C/"UEIA7AU"=.
*<(;.R!:VH0I$2PO,]^3!J[_^].I_>Q;VG,/*S4V+ M@("?#6V%[U$W%VW>$/:M;+T+EO*NZ&@#O*
M7=16]O^U656UK$23F!"O_M55MMCY_)O$PJP!EAST;USUWO'U.[6S%[6//E MZ8$OY[-29"S)FPY&E)D-35E
*RI,$)H3+5"J)BL1I0W/TY)%ULZ,%6F+N8;5# MZ2^'U8)E\MQBN(GC%50[R7I04.WP29,%U4X*T ^JG;[@JJ*MS^IQN;+-*
*'MXO M,:!?+9FOSP?BW[VT>W"S'*D]UIFSL*X%(YP@RA3F419DDROBA2+* :JU!HF-G MJ[0L@!T/H,<$^-VR 1H^/%*
<\)SS=5K_8/FI9@2 0BN+G"2.6U(T3/(E:HF< M0#A31.1V;Z#!$%^5W,S51_V.K6Q!J0V/-&7'KUE=B=N%?%O--*
_:HG_&YNE,_ MUJ^-=/^8(5&J0D@):88(IE22#.,8$$R+A311*+FXLH5 SW);*
MS2=]#6I:.]FF3\N'1\,F:+AN8JT=W^#=IR^>MB?PU3B:H_$!]{10/:RW+-D# M-M
*P=7,"T=\;UH#E#33,Q;1=U\$3RYP%T<#UVP//. M$Y[Q6'"%@N MFA8=;RO;:F\A=l;JK1)S\Q\Y(IG,=)DBJ*3,(:)3G&:*
<^U@- M%Z(C6XV6!?"J6H!-+<&C6:5K2][S]-\)OIP6,MTM0B#B6:%Y M0G+,I%]/C-@
*!C7#V%$&LB,Y#9QN1C1OP(Z!F[X[N.4B8LZA MA\RQ,@5=2$Z;W^JOQ@#21M/84 MA4F5=$#$YSHY=*E_HMG?*
*ORHU/QP5DF$.,RA4@)#&F9IU"I$F>8<9QH MI\/DTX\?6?%^-4\P"V]#UV-@Q D8AC7M>N'\E*RA=*
<60B!,"NN=J72=H6#K6 M@/I@'W>R;1_D>I'BAZWBB,A9FWDVQUO7V [6H_0J95 M$ ZQCE]\;$]
[YA("R]'A2]!#_#V2]PNYL74^;'Z[D$V"V-8O83I),VP,C59- MD%M"DM@!C9IJ11)),7;V2\X1&3US:TNV"7LTA-
W7\+/(7'958LCK9PMZHMYN M10WP6\[[.Z]Q)]S(<)P\#+I[DDW(!G<_;6R?R;2\SWO9R+UUY[_- <_,\(*
M$RQ/M((T3PO;^B4SFQ^<0:R3HDS3+,7(JT'7L^=/>.S0T L^<6C1\#UM\)8Q M_*3A@GA7'#
(<"!']@%]^@L=+AR(=OY@X?"R*Y.PWRP7-M-%+<13^Z7*5*

**W*,*'YV&?$RUV(O81G9?)Q#XG[ME4[+,WA"GP\UR-3\MY99Z\B_6G5$B<"0%E M2HT:"U5 0IB"+"V0R+5-*
*&W/J>N1(;V1E/LY\E/@2VBYJ7%$#/R4^51Z5DL< M_-[]=Y24"$>!(ZGX)6J3*KJCZ,_5W?6V,*7_M%H*I63]JV&W"?M]?&Q*V=_]*
*M4"M1U4K.>*D9U0F#FB8<(BG-+AP1"DDNI4HHRXCRBLU=I#BRXF_IM^=[JJ-J MDZ?4P^-\^:04J"U;8-*
GRY6<6+N/I9ABBHN1G&@X!:HB#CCK8D8]G$9PEC603 M+M.;U"HXB_<+KC?&&89/K"%[(Y>&"L04S%!2%FY5<)A4P;.U FFC/-"E5P*
MKYG.^T>/K.N64'/P-F\ZGU7W7WV[TO10<%/<,-G\-+01]ZQTGG6(ZE<[\&3 MZM:Q0,^5Z,05H4-*
*!ZVY$NYWH95M7S6W6XHFIVH5,24FSS&Q_;4?X3*60DTS! MG):E8(PDA?0*GSE3'CUTUN.C:U'7<.(Y(/M*>-VT=!30_)0X%EX!(T<]98\V*
M@]25[L1#23WA.)Y2ZON 0%?=5I M%[?K7UFULM,PU.Z7MU4MYDL[&[I;JZCB MQC=7$B9E7D"4%QB2@E.H69Y)9.=XN[6'"J]MOO>_
*M[@&]H^<^#E2>/OPEE$9P'P($C^72>U">UKGWA^3(S0]XQ-65$,U!0_UQLZ[7 M9F$R9FW&2"&PV0=_(AB%B'$->6-?\EQF)"O*0J7!*?*
Q'Y'P4(VR.99N>WFWT M]X2;!/XF<;\.S]P_1L_- MUK8L>KDP2\?[Q6]JW7;@K43WG#?+>MUF>LUDFA>"\1S;Z580)3(S-B/!4&F:

MJEP)E',V;8'K9BG&9ME)MPZ[YOINC1JF[CUA5H#MN4>O+HW_/\$C!'W/)88 M_2VZ6:P_Q)L)S"QH. <=26!YOP${[H%E'[RR MB6Z5L90$\ (P&]P$\,V]K4= M^+>2{)[[R@KS4Y<%&3-Y81K@HV5#C,SNQ.D5TX!_G*\Q$=W V-5UT]]?+3U MNF:=^ J .2\5)SK$N=0FIU@E$F4:0TCR#FM" <:*2E2+UZ\0V3&_M@6?D7U%_ MQ_%X.9K4GD?.#5WC%VXI@Y8T^'V4,+&;F+&.IX>)37MD[23XT3&VVUTAN=G/ M.Y\W_B@WOTIK5=2B;O- QN2!)6:8)+!&V%9PIA[S$&FJ&,,8L%Z7;J;8/T9%U MO'&_84,5B!Y9GUQF1_2&=7\L3/PLP*EQ!N\7[8:Q0^G-N"CY9(#'1RLT(SP. M:IXYXG[B# ^;,.SY]PAQR/^$,.<\H][[VB?7BOE,PX7=OR+IUSK@B1D&7,=A W MOQ%,C2N48IHK+)E2V+N# ^$E2(UO'MK9AM:<A#5:]G999FN! ,YLR6RE(N(,US"HU[1*7. ML19^8;B(O(UM'@[W"3>[COM/1F=V[-Z '<,V 6_',MCR#'[?IE7Y&G(1G@[[Q;&/5HURV?$C> (<,8RG1$YF];6QH? TR#B/0&(D:SXC MN= (YR7,$2HA0M2.["L(3(BB*>/2$D&BVNBQCZ:6BWMH[GL CUT2@-'=>;,' MZ8]Z$7-6UY6NS ;$#]5K/)O%CL>#2VUNDE1:K6R',]$<%?IZ>Q??0B3C^M(F M6$VUC O M9&)G5Q>02UW LL0DPSC'"'4\C9'U>8&-DT]-2[I=2&.-1UTM1-7F- WZOU5S!G M3TNM@3",>AJ10.3=+,OX>/J9F_/9H98E8W)V4._8 GN^1D\6=<1EW,S12TS\ M$=)('8%RS"EU?5J8:;-.:%9__;1:VLZ/\O63[8C_?M$Y: (:/749K6WFZ,9]U MYM:PL]C-O MD=!W,W?38^IG_FPN13/6?LLAX$_@53.AP2;.G$+[!NQ9!7M>1TFACPM?)"L9 MB:E)K69<()],TCFOI+7AAF= [U]VR_ ^&{U^_OWM[.M!)E490(YCE2T&Q2%634[%R3/,$D14R1 MTJD.+SYK(UM72]:XC"V/1M-M%IVTGZV7YN,],Z#E!C1OT#T"&?DU78[FOASX M?F:XP7W/J#6Q+:M@S^L-:+@%'S7HL]:DPS7WWRT/_] R_6)OQSV*_')O*2S6 M_!)ORRLN/0Z@]'KR 0GBW&/ U0_$CX2!? \E\MWBOEHHM5+R2[?C4=M^Q1GF MF<8JA30GW6Z"EU) +A!%I2@2PIS.3(;)C+QT[0F#/65WXS< S^5E)0[0?DO& M27D#^D .",YNP>, $&:- _5Z\EQV]+-: 31RX>3+[=EF OJURN-K/[C0];%=/ ML[]]F:6)H"HK"41"E!#AG$&240230DI=H")AB=-DG_TC1[8G?W,<0=B3<=A0 MA"N9Q3^]MO[NW=OP9>[V[MWY_EWUH%CE@>F"7<7MSOH[A_[S7/O49-\^X]9 MWW[33_PEN,*K"=6U2?WUMGOJAWU$KQ=W0R5- 5":T651Y I%4")*28JBH8F:1 MS0N"O:*?/L0GR5#SB&F"5W_U+/KT@MKM9&XL 'TW?ATT'1O[[M6@Q\DXD<\0 M!.+5*;F3GKKFR!N4$_5#_L^(567Z1:V^54+9",9,YGF9EC8)EI1FT=6<0Y[8 M\7",D$+D.1?>1N<\M9&M3$>I"6A>6\/9Q\C96L21W- L\G*B>W$+Q9@B*"*6. M)T0H<:)YL9_D 5, M"R81U@737/GUA3A)Q^>K'-00XLA98 T_B[!:9CE=19N8+- MGM'JK/EEKZ[7GSR)NCH+N%59JQO\S[V_5#|\^ M+:O%^HOZIA:_5M_4)V5>_&+]>KF0;5?J[OOR[NMR4YM|U]UW_'3.]N\M#L M58J5.LLSR MIE%J3!%)<:)@72<*Y4A)+IT[L5_(QLL]7/^,B^6_ ,F*6)[E1 MP'RAB/L)\C4(7SY;GP@W/R-AF (-5Z!A"UB^0,=8 R0PK '#&]@R![UKN0,-> MP#']-2"]G^-/[';80:\%_;$!O6Y UQ;TQPYTOFSF@QO4UP;U]1;U=8NZLGS^ M'"D@ M+PL,"TXX%BA76>%5-'SX^)'-^+9/2&#GWV=0N&VDP@7TL[? NL@5T0#DE0K2. M)P[)FO?YUN?J@[MG\BUJOYTWY63W+1,$EP=SN MB.Q4&X8A1Q)#G'*S6](9SY!78<8 K9$5;4NY&;LZM[3-@K0C[MD6=P Q-Q6, MA(.?/AY T) %7QP@\&]U>UFX6*UM!RA-V\KVLLA'K6L=;@D<6&UV8K*:;^SL MNB]*;%9M|((]J+? +!U8M9EQSGNT*0*IP"A%/,"1,&R7GF1*E+GE>^,VHOD!P M9-7NDP=[^C? <@!^;WGP7%@O8NBFYS&1\5/V*T'QGS7M*&FL\=*7R$T[4=I1 M^*,ATJ[WA59CK]NVH;D-=MR9A]S^].H9+T16&DV'24*E4?\L@23-2XA*I8SC MS),RDW[5E]?(C*ST>Z)-? U8LL;5-(2]AV>))(A- 7)0X)>EQU.'CUE1T8OJC[9NWO3G\P9Q(7]{2:,0$1,HLU)RB!(B^0 M1BE)N?):HL_0&5E)[Y;KQL^^]O\]<0X8-[V,(*Z?8NX;(&PICC!#XH)4L7L= M/*/R,AT.3HMZMJ_!FZAIG1U^(MP?!E^"]L'9WQB1#T M7=*}P/-WS"-(*,*(R1B%-C;%" M&4X@T]R6%6'!%$&XS-EL;==U-[/E3MK+2.T8<- :SIF# ^<5LPWTQO7>ZJF:,T M(S@%IYME&@?_0$*, MRQW[H>I/[,G:]VV76B(((GDF84[-I@4E4D-&"@0EY51*E! 6$B M*?0I"I-J[H"(SU5TZ-(P7? PBOBJYF:N/VG@;FX=-TQ>IR:FTQ*:3 E&>T=2IX"\2/R/K M^)8[VRCLS5?S%_/=KQ:@QVI7U7/ ++!\VL5Q-SC&SQ1<^X[LF38'? {]I=TA@C52+!%+QIXTATG;M%G)FH[#-S2MQFDI-8"&UV2050Y2KR:N U2&]D(-K1A1QS4 MS'M8P3!4;M8J&@!^MJA/%O3HCG%XZR1B)/LQ3&M2Z^ D]G/==[LIT$7:-M=^ M]Q^;:OVT6\3K-C:*4$EQCJ&0Q&QB-K)FMR3W M;DH==#](C)>C,Q(+!3_U]@; WVUP$2R64S!(:]HEWT7LHP7=Z:; E&"S_K== M"N_50CP9CV&U8?,W;+5Z,A\U\|#;P8[/9QS-2)XHDN$^ M%I!8J=/!? $R;97TM7$<)V5<_T+]&[D3HJ/Y7-9=VHNW<[I96;&Z+(Q CG,/4 MNC*(2V:;2920Z%2]4C#&2NOJC,?HO?*RYP>,UD= MF8]0_8(QK_MB-=8Y/=% I)@OCY2!)(2D)@4BE3:]H#'/!E)8$(T653Y3;E?#(M,6X;PWWL]#8]=\ KWA+W;]WE!J2;OS8&/'X&\G1/'HO7EHW=G]XTN+5MH"*Z M:+X8C- :TYPS9%^[?,PS&Y58^%^Z/,,[(/]\9-E*KU;8:DA EGF=U#"AQ MX=LQ:!# 88V/#XOG*?&5B 2T$'(1(H^0H,/G]B9D(NHQQV%G.[R/S+Y?/=O M;Y:KQ^7[()B;T)SRI.G*QZ#9>260]TQ Q54BRH1)0IT2]<\1&'O5OOLWT*/I MOL$ "<;E@XYK1?1>]]P,+59P$QG6C? 9VXOKMK=TD#]M7G18FV MF3Y!8N(=]'DAC[?-]>&]>!?-FS%%FNEZE]9M6HBFV^K6LR7]6:E9DF1EVG. M%:184MOP6D.&& (&92LJ2TI+APJON8Y#:R$II]B"\.3/6AC3X9FG;=(G['4M^ M*CH,G)NN1H/#3VGW9&^)0P:RF!/.IX*.TD829>';4VJU$YB/]=NMYN"5]HY MJ^M=1]]?#KQEK86:Q,K,V;]M@< MS&V2D.UP^F@X78&Z-QVC^;BYNLFWLOD-G:S&]V70+'5HEK<>OJ="*_1V8N8 MXM6$^AP'O+7%O['AB2^/+#Y_/6F-BY(7<]4KC1F%$&6?G%? ?AB:806+)K#G3L1#5FX4;?O8D:NK>]Z#!%V8W!W]$ M\'R]^>=8=0PTB7OU1%7B7B!$KPIWH_Y"5>!>T)RO^O9{3*!%VCP^SBNU:E.3 MU:>5M7D+X%K2.]=(=#>D?X%7Z6=R7?HO^9GIDB&/9\[*8 MG-;PCPSVT0HQ-KW@7K&VY._7Y>K=XENU6BZ:I)_Y86&@{0B8YT62I5I#7HC< M>+5%"7F&,4QE*I3,BDQ(KYQQ5*CA[_? E*S:\]55FYD+.)O;5^3="-8-2#=S M.P8\?N:SXZ!)/SG@ 3RK&8[:4=%7[G@M7MW(3MW.U0N,$ZU;_>X/;4UB7-K/ MZM%\D;ZR6LFWC>_;'C8WX;V9)E@D29' A",*$>$%I*34D#&%1&)^9%CZ#92^ M2--',8*&2S<<@!X+H.5A%Y-IV/!M6G()24=G+28ZGE[7=; $M#)Q%#5:.Y-+ M]"9N:>(H_G%;$]<; QV+DS-BWOVP?4F5M($IVTEETR88?]3ONCBQ8:#)G+]M MPLDS1+*R1#]!YG_:_* 2*:W2C$J_;O0QN!K9)6FG$-M="#/2N.+LS46'OZ-ZB?2-;)]TU:XMM M;L#M<*>92".I G$;=6Z5+T]_@.%6@3"Z3< *?;A_1=!VBFTSG?;Y*-NF4_^I M6:_&EW83ALOBBPWGARLS(]K3\F>#B MOX&&D=W(<>0_#3L8ZV%S.36"GN[<;OAX.TS\Q CRAK^S,\@MDU>,(\&W7\. M^13@AP\CO_HEQ!U(?BU8#E/)@TE,/IK\6C!.S2>_^IF!Q6/[\.X'D:Q9HG0I M,E["'-N9BRK+("DHASA3:-QP MG #.ZLI374^AY*:I5\KNIZ2- >#MJT3>4 [+$ZI]Y@L*TG3'/BWC4\W+@TC!= M;'MN_*[.?%G]+ZZV(0_)$TL23)"95Q2$AG^OBX+6!RFB<._L_ MVZW;+'%VZ6W6W4K8+"SSA[8%4^^#WI4S(A."DB2%*5(2HE)02!-=0$FE5K97 M0EK06=N]\,N:K=:.NGL-3SY?^.><>;G$- T!8QUCM23=IBJL=8^W?V1IP=5\M M[(%6TX>[H>EI$ZYZ25@K53)C4!&R.>\R(Y"7+(>ZD$5"D=E.9KA[2>\6CIN1 MB5_1E]^17I R'[_(JW&TZU.![;D -[@WN\,>O1NP9P6TE[39NPQ@_M(2#C"84)EZ+,55(BG7L%1T]1&=O'[I964/[SY[1S).P.$8GKQ76,]K8D-L7 M[OZ^)1ES9/:02+$"@2=I3!O8&Q+S*% W>'%@+Y'E4GZOYN8[9XQ$I,#9XQ%< M&&\QM>- B<6F'L*2E1E040GJU#>D>/++.,%ZAELAI4GCL2>7J^_L%XE MJL/R7%&?>N;!DQ6G#@O6KTR]<.5UD;JNP.QN><=^_+U:?_VZG-MVL[\NVU23 MUS:YSR:CJ$7=QL)S+(4HR@RF3;,K;%8M7AKUQ()PHA43>2D"1H>%\A,0[@N8 M'-9."'}JDE6PB8;9C39-!XQ[L){OZGY4.WJ/?6$UJ\ ML5UG0(^5K@LU;%@!VRZ6MZN5G51M?X\?>0P%)7)DTIN-%XE0:$JARI7 4N6_UTTUA$8P#71=?O?_)X9VX6<%ID?:SAQ#>PS(UF".<0 0#YU(AC$"0Y.:R'@ -/C>6$9\V0DXT1S9\>WI@M>/% M:S:L#WZ7-W>M2^^WS,1KZ0A0.2K&A:Y49JP?9&7Z(?-C/QN M#?.E=GDP^P:L^P8[C&28%TC8&0$*HH01R!+,8%*D69KD"-'$[X_1$+'T\LK\ M')M!@-QU)@X4DH87YK21*,:3S&F?.TAE9-7M MZ#8Q]XZP9R+:,$:.7U^PHDGL>K80([;4]7Q3JBG7X_+,G6WDOBM=?:R]?'-H, M]_U"+UTV@."HF1> &E;-><.+[Z6:HY '-'N;[O'A{GRR>E&D?[XV- OR)I(D$IQFD!<%&87C$@"]38_"D&9R%4F MB9_?>Y;2R"K:=N)H"7JZO>?!%#:2\WN> MSJ2>[T5QG[N]EV\(T^ 3TT/JW7&RS(NBT I!D>O<=AP[2]+#H506DA!$I%[M-0X9(C:R'T\<75.['"#[P^:FWK' \-/P*E#C).8&:%!@BLRV&G+(2:CO=*U$Y804.Z\H=@[VQ78%> MT^Y(? 6^ZAM6^36SCOE0W<_5RK\K/P)UZ,T\W^Q?S[M,7\(;-Q6;>;3LNO($K M^H3'!"IZ&_$HS+U0E_&8P)YO0AZ52F =WG&LH2S%%?!XDXF/T_N)::47Q3^S,3RR_>%:?C=RCQ7&TW9Q4>,K]!K3]^6 M6.W#XHJB?.LAT(2!I'01N$U%U"EIT++K$+ ?IM%R,U(>0B 4D4R)+_5)+4L@-,|-3>AC_,.GV|O MV;)\M4?XO[$'-'>.))'F:Y)"7)#/:!IQ 8DV,9D51ZJ04C)2M=$-3!,8^A.E(-M@BU- 8(FZ1TI/8G(Y1GJMI)YA&#\AO8*B0Y($A4-//G"R0.B0./T0Z.!U_JV# M/ZV6CVIESP.LP]!D/=A&!8\V2M:>$!BEMA5K3:\ZXU?\?;GZQ_M%DX'8C/3- M,B8RSB$NC5./)+<'J41#D292EU@2DDJ7S7L$7D;>W.^YNP&/#7_-VJ.V' *U M91&('H_@NV$25 OPV+'IWO7VVG+\"GR;%V;S \(>9A_85[V%_S/? \Y3HOA2' -=!B^EL)D#88C0='O+QSK MD?X+3V_G]*E+;[\USVS2,[K3#\Q4JB32$!7,_"BQAI0(75""EYB1HAV;JCA M1FZZG2+8<@!V++@;*@? <+MO]N&CXF?9A(*:PSL@XFZ=XR(39H #ORI>9M5= MS@'+Z?"0R8RCNT!]^^=Q5V!BX;-@VFM65V*78*/2A'+-)12Y+'%B.HEA!)+C2DM- !)%4-G<>9HCZ[DE#*L%?&Q)!U;0#4#FINF1@2#3]QWQFW;+ M635;3LO +MR]96*$RKK+$L$)0=L^Y-4' MSVF$@_AA7AAS*1CD!*=V_F,)*54:"E5F"F64)EGADR04#,8!XFG\(N(G9M! MC85(T$&?,:0-W0:(=WL@?AL PC^=P$'"6*D$0Z2F32- P$/HHA<#EGC C^5EM M1RU]U&\57\^DRO,$46[462.($I%!SE$"L<*$ZU0I0;VZ+STG,/JQSI:<7?2E M(>BGN$=XN"GK-5+Z'M? T!7P])*'"W0IZ3(I(2'CU^4L4D)QS93M[7> HJ(IQ M.S_#+'"^SLC1;#UER6*#$;#Y2@J%1K106!=:,E)HCK'T6S=ZS1UXC[^PM8+ZG MYSGIJ0>"FT(%BN:G2Q\:PY3KTG3SN_Z5BDH[E-)RX)79%J96ZR M#?O?JF]JONR"'[9#H9IE"ZCD6"PW=1ZR'1(PPZRC&7. "5UN'"M7R;\OY- QO,/!@RU<6'2)XV8TMAD=H>Y11Q2/(B@=IL+Q.LF**8 M^VGY +71M;RC#9Z-,//5[B' 7+4[$@R^VGT&@1%2U)U$C*;?0[0FUF\'L8_U MV^4F_U2":?:7;+O>T%|=K:T.+H|UYJE*8YH38)K*.LPS:#[,>,DSLW.3SA/N M+],.6<=W%;P?^_G4_;BQ5SVN*XC#6C\"- 'YZ_T*H>,R6CXM.X/CXJU'R&Q'O M+O/0%'B'ITPWZ-U=I(-9[AZW!39#?U0K\V58W'^PK8*W62Z2G;M[13!5"9 EE M,"M*#E%&D3%_.86*4Y84A!V=-;C) M3=LYW$GPHZ[@;G?Y.TA#[<9?*[U<*6.(.E41S6JR2[LQ*,/29BT04DJ(BC*! M3"L*)4I+XSLAGDJGX_GKV!C9EEPW?4H#3A\5SO\,C_P>@#Z[F&$IX5&C!;&)WVV M)V<_JH?-P^OE:K7\,G?L[-'\9? TT*S'EI<8)%.8G1)Q1R(N<0RI+1C'&5&1> M>2P^Q$=>!3JR@&_I M$1]@T^>>#I&IT:!R7?\-6BZ1GV[%3M!FR1V_$"WEQ" M+B#,Y0]!M#B8!^F) V7^H!Q'T@*>$=H%RDBU6*\:Z_6YJO_Q2:WL!^Q>I3-L M_,PL41DL<%) 1#F!1)G?\DQ1@C7C1>H5:1LB-O;>M$\:K QM| (K5@-G4>/L' MS\2X0=C<#$@L,/P.OB$.EMP-V!..V?7!LG31VCX-D)]X[]-EH8\;/SG<$OQ& M;VH$-ZNF8K!N:@F;%A#O'QY9M;*>[INQ;'6OZAF6#- -,$Z/;9C^)"F&VESDK M(4%84\+R-&%>3H0'[?%#[']M.FNCRLO'77XG&OAKO7+1\>(?:G<%EC,F\R"0I MFXR%,B&0*4F@$$13I35%%/DD_8P%;FA2T.H,Q*,#ZQKS' 4NWPAH'Z.&BP:I MA@^P9P2\N0!:2+Z#K_CQLA^<*4^="^$+R8G,"_]'A- 8TV3WG'?MA-IM&/,_ MMEU!K8KM/EK2+K9EK'P\3,N[[168MT[=[(#3#^S=7/DU&/KI@NX]#AK MIZ+$FRAX#3#1:J0\2$]<+.4/RG'55, SPBS/K1";ATTS//]M>EPIT9(RO\]5 M<]JUL&,.5^OJ/YO/S]8HS!A*M10R@SGB9B-98)I0K#]H1!#)"USKX]"6(R- M;+$^J+K^,V! [9H'L<=LL_ZS'IT\QB_9RW S=2T#N9P1['((^BS=@QV3KM6S\ M-%R&>"V8;A9Q'(A"(KU]K8>8&/&.M3&:>?J+W_,H?5NA*6W-?@?=B,=- <=242U@]2DV^2>2O[(MQ/F&5,E8F7]-&'^ M$]&1K<:>+&CH'LR^O B5FY6(8"?30HBW7\6S07!8DV5.4=FVODP%O1R MZ? K(_2S^LEK6]2S)4Z.D1$/.A()(J1(2DDFSZRHQTCQ+'N244>]&;F05WCOF MC[LV!+U^#/>6A4@=&5KTW/0Y'B9^6GVA*\-?!N&(UY? A0,JQ.S.TQ/X8O1D. M\'?NSG!X5YC2VPKT|TV[SX>#]8=*3E)64IBJ1$+$4F:T71 H=,%2G>5(,*=> MG!? HC*SFEBK8D{UBH3Z'DYM>1Y#>3Z&#!/=6Y MB1=+@S(]MPP8;/1/IF+MEFT?CKL")^;2L<'Q4_#=WCL.3"K=T,=_-[] M=Y2=N9_@D6R (]%)38(?$,\MA.?=_D4@']37![9XO6JR)>KW"Z-SBT9IV/S=_MQKH4'UZ_?_=FSJ]'>MLU60FE$1*0%7D"D3 >/E6EA#Q5F#/"M4Z<:S^\J8\> M+;'\@"U#X(C*KEZ2?PZK__5Y)ER3[0[H?TW_Z";1LNM$ 01R;JS=7/.1$?1; M*;>,@"V*+2O6:V^Y #TV:D#'8#Q7/1"(2#Z[+_5)G?= .)Y[\;&/N299LTVF MJ_NCM>^6GU73&&%Q_\YL)M9/;ZM:S)?UQI#?U<.*/)=8"091EDI[@&_L/L$" MEFFB2YT+7? BUI+Z*FY%7@8ZKH_GC_[K_J#6X%:MEO4C$\H6UCXL%ZTZ?EW. MI76V7OVK:P%XG:!?C9M4F@]O/QG49 >< ;P>^6]NVXVF4&1E1T(F: (AK*RPOD MC%X)V^DDTFL?&IA5^O'-^T.2[3=P.^_^\W(^_W6Y^LY6/*,B/@@{6;A M1L+/SYY%ALX_E=,?A%C9FAZ4ITW(](?D*.%

<2L@)1FZ>09X;URL3**$J5T5!O/J-GB(R|@&J(0DMS;8G_VP M9,U*;@A[VHV3 +D9B&O%]CSGM!+?^4GLW^9@0*18[0Q.D9BV;<& D$?M"8;N M#80Q'NB.[6;^R:@7^+YMOFLY+ ^WZ]/;,\]-853C=E'@$D/PT_B4CO M=&FD]DYH&3RB>VPO?VX,[3^U&V._'U[>IV"AEF9)%!O.*"%" M7$.2Y#G,2F9>0*Y*F7N=@P_0&ME8]"F#[_LYK0T#WCVGS@+F9AHBP>!G#@X0 M:*>R-F2CYZP[2!>OX]192E,WG+HD\HE^4Q=ON7+V\I?- X^,\4L]F"!.)>&D; MG%-!&$2)C6UE*89:B"3#25HFQ*NR;)C+U:SSY4Z^]^29)ZP^KV M2%"HI) H(S!ATDXOR#*SZY8%I*FDYA^9%(53? \C3CQ_[M'1'$%B*7@>E9_8 M5MOKI?0\'/43T%DQA^484D1S9T\)S;_V"GCFH9,HW++! 6P6[<)5_]O=?6+6P MG:0_+MY61C77U=H&63_JHHF8[2;V>E-7"[,XOU^(^48]^7YQV'2L:X)7*D1) M87;93)',[+(1AIS)!%*N$YSSE NF9PMU;[M9#.MA1*Z7/^=MOU MQ@X" "O5MGQ9+X'L<6P7(];PW)1*\HYK\=7GQQ3X&*^I&'3.#7P0?;$,KAM M:/]O 2I';0B-B3;+Y%>SQ_Q6&1JOG_Y66TK60ZWM MWNG6MBQLICV93:GY8&,^ZS969I.Z3XI,E%:H9+ L20E1RCGD FMD;W3'3=@SX{?%C,2^FY;T>DQ]5N[K+=@&01;#@%_ J\LDZ!:_ 1. MH7T#]JR"/:^CI$;&A2_27C@24Y/NF>,"'^7QO'?GIH17F36CXRU>EUA^6W=@9 MN_O,B$2L5 44.2H@*H6$1&L*$UT4.M%IR3+]5U-^FM# (E]\C"QJZ8$LX*(_I M+%1N1BT& 'YFZHMQ_%33#>(@LOAI65<-"%LN;L 6I=C)3I=DCE8L?H;,Q.7A MP\(>%X1?N#[TX-RHB;$@78^W? O^W69J7N4HXAAG/C/.38+O-ESE,$UHPI0E# M)/$[-3]+:W2/IJ4,5$OZ!BQ\6S@. :4-(CIG&<2E:,(+">0X$Y"GDN.43C M:,+E6R*WLCN5^<**)-., <0,N3B B0D%6X (F0BIDU%YJ@:,TMIL^FZACI=EP M-.S4-\][NWFKOA>V;K9@+,3\C,- @$[SQ4XQ"0!B[1]Z+)QN%@.+5LV@_WM\H%5BYDN4L*U\2$(${GM]&=\"(I3F.9V)9024Z]FF@/T!H_[>C9 MF+>N- J*E[KF/&L+,S7Q$0L+/6@2#+ZC^5_$VMM\?A;S?J;OE%K=?S9I-=IS,L:5:0 ME$!&$8(HTRDD4A!(.!*Y1$5*DV2[;[CS::49QD_ ON(NP.6PLXR[81AM_G' M9;V&*[6N5NWI V\9KP&TS@>H]RR"5^\|&X@$OYN\|+--,:@VQV?%"Q,L48 ?5AB/0L=3XA&TBV]>F M^*82NS_9 6W@53M1]Z<;T ^8&H9M[L"7RZ@'-%^]#K)HW5D#V9BX?>MU8!WW M=[WR>8'%Q>91QB1OQS?W.LNTW19FB"NY"]Y\>S"/D2D&YF*R8\? N:IATPW MGOV@E53L@7NN@L8J6;Y$;MKR94?ACT]J97>\++&M6<_/7^[\8&[1B2N?%"D;9G7%1G:5J6R*_+B1O9D0U#Q\0- MN&_9 .R B9O>G.#ND-LSP<$17#-B>B$>LD?42 M.E;=K!O1:6MIO8 XJJ_UN_N*67!OE@^/*_75[A:.^J;:'D_5AMBU2/MG&3(0YIC#%%B-E)4E@26">4*Z511I'W:*5S)CY?Q">V]T&YN19]) M4+7-T%[9W.&?FK-UNT"OV8^ ;?)7O [-,\I27$!:V-)H7A20%%)#628YYKHP M/[TJ'*=|';%#_ 9>!'CUWO-8X=H7X+8L3 BKWWK1(GK V7;R7[NO[7?"LE,' M&AY'[[H0":^8@P*OX&;ZZ8'70W=RI&"$QU[3#M60:!/BC"LHGC[LAPWFO"BQ MT# I"V,$*2D@2W@.LSS#):8XS[G7O+)!.J.GM^P&K_>H7S'..!@Z-_,5#1__MXW0- %N&#YH=DC#U9_B2MEQDE/R3VV=GQ@S<%MO5LQZ34GY50U3=K0VRZ[&;5 MK+9,IQRE/(.J5V:'JU(.C0.$889I0HHB+63BI>E#Q$96]#W)&MC7 L2F7AM4 M5_4-,)_5@;WGR^\V3[Y^OF_[="'-/LGV_] F^TNL%^J9G=G? LG!J__EZ?<,_MPNQF%6*!VV<4ME3!GNP-8-]\ 7"[10SHY6I[6&87]O0L15U#OM%X>/-5C|/ M:NIYZ1>%/C$#_?(!@;:"&)!E,(Q1KXHL5DU.?/O? K2U2+\;]JW#LFFKX#[J M=VQEF\75G]2J:0*^7P41YRQ720YS;3L#)K;!%%+89L=B*@5-*$5>9B428R.; MH#Z;8,\GV#+:VJ4>]]80;9FUP;&VF? H5SDFT-^AHL5[@O7A:MRE?B;_1BXQ? M+ ,9BZUIC6ED,(\,;^SGAW=)ONNZO,Y2IE*!;%F10!E$A4PAP0I!C!5-12EP MKE.? T\/^PT<^"MQW19:&F"\CY!T&CO'&0,D\8XL'C8_C|CI^SGW$'L>[1T_>MV_BY4*=Z&A]=XZ^40*D2N($T)ALCH$62* M::@2+A),$1/2*>P_2&5DOV-+%[2$NS0;T)!V4ZQAC(8U+)KD?]H6)+2SXCD) M=4(#:R5^OE]^^\7E 96ST;/ M+\L]8O7L2^2 7Q;8I8)VC SP-I_6)OU]!:BOYHT+_9N1]CLH2TJ.L1@/ M*T\?NB/W= .,,HD[Y+J,XATSHZ4&.X(P3D+P)>(OF0;L",R%Y%_7IP1F^8FO M2F[IFJFFSN6^BU/7\!C>+-3*XGIY. M#]=#U+;.\[>VSLTF'MNZA]_OFG2/44IBKX F5CYA ?3)A>&0W24;7C%H\]L MVU^54<15? 2O^8U.UKK1M'_>VJA\[S[HW&:#>ZY427!4XE68KE900*9) (A"# MF6(L9:C$!?*JI UC8^SCD'UO/3]+%0BJF[$:'RH_>]7Q*

73-B/,:;/+;1/#'&?F_VD.TYP@B@M\9EESDZ?/S8V[F&F&=\]E!^QRAKL%2>L=*V'^T8C11/BQ K7'GX M\&F#CB<%.PH=GKXJ3(<^[^K! [<:IU_*!4D12LX&!)+'3>;*B@(PE*10),?^7 M%QFG7J-2SQ$:/9%K5^]NZ5]3(,,L5&Z*%P, /Q4,D]U;'2\)%DDQSY*95$4O M"? M<62]>'ZJV1OLKL5;2]BK=9@:*G&5YD6LHA!VDSHWB4Y A*Q4N<)#Q5F5,/\^N%K-M$)<)BF& C,,D5$1R#@G,,\00T1K1*C7HG22RL@JLJ<)&J*^_MG=5.X>*V*ETMK9_^/!<4_-Y2C-I&;4"B: W43M&8N'7:@)C'3=.&+O;31CL: MY+/Z9K[D/Y1? UJI;]5R4W^QG]A(C#TWKF=E@51)"P1%JG/C*8H4TB+'4.(\ MU2S1B4J11TLT%YI.7]JKVYYMN6C*XX2WY-U C(CAL%&,C8RO MQ]Z'\E&#+6VP(]Y$X6)^G=Q'6,6$)&PVU570>(V;ZY-<_BB[NT7X;-ZM(7CB_OW"[U MK0@D.BU@FBF]),5495Y%6H%\3)CNL)\,;#:5&^,.V)!\RV43B>]8"\YO\,/? MS9N< %4_F]H'M*,*=CR!'E,W%MWM%=/D.@1!%#W?P8^+%\IY" (+J?-Y#V./" M#-[=2K%ZLWKZLC;;:N*7*R5OK46;]PSJMN)J5E+-!4X$3(CM8\&UA)QC 0DW MV,DR82G-9^8^OG2U<:ZD?=2OSX! [K*ZE:5R]RJS6=MM7-W6*KZH%V-1R_XEG M9]DSMF[6:PR\/,V5?7P-MK1OP!:Y)@5K5^ 9SQKYBAS)_#B3G=3>^(+QW,!X MW^^_\6X:\>QS3GN)J#8=0FEE/I9M[X.Z.P?B37MR3F&A1 91(@M(\J2 !942 MDQ2QC#HU"0LC/[+#U':PVG,$>BRUZ4$=4UU#"(\-5 #4EW>7XP+H9VP&L;L] M@=WEP[H8(+KO2\<%,VRGVH*ZV(,Z?_;%E%M0VT,'\<]Q]WA6 SL9_,>.MG> M-ES@_F[WBJ=)B'V-A".L":;*%Z6,V2/Q/+'I M6R!>%/QDA\/+=UU[Z'4\3^ @<=4>.\QHGO,\(01BCA5$&\-!M! MS#GU&E7N17W" ZY3DS>>IW!;ECQMA!_8ON=:D2'TLR'G$+L(TA4G5!["1C^7 M4B@U=GP6OW'QK@U[[9 ZWF^RZ*$FE>&+>"I10BG!GC MHLR64$B=*45) (1*OM-M31,:V(3N2H*$9:"9.H>-H#;Z4V?-,R%-6 M7]\B,:WZ#@AYI<5#U_HI8[U:S_[*?E0/FX=N?YL5F!4BEY!P;ES\A'#(=2F- MQT\S)DJ1$N5T'G/TY)'5KJ/EIF7'8@^KUE7"^.E31R9BYM%9YH>4Q]S44QSS MK[W2'#]O$DTY*\96/J@6]VT' MGYD6"%1X&.B1NPA:SEXZ;KI!5S,?04/MH*Z4IWXF73 M$X[CM=3W 5<."; #^A:BFE?-P>U!F_)*U3,B>)XF!$.:)\8!+H5Q@/,<0\YH M2EA>\$((OS"K(^71HZS=R=*:_?!+G/-&L&")8JF UBH;!R97D&"LH,XR+O.$ MR33#LX5:3X_>+KMS[8?UI?5]C<;.\(7R8_R_M..R76O4DP%IS/ M;*W (41_89SS4)_]W2GK8#^^;<[-W M?Y#WX&@>WF M\!1:Y7E*H-92&Q=:,TAR7D"=JI1C@9'G\.G39,8VH]M),H\MU1NP7C$9X/^=_M 2K.,R(O,@_GM*#G)N&]ZC9'[1"?_T>QU;N%?,O6 M:J9%KA&GQAO*$K.I*5@&J9W<62*D*>?$QH!<.V"=(S*RW>G(;@=!6<+@G2VV M.:3=F.=16C8^,22V_V!(GLU4/KDDO!_;3./G2RWEJ7Q.KWV:IX;>#&1+&Z M*5Z<,<$3K9B F6WYB-)$0*HI@BG**".(F0V)UYRKW9/'WH18.D 80IY[D)WD MCCN/$'D]QN6Q$U3#!QQD_&<[UA;B[USI]U0/!?G:!MQ=(%_1N=G\U94$^7* M.&$Z069WT PVQ4A!FO,,EDK:GJAEP7(G5_C@J2- KA!US5M7KRAKCOS8ERVT3 M7Y\(XB$*PQH2+)N?=@2*Y97F>23&%2F>^V=-EMYYQ'X_M?/XC]=D8GU8UG4; MN[+G99MJ<=\UM%DNZM=*+U=JEY1@@UUE.V]H5 NV>FKF#MN;3'.G$6S>-.@P M7W-E3#$VZH3R+(>L5,8!5+GY3202Y@7A.9:$EAGQ&2$\ (J]>2NP_D;C+SN$- M>Z#:Y7[Y'K6-^;;<%LX_R#OP,S8=_*\LVS]MY[)O.0=[UKIV&-R> M6[!E-W;JU*B81DVW&H? 3%TC1&A7RTVE=XV*\HLS=IBVLU%<[-^^:/VO:\O19 MB3FKZTI7[0#/VK W*R4264(E%$5>FCU&5D#*,F&\]53G/*&E+*E'V]#KN'$R M'E/KS_]6,W*&]&B-GW$:$@I@F# MJ$@HI(1A*(5,\X(6 KMM_8:(C+P3O+-^IW$>6\(VC/F-S>W4W^4",//_;>\[M:]/ &=UY>U;GH#- U2F\#@Q?;ZZC=@,LO>T0S)C^V'EQHCE2)TA,[&=%_+8 M=1FX-DQ)M^UZ=MY..\CJ-[6>45KB1"(,"UQ(B!++*(4T4@:/)D+$\02Q3VRAX_ M3VIDA=VUY K?\ W Y*:;<83W4]"=W+VBE):LV4RIN".U+P@7;WSV.4)3C\]^ M(")L=B7[O!/QSANA]'I^I'/]_MF';?[FU7%-]OICUT- 83T3)5&:FUU#F=NY M.)((R+E1<<1XHD6ARQ(3UW2$*_@8.W#8)]OTCWKL"+L'[Z]!>=@X3(B=M^4X MZIESL_O7GK,;< BP;8#X:5* W?,G)@(Z+,-B5,"]TC BP#20J"-TR=+Y8@ M03_9(\;C_->&_4*SD-OSJ6TS%:*QH&EN;'UB#'Y:.D@SG$%-=)'(!!?$;2S M,)F1+7O/I[%F_>)IL] EZUV'+L\,+ZXG<4 ZVH#H[O8T#@1AYO(,%'$L MX&7!!@S\? MRZZ.CV47:FW!0:X'3F=COA7'<^_1L?8\]W[S_F;@:/NW%D/#U@WH,P;62]"R M%O'D^RIH8IU\AS$Q[$@4FY&)YK\ M?K:E)[JE"ZL%Z"B/,)_32<98E8:#M*8M-G01^ZC>T.FF..UAG[:CXV>4Z424 MBL)$DQ2BO+2SUAB%&==*,X$P8U[U_6ZB9[?$.8 G^R;O9R8?8ZC?/|:5FO M5VI=M5FOW;E,KZ?T?I:? S'(D4LQA5B*S+:,&R@#1/,20ED0E&S"SA3N?EUS(R MLOIW:#5G*NWVY)"S[9FD9_PL&'8W0S$%F'YVY/,Q8N#W468C7BM[)$,3S,:D M=NA:L)Z;J:N?%YPMWI)@PSFQG9V[-"Y M-BRH5LTX2]LVEWUG*UDWC86; 8N^K86COATW_,A2F'N?8&^Y!"V;8#N\|=GI MR]MMH[BVLZ8]I=EQO[WGN^$?] 0 .PFBIH1'QS5>#G@\Uf9.^HX.ZHDL[_@T M AIFS,62O5FN'I=M;OG?EZM_&#-E4S'- RM'&_N:L>MC.\1/&I22$:YCE26)V MD81"6K(4:L)Q(D>]*??*N0J@/?9)D>4&]-@!'3^@SQ!H.,B,.70WHBP M>1XP^2 6TI3"$SJ/5A7C01C8P**!4O2@_-Y:*?I0BH:I2,,E T$8ZG+A^<3I M>E^$B7K0$2/P$8"'>^^7]_6=6CV\57S]H5JHJAGEI$")0PSF%!I_-\R,7O\ M,A.0*B(4XKE("Z]J_=-DQO9I+5%HJ0)+%OQN"8.&LN_QW6F4'_,NKI;=\^ N M1&S_8[M!]6*=V9TF,NV!W:"@1Z=UPU="'4[1;+1OY;]OZG6; J@*7*3&-X*% M4J1+9TK+$N8%+H5 J,*T]-R_NM =68W?&)?T7H%777';3\!L3&R.9&K'}C< MP&4ACC)UX0A1YSUG;)S\5-Y]ZD)[DMEC;K*Y"^? 0&'?NPA'5/\+E3^W-_$HU*3225&<3(#E-0>0FYQL;_M\)(5*<&XS*2/F?%E8&1[8\ VI.=/1DN6C_:4Q9Z*[3Y\7]>VPJW75? ^^D,T@,VX@X\OE9@2V=R/RA\6XHJO2F0=/UF)I6+!^ MOZ4+5P87P3ZKT##>X6I=_623(;CZHE;?*M$T07NS4K):SY<"9B(3.2RP M,'JG90J9I SJ@BDN!*8I\4KY"6-C[';'@LV#/-HF0!URT58ZXU N-U<@?%! M]#,%IRN[GJ/,< 4ZMII>A>!5R]GYV&-(F>X5T,0KX0UA8NKRWBN .E'Z>\W3 MPDS:\X%'34!5R5G*",J9R&""56E\!8YM[1>%)<9YD@E-J/0ZXCQ#9V2CU%%I M0O2;NHG>MZ%ZSTC].93<3TV3T//#J"=GYO&P6_ 1W1>%;B@E21S,_Y*I/] M^051GRORI2D-_U"""X*D)*J A&I;*) FD!'*(!5$ MRB)#)"&95SCB'*6QCS(M.;O*M>DV(3,7SX/D&(V((;J?LOI) [1^)N"11K&#$ M63K3QB,NB7L4DKAX@W\VQQ?UR-KPY.U"OJWJ7\#\<;.NUVPAC=V8E42D+%424E;D$!6R@!PS#15- 99XF69&F3H&*ZUD9.P39 MD ;EFNLU(,&*/C>R:S+V?9 M[9N,\Q?Y6X%=\L(^W&TS8 M;#-EP"M6 V9/BBR[CN=$<5[499T[.238[!L&6PS;] [@9T3&?JN;NY MG13[/,\Q3OP.N[1,!M8#*ZG;=GB$0V._F(3[Z'^LP3?+=;5 ^JGI!L4:'MZR M->N&I0(2]@E$C(1*,4^8Z3W"(T-A+2D,:]&C;V7H, M=-3=QPH.@C5L ^V-"X&G6 Z7WFC#H(EK0E,'!!T\V:=!%O/ZT0:?KPX((MC_" M1_U9F5WL1JPW*VL2VDX,&/V#*\F3QIX 2%[&GI A_*L5_L+^OEK?;:O-ZM$X:)VB M4V)!+.$\T*BF1E0"T!(*H(3$4E%:<.9$:G%^^+&3EUI9WHV>SP#1'P&N-_/ MR5TM\RI1N&S %>4)9P:=K#3ALD&'90D]3_E?#;UGU4;93,.OSY4]SVMO$ N(M2L)LBT]A6^=AH@%!4H,BAZG,N.I*.IV[718QLBOMA":M5/<+@0N0#-^L7&^H MGU.=V!AP>7S!6/N-#KNG]@\\&5@# M\/BT6#TK]579EI1&VXZ 7&4YQCP#..,FD*"L!%0+#$1&TIR;F;E,]SV/ZUN!R4[B""3C U;% MRQR_(&7:S/]^4T\R_P<>OS+S_UZ_GR_-L'.V^+RJ:O+RW=$4TE1ES"R9M2#& M62$D@-,L S]'5&.2L2)WRO+P$3KR.F"G@CW0WBF1=%H$G_@YX>GFX+%1\O/V M" '"%UQ,X6!R[M*!/Y.M4&3B_<+'@P.7=L(!Q=.U0'Q\N[$G8K;U,- '+4>>)R MF..2I AP1839?0L!6)H30%+,A?F_%*O<)X"$*#'ZM<'AI=B>NKSA4/)<&02! M[!95QH;.]R;A)6JM/LE>H62OT4CTY==@$BD.!:DP:5RZ!J27<>JJL;Z@*V>5 M>JN:_WY86F*A^0_+LEO- 1"Y++"@#&882(,U2P"CA0&"&L)1;":B[VP>W$-4K M+^"JP2\;==*3^=)FIW9RDS?_%<(C?A$VMY!S/13A3-\6@S>=X%\L' >R(W-T M#YD8DW3[HJSI6;2'S#Y+BSWXDO^1Y2Y'\,-:LH6-(NU^.LU335"N0);;9F<8 M*<_4+@$KA"P@S!0A3LW.^H2,O+HXR+G="0[HM? H2F>&SRQCV>KOMB;G7])=] M:7-_=]DK,+^ZM^SPQQW66/:"32YM95^^,GU3V0O*GVTI>^E9_P!S_Z1LL=[R MVU?UK699,RN7CBY:? 5HMVS^WW[-<9JF25%M*6+.D()(#D@D,4(9CD3!H5N+ M16_)(X>BA^_SM01/;+UY3BK6-XM>"><!P'1,[S)8F:0F8>[-&R L$W:K3!?G6V]%SQE MK*KVQ+L=_22D2!:Y !F*4 I%(#)M 2XQ2)-"M+[D5^YR=^Y#A[V 6OX=Q^M.NZ"QX.ZX'E"[+;#&P\XOTA\H$=RCO2N.N#? OM!M>XS&N4'HQ.]DZR=\VM:Z M0<"<]-H-&^7*A@#O?MHD6M6*FJ5<$LZ5"4"\S,T>$VM #_//<\!O$/CK@^-""R_YXP,WR8G?? L6Z'.S33ZH"7U*-/]CN\P\?FXX#F>5+3 M(+53(]FU."2O/&*W' 4ICV:RHR 6V$CK(>L^V'3M8[T-/.H< MZ_^V?XC=\2M=.#(HE,]3P@:^1@NN,-*

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*MLB\G)H<=>PP:&?/0X[*PZ8\|!@T_>^_Q_%9H%FM# '"W>K3#-0KF%IUHWVS9*R%W"R53 ND7;'88'DI-#G1+?C?*)7OM;HZ?;!6, MF;L;!ZIHF;Y7]C-Q7G <\$ZSB".-&ZVHZ:"@H#]N,6A/E5(D(2%8)EC$PMS MC0%'A(-"9ZG4&&6B].H(${]##R.'OO]|\Z>K2I4& /191X\$6LK)Z4:'T:U?P M914:X=3O"@3&*T@:U."U*Y%<(7(H07(>*!1]R6QNK)Q[W<,,1'(DBESDH"P* M$XY*I@ A5 $H&-$103BE? L2O+E)'/_]O=:A3F0^T^#]}HT?P2:4;IFX1*#I2 M?C$G"D@!S$P>1DJR0G^I#;ONO:! MOZU6\O?Y8C'+68HI*RC0JL0 <0(!HT@ F.%4K-3H6DTR'BD8^/R=&N.QQ$3GSOX0["Z06(MQ[MA<>& QG4WW:&";"9L3QW;@0,QC@#G)B# O&0%+K-",R]^AC,R1O;Z{X[@ MP*7!.63<7/U*>_T\V]-4;R?N,2:2SYZ3,*F+]ICXTB/['@W-(3]D8]V3M+:= M>-XJL3#_D3.(L1)J10"E#-L&.0Q0AC(@RX)E4D"'W!IS>\H=V5'W/.!OYLMD M6TG:V!CA5_4D17"%T+\;BSJE.XZN65!:K83 M,R$@%3"S68LH!\@L(@"%9G6A!2IQ"3&CJ2>)LZ/D@*0.OP#QIE/DEZ1C4+&\ M(,N='@FK%;F6.N4\KJXG O&PBDF>LDL+Z;"Z[8L? ZJO:.!9*VBR,U79SQZKOV0Q*1G*1(9 3 MBLT:PIY0E&4*&$-*9J(0@K* I%!'\0$+B=#L4-_30S?X7$\4XZ$1>,IXV&2V MU> F:76H4[>,$HG5(N;1HY25T8XCW:1.?$3!|<7IL:7?Z_Y$:[:AQ=VJ9ME0 M2_'\:6L3'NYU%Z>^&,_[^CM[>EBS9<6$S=BJ9DAS@G&I 4Z1"1VPP(R2 D M N54HE05U)5S+4#^R.N'1@5[&=^M()*UT2*IC!J6MW&GASMW6 C(_0%F NA\ M#S&J*CG0YB9I<;S7R6XQ8E5*K${)PV0XNM.QC8QG&#/;&+AZ<;1=@4H/75O(MJ),QMUUA\B&)VS7#7%/SNDM+:?DB: {H(RL@Y=Q*88M]75[UZW/7WORW\6K| M5)DAFGMJ^TRNW:E+W3?%#$;:C{N^M!DGF2HS!DB;,X D$8#EB .<;81@7D)! MG9HAOX+NHZ>NU+4X.U-N7A!WUA0E.WL.2E:KA#\GG4E)8]--LK,J.30KV=L5 MT(#X-;XPSH=K?\2O@?GH:S5^A&GO2C^1\=?>T*EQ/ M\V<[4E7W^M=M9;G)JENMYXNY,<&H;!Z39H\U_]%F:\T449!3G0*&6 $0*B2@ MBJ2 *)VA3%".D%=E2* >HZ=P'/+F;,Z;'0YK2*>;:*Y8Z2O%63Q.9WKRM__+9 M.[\C[$-POK@=&UJ_T^,;JV2A;13ZB;9J=6@N5,L^FW-E=",0&?HH\6KD1T& M0-5'A1@R7.CBOVM*VD3HPR+D&>3(\F7D@&12 @1%"1CE"C!1EC0E4$D!?6^, M+XL;_9IXM_.=U[)]%[T]0+FN4]\T/G!9V4EMZ_UOCD@ 8B[\ALV+ME+K$37Q MTFK8Z-.UD,,[@8L7]ERW4KS7]VNS5&+KYUT]VHS(,A400[/MUKE9H)09X)R4 MQKE9KD2!RC+WS/_HD3:Z,^\S))_8O.YA4>>1MM4TGJN-'M0<5Q17(A&V:FB% MV]5")W:?.1IQ33!L7*QYOT?2M'/[L,DG\[?#*W_4]J&'4KG!*4Y,M,]I:D) M$"P%/(70DD@BK2 25'KUMIM([Y%W/"$'*SXL75_ RG^4$[61&<9&^-C^@$=A M0TQG?\QCL E9U5[IHYC^^.L:1CA[[_3> [")@_K^;+S2>SY?RLC%.9'U<;5;W= MJH??5P_?5]N*+>7#[^;OSU_5#[5L"3M@*;)":PZR'"* %,> .:U@"2DF911DI M\!*YEUJH$B-/ <62* (3_FM2:W"1RJQ+C--C]!CH8V^'K_"D0\PN\5J.D5BFQ M.B6M4@UZB5$K,7HEG6))HUE2JS9,DQ(/6O<;_BD@#KOFKZ%^J]%>6JB?6JB7 M-=3V> [HQ4&\ZJ#<-U)55\4]Q[OFOQ:;GLC]XZ,EN_*\U_O#:_^JQ(N1]WJT] M.QNU&6/[.UA:2+,C8(4)Z2FRF5L:\+QDH"AXJ;%4!1=>Q:@N0D>.Z,<9CE:' M^F"JU>**NW$G0-V6X+%A\@OC,1"Z+@=TP.0Q$D OB7R|[.\!$'I3/X?>]6?3 M_F@^P<7G[ZNE:O*29I(KA#1F("/(A .52\"85@!FF2 %IR173H4@YP8?.034 MXD):7IL=Y\ZJ?8)#OT=?:YV?YWH8YL6N?%.QK>*1IV%GLI%.Q M+Q@OIV/O]_W/;3ZIC=DNS%=R+EKZ23OM? S*"S*0_%VJ6HYSG&:. (:0 PKHT MJW.28A M.<$Z?#03$RR_T&')WCK122N[7L+75_\=A:!'<#],B0E*V*)E>!X'8^X6MMS M##(XQ&3'": [&'!YK,+_C'_B^;I^>%G.U?E^O%]3G]>K;FCW>?ENKVN\?U/K1 M_(O]:GQ:,8RH1H]9*31G'&J ,\$:9BVN,@%2@10GF",.G=(TPU48.4@>2+4' M@396/M5R:](MR9XKCS 8"/)PF3M HEK48WR4ZGY!#91JN;-I*, M#JA[@!T?V+ "P.Q+ 7N'X.FQZ@G3@P).%[NL,/PSH5XX4RH6^$O_XHI[,5^L[MJY1\6Q]O-4/7]&K5S*QM,XRYMLDJ%" E"L!2H0#)4 DA@UQ*-ONAUGSE3H4^ M)-3':0Y%NR]5=D7%=6Y;54?PYD?/?'H'!- WVQ7%1\8S15G9R(#QH+|XM?\S7JV4]'RV.:V?GJMMK MSS!5 F.%02F+%"#)"T!4P8&^/-5%*E(I#(6DGZ1H6-_.E(C>5%% M/U? [X[=X,28$@$C1QDOTI'$G!)27$2AHC&@,C%T^_QU[FAO!.TYQB5#..8* MYJD *$-FB:)-8((\S]-<*EIFTC/'UE'TR"H[KMMVU592LL NT-2^HW;M M!Y362C2)ZTS\<_$RH!*@L$:%;8<{1,"\X8XHQ$X97>_MRQP]^_BA7(C/Q:S]_&*;L$D,C9^4>0*6.)Q2Y\,.C:W](`$/P:W]"D$SMS2 M9UZ-208[8R561.D4* 450"K+ !5F%9-2C1 ID13;D\;GG)B1W?\E6OR-,\Z MZH.0ZZ+A6KM]%PC'!*\C[&?Z31]5W/6/P.=Z>2KO?3K,._^]6CX_S9OEKO/]H M8[,O)'E0/S>_&L7_,4LIQ:G6%&":FAD__Q M8I^^UZW>1C0TYQ_WVQ$_+_=$VLW[Q\//+RJ\Q.I(DP.>J>1O5IFDUB;B&B , MADB1Q0%/XI!$F#)B7D2=PE,!,1/DL(89(7*'XF\&LWUR!H[G)(%3MX8Y*I?DM7R!0.29]IB#V!N4202 M#'XAHT'@8X= 4ZE8'^+49 1UL(U-3>1@;*QDQ!Y)T^8?#IM\DG+H\$]8;[]5 M?+./&+OCL31-'Y)F!9"(8./6F ,B>&86&044G)%2Y5[]ILZ+&=FCK="CF2ZP MC>0%C-P|^7K+_9PXP&AOI^VW*9*_7A RJ:OV&_K22P>>#M\,K);US6M;Y)I2 M!1D1A9EH66KVZ3 %!"(-5*%36G!"2PG]LB).9(R>!-%(3"HKTG_1? HR'^[H\ MV$;_L;/S)%\AGS3NW!C[_X!4)21^J:GNFD?.>@L")F0?EI\#T>5%!)W-DPH;R3]E M_L/2K#9L9M#M[!CRDQ+? 8]SV^E)HW89&?]QXC6NR>? MQT(A+,4\% VO"(7$WLRQ7M?GRP?W,6(PZQOI^?#EE(?YTMUK^_62LXW[2H] M3PEDLBA!(54)4%I20! J@92*Y@J;WZE3Q>)E$6,G%EANC)5.&I%^*YXS>+BM M.*ZSTB_N"!LXPL;ELC&15AAG!$RZ@KALX,L50L^381[W;KF9;Y[_9R{5%\LC MM%5_87]2K>^V9N7^J-8?=RPU@J&"9RH%2$Q%0$0@P C5_$*=%TR+3$#AXX:. M_,:-_,1N6W]>KWS7>[,V'+VE8,.6E%*" ECNX(!E@)54@HS0K M<2%IZC9G#\@9.3@TDI-.=-+(3EKA[OQ ?4CUAX&(]ONY?:#I7@Q"#H8%D0GU MC3L9KY"# <8<40RZ/A\WONQSACS9G^,O\V_?-O?YKU?0+V5'0WNNFA'/.%I_; MJ]MW/S>63(,OS,*^VLQH1HG4FH$4,@&0%!@0GD&04XTH9##CA1? M7R2]1@X! M^V3Y6LV;I%84K#0PJC9WVC?['FUV$;S3-^D43OZV5SFQ.GNN*&)}@FXKCE?X M7/Q"4_2/Y-UR^]CR)D=_C 2R3US8KYHIY6 M:ZO,+EL Z5+"%&: PY(!5)82\((20,I4I8H7I>!>&167!(T<25NQR4YN<%;% M1:0<[WHBV.]YHQ-BNO\US8!=L2YC+HF9]LIEP-B3BY6AYT/W/W=FU#5;?%A* M]?._U?-,E*A$M,@!3U-NO)6991+-"J R 25*>:H*IUJ(BQ*FV?.T0I-::F+$ M^NYV7N+BNL^YPMJ@'8Z[H0% [FPO&7+&K>3GBQ/N9"P:=[F0N/>CG9M5Z,]M- MP%^%6K+U?'7H(*/EZ\BE MSWOBX:9+5C)**9"O\;%6N*YBIUWQ>H)QL@+V? 3^8B&G[N*UIO!_VU!RW.V:. M]A*;9B*#J-2 (;.S15HQP 4V>]RT@##%&A?<*__13>S(L>1]#SF)-[62*XIN M,20^- GX1Y$!^TD%TUT&T5R.YW6S6<[[=U %ELTH^LR;"1$\G\ ,D'KV2B]"I MB94\@#A#J>3S=N#UA2U8.NEC4LT@11G*=_9LJ H129VT)0!B65. (9(YH5[, M21?DC'VJ8*5ZW@9< ,3Q=/]Z,SU/Z^OBO]/V01$K 0=LBG5R?D'*M"?A_::> MG&P//!Y8^7>VX^3M4AYW]-P=R5*<:TQ%"6B&2X!(A@ I,N.J@N9Y!GF:$]]* M7T_Y([OPI?:QMG3^1=?9\#I"3\3=8L&(./K%B,@0^EQ[3>UOLGW389U&L%,.S,J9-*.PS\R1] ML/?A.#?()Y? @HU,)>=@[TN7XJY.&>4 P=&4>GQ[(4DO:%A&6 M_]'CRBNU*&AA H N1 X0-5& (RE!2:&@#*%)N6?GAC-2?+]E02P%-6FF"1:/ MB;2L&K;W]N_SS??Y,K%M.)\56R=O/GDV;3B"%H6I)*SD@&L&S=:*FG I"PHR MG!F\%,ZXW],J2JQ"BJ-45?TY88^K(? (L3M=CY!8;K[3<+Q:67P\K+;'B]IWG;V;3@DJ8FW4.,E$/VKKKG%*@4D%$2@K? M(Y(82HWL^%^4;6J_L#< JR=[-=#T$V__V-3)WL%D]^V5K=2UIG7;/&9S>6'9'ML6Y[\KNKWEXCA# M_"L>3\D!9P*2QI.9*2@6I:E5YN 7DC.]J!R*26Z96 [XJ9V^(D(A)^[N@-_M@O=ZP=&T2-/]D+1)9VM'TU].MJZOA)M>*)%83 MWTFV'T;763<:..$'3\%6X!,S.3M9>,5WWCS_Q_.UD[.F$[O9:.%/_AZ5-_FSO M\[HNS.^94+?USC<)OO(@/@Y? DWMOY=^<]0UW2J0W/:#$T3T[VAN1-;_(8F3 MMP!PA.!FF(T7SJ)8RC?NJXQYKN?]@Q,6?^=Z2RCJ35?;KY:CLOW\Q_VI-EF$'Q8_3;_M164.BI*>1]5LY'='/T)%_!?$ZM92Y5FUH.=;HE5[J;.S,H@RMPYY.-^-OV!XU41 M]PLW5LVDUC.I%4VLIDFKZDW?AY 8A1.C8=*IG-0ZUW\;K)$=^>-Q[PGP:A]3 M8!,!^WF\^!SB%22/!DA/RX&X\K43 *3(=-#<81X,]W=+=:5JO%7-,?TYJC MN2W/07D!,TQR4*A< "2DL*41 G"6%D*G+%4Y=:4\NB1DY)GF2&Q#'NY9P=2+ M4/A\D$C)NI'"C#NF1!I_UOSNY,[Y^NU:L/MUG M"@E4T@SPS%Z2Y#H"%/(",)R2@N<:%5]J7I(<#CRVT]F)R\KRO/ XLGWX9B/4 M(D]W%C6VN[2U&(N] G_V[=ES$26W\X\X MMOLYUH', W*O$8KMAXV+UM/GHJ")>_L,&7S:XV?PC="6P$N[HFUN&;_JW_\ M^ORK6HKOCVS]CSIQA60RSX32 .<%- FM,C0"1V/@S%6E*D.0X]V+5&1(X_GIS M+SZQ\I.=^*#GT W1P\)BS>R]%@1 +Z#;N9&:W]\("XB;L1NQE_VIS8\;VP M$/";61!_7%75_;*AWJC3<>]US75?I3.9.JZ@4J=#F26;1QA@A:4X9QRJ7 MK)PMU3=+ ^N46 OH%.GW3:?--/Q3K_(7_I#:)6?PLYO_;EIAME[M? %T:MGE++ M$/S<_#\")D'>;^4F;ZSD7Q+C_@?"+;MG(SZ>^[M9&W M]NHZE&ZDF@L!$R1$$#EB@.$I5FL4X5!D3',$&&"%.ELL]PA9N/'XWN-:?O M9#A_AQ_L*RW%YB9A_=]9!RSU2JK50GJ34Y^#R'$BO=IPSQFULWDO\":Q(]/2 M2?>8% (\^^IR0]>FB>PP]0P_=]W28>WXV:"HSDE%N>HD=>1)=,>X,%\F&ROVQOPD M%EMI"7/,3ZM'U?S=-UO6!5 WAXX.DY^'[Q!ZTRGP2\LK9'5(:B625HN8>;8> M1D?+O'61.7$NK@<,I]FY/B]'CAP'MUZSM(1949C],\<(FT % M4UF43ET4?82.'# (,",XQXMR[82""1)N&,;;+?*1I1AG* 2F@--&@0(!SP0!CDI09I[R4 M3M0N%\8?V?&-M*01%\C6_A(.]>^PD@_+_:QS]M=+U@1R3-?CCZI$UXP[:6_ M77HLQA/QTUX'(S"MN2M MD]I$;B^]/O&NY3=;]8@[=&=C8^W7AP5.NWMW!N:D+^_^9@RVB*8FNE0"2ZHX MH+9&'!5. 3OU LKMC7$F,L6*#+/R!C[/NN@B^F>G/T%+T(55D!^#C$WI[\2 M:!\^,K)<0/ 1!<"45Q!C%YN=^CUW=1^&3T;?,:!,R5+HL<"&*K M%90PWEMD&"!" (,[*,B\T#6^DL!QEZX1W M/[NSUZF:*)Q:.4(?A0,AK]9*X=30OFX*9Y[V+^@_O3-\;U3\]D3]B?YOTV"'Y MYK]YNV:_+V<00R94SD#*.0& (IQH0D6)0ZC0K!1-(EL*U9-]3]O1W]4EUI,NN M:8K5QKWPVQ?B_C P,G!^L>',77]B54F.=;EIV:Z2M^,BYUX4/R*"867O<9'T MJHJ?CQF.2:PTS0 -ILW>#(?H)*GSBJ&"]5_C+ P]$79XT!A3RV6W\PO:OU#?5DM%N]7Z]_96LZ(+*7&!(-4 MIF:3RW@)B"0<8)XR\R]ECJE7{OF O)&#S9'TI!6? _,TJD+0:,6(?S <,1S,CQ8@A:9.&!4?37T8"U]<"MU1:7JE_,LV*YMT/NZPQHS1, M#!!*1%D..D8L(W.& ,LI\(7*4A,/,)7(Z61K0,]86Z.=U*06FUBY0'#NJIGW']C/,]W09WE> M(I1"!,(\36W>C "$\0)0\U>$N>9EZK5!Z!,VLMNVB]:'H#3VRPBY^6HLN_T< M=F]RLI<[4MM;%POCY9Y>%C5USNF@T6=R38?:"2WD-F,<=%:X7V/Q$24%!JC*S&F=%)B#I,N(>?,J[G54(R(|[M"%F:[U*_+%/*NE:FJWUN$N6:TK3DS7]ZWL#[P.TXI4=&+[ZW*)QV$VEZ6)> MZY$TBK3)L3=)K4O,:G%O *(5C[M+GKB6W!N2T])R_R'"(M [MEZ: 2LS8MU% M=4>'P"F#N0TR>9I3@+*@=GS%R K1$ZP1)9,PF-C(/9 M(RY"Y18J8@#@%Q?";/<. 4.&1? +WBV(F=>XA8U]Z\N#S@6[[SZTE5.V^@67. M"!(0@Y)B A DA7%6\W]Y+AF'-(4Z]|K>/!Y^;!>MA86[Y3$4CLX8;*"G"SK; MYN]V9TV(Y6S'@T_K8F<-.W&L\T_Y9WO\U^?_9I/'+)E^2U@ >0IQSCA0*#,K MI8(PLX>&##:50JR4AHPZ)9J'7UD9S+RDCHQT4ITSRHZ!:'? CZXVS<^-CJP* MZ#-R:IY[6M159H8E/KE]B%X)31>MZ$E9.GUGLJ2DB^H>IAU=?BCT8,V>T]W6 MSU_8[W\QN]? UG"VJ3VISK]L#]VJ6Y1++F198"EA?";,+3#+"B($!B+D6>IU(B M)_9]=Y$CQXO/NSWCFOV>/'8J^)ZW#0+G>NH6$P[?L[=6]DUBI"<[\3>)96]= MZ>Y2+&H9N*NYT0[B!@5.?!SG"L#IH9SSFZ'WX1LV7RK9+> /KN+]*CT7\U, M4$01--X/A8D(*+.]<$1:)[J BI!-=5>]^YAD:/?BC<*)*K5P/<*?! RMS 0 M%PB_,+##8+=[?G.87=/*OWSP&'-7[FILM.OP08$3WXB[G!Z*>[\IO^^X)1B MXJ"\]>W\QURJI=SMZ\U3"_,?V:,KFG&>IEB(HC=.TB!W1:G -]K M\Q8%L)Z-WG7C3[8IC -+#X08RSH"!77 6K*KN=2.JH=3A6J0"0P&4)LJF6&; M[''H)H 6C@I: MB\;$ZE-S*F#:SC07#3SH17/YR5CD?]UNTG+6Y1FDLM E@#2UI6+([.I*S0%& M.M-.E+HLJ1_54*^:\@*0*Z<\I J=[^5>R_W-]GKXNF-6SQ86GF,%5M[I> [%*[V]+_@9A\& MS>Z,Z[0 J$P9X!R5@$(]$2-/NWL-DDX%VUAIGTSH45WN -[P MKBHR)'[^?@Z-^T,T NZ/7&#Q*+2/"T]@=QAENH)Y=Y.. MBN0I7KNV,-Y2H=1%8?NT9Z0Q%5*D &F[K"$* TX8!,B +619"NYW<]4G;,1X M=YE#++2,_0Q>;FN:6"CXA;A# &K[M*:B,QDE3]S%Q.B%YF=$O5)%^66C+Y>. M]|P32H?8M$[8Q0M5W2XM'_J=^>-\4\U06DC&<@Q@*8Q/DTP"SLQ/LL!5JB, M2>&5K3DD<&0/[\1?T$_]K*;TT1B/WPDH7Z M9M:M3^N54$KZ7U3[X>H6*$9#RR]]f-5([GKL&+):59+-JJ6)J+6)R% 8 D(L MXD(OV=/R&8;_U^ MOF1+,6>+73?$?4=-7'*<052 ,BT*VXE4 ZZT35)7JF04*X6] E(4K48.5(=OF^TS39QG<]<"A_G8W.+=Y-_&'YQ<*K/P3M$1L4M4NB,H],D M(34JC"]#;=S! T/PDUHSROVT1Z.=VUMGDU05;@LRQ1 L\(#]% %X"A'0#-: M:,QS@2#VZ9I^08Y7F SMG[ZH[V46#AV6O"!R#&^X9DCJ!22WQ9M=:*N("_M;,"H6/'B@I1I(T"_J2<^/?!XF)=^4AO;^_GS>F631>2OSW^M[&ZP#0O+;[=B M,__1]$(K<\Q+PA'(-,X 2@D!K(3*_)]DV"R)!$J9C^.ZBQ[9E^M^Y%M;0F [MM^A.?*

*L)V"OBY\M0>F;IX^#E)^SF]K"&J@.BTL9^@;JT@R7_Z2['1);H=1\XX*_M_@!$"A0>@B>-'?Z_O_PG_2-+>]-M4,9BKC''-_ML3;!!:,;0;+-0"5(MJ&"<\SSS3%@9E#EZTHI993W.MX]5\L3FTEYF*[9>/"=K_M)=7C4[=F[SIQA#7+Z@,4YH10#!@MB8G4MN40S"E(62:*-%<$D}1GWQH'SBMJMO!KY=7B^A&-L#-TBS9>;^Z5Z^'U5_]ID^WY:;53U=FO_^O!] MM:W84C[\;O{^_-Y\P=H,$)0I7*

NP]H]KVDRS,,RGJ;_WBLW@I>/5E3UXT_M63Y5%!@.,ZWB#!A8UE%?_+YGHCY=J,EAF2*$E_0!:"N$$<&%;5D)_46::VK6_ME(AK[*.QCKQ\;@4DG,8@Y]PPN;DO$ZZSUB\Z>AOH7=5RT)591QZF_:8LZ_M+AIX4M1Q^]6J&"TT%U@40!81F^Y:7@"-1_F:"HRJ$Y*+T*J/:MC3RRF]5R$JU\S\OVEKMY5)_]?H[4F/*^SQ3_W(*7:L?*&]B-.VU.P$MS3N[[_M3QZ(U]CA5@BUL.?AME#^::W$O%G=45QR3LT$Q3&6_&DA9(3E9BA5/K>YW^*IO\7-K1_M'&='O.CZ&3>LE/C3M]6/?S?O-!YH?M@[WNE(D[C510.ZI[G\0.""=%55=ZNEM/9Y42S%7U:_/GVQ3.:'6O]W]N=D(E-WY1"@YR5):V0$N,6X_M+R"G;<>]1P@-)/O^YN_9?-WT)V_I57F&)%1F[#T.O2=%\^9R,B=VVMQ\Q3#^U[./!\EZW7S_5]VK:%5;+)>P-^-OF\1T]Z>;."9PEJ892)4V4[NP=X*P_M)$!)LTRVK+$%\^*()0_]LEPJTWRH_?;'_5)Q^/B\?#QW5,W"C2.GOQ%,2NU_M:1$=[1;I2]MCG3H[2I_V2#H,FI/SZL!A_J,ZO%1K6U>^6?V9+([*4H+P4@&_M\C2E)HH@"3B&*:.",82D@-],5U>W%^./'25VTI(G*\XS3KS_PC$.A%OH>6>T_M-^YSKW"^3GW>A%A.^V+T:9WRO&DG3G?A.?\SJG=F0;YY_J*^S6UQQG+SB3VJM&864Y2)7("*#)#E<:=F!0P@+@5DYH]*$M>CJG,"1G:K1F2REYE8H>XG5V"S%_M0^-7/<4+1\0^UUT1&@\/?M[O?!JT#39+/8Z+EGKXV$FIAR6KQT/-*_M20O_H"TR=+-_DP\3"X+>3UJ;=FND&U?8M*<-V[-W]L_7"WWY=P\+WD&M>0XD5@P@#"E@7)A=!$E+K=)"(N%T(1=7K9%#\K[6,G(5FB_Z;KN5Z3'UB^4#_MU6M[M/>*WB1[59.]KJ/4U,>%;]S:-U^E_@AU<8%.M:,A8X>2J6V3WHP/R]4_M6]=_^[A:.]]:_QDLRYQHBD%>9AH@):5=IRJ0VKPHR*ABA5<>E(O0D2/BH0IU_MB@\]D.U+K>8H5O@BPV,7U@[E&Z;-[3R:WAN7>_)8%ESMS<:TYJ#R(G9UMQ!_M.&5<\W@W@#Q:"'NN6WU10LU_6_K']T;]KTILU_-N^/=.J.,X=X9T*@J*!2"8M<1,G;+XDRC"@!!+-:"E1ZD2JZB]Z[&RH5IEDO=,FJ8Y4\2!/]L-T>'L['E)^_MX6,'TEZ1AI[N6!5[X2M42\$V&FP>]-.CP1?(1!T31C]RZBD^GBJ_0:RS[CNP$V5X.XD6R8$.49K4W#B*_M_XN!MP1F9QFK8YB7Z2+.9X6^:LI2=>F_7._M//C#S\.NOPN2*9D@7,"4"_%)FG*SC/.<2LZEEJ*D6#"ON4IG"$VLY7NRH*4;_MW(3\+%)N^AU#?C_%#A+=?XS2!;EBC5_Z1V;>\4D7A#T9G73I^M"S/K[99V;O_M9WNA5-("E1AJ56:04()AJ8P**\29+A')$Y+X'>_UTIG\1,^W9NH<'JYG=:.E_M]#V>XQNPIPA^GV2^V06QHIW"]5.9^>:!M4-33L[;ARP-74CO'^7[U8.ZHK5^^M>3:{]H]>-@QZKL]O\7=\P"7JQ/(ZX5,WKITP'[(EW.PT5/_-;KS>+[^K.!D'^HE9W:_9X7PGV\'[U_M@U7+!18%PF;#K4FI0U!.E@R):'&24ISEB=)ZA2""*0RL3$\) A^;TDZ[EV&_MP1DV<=%$]K-4?M(ZFQPG:88LAWG@=4P/^TMQO"S9U%\)_&V^NMV"ZYQ$JH4GB=1!\C-'4"T=W=NFG_M#Q[7U5)4C^93RCPR8"[BY+YG&2M]P*9E3S)RUHJK7!%W+;UD9M^V#G;MV\9_MO#Y0:N:=9_JRL[^^J9^JN63>C$W/$=(ECE-88IU;O8C$B,N2J/.A52BQ!H7_MTBOLT1UZN#@X;SQ(W[L;SJ.;$G_7]G?5VOP82G-=^M_J_WX;EO.24^5=\+9_M4?]CH^=I#,Z"->7$=B^A8UD*)YKSF@T?&$YLB-?-H07[UU*:3T_]=55OV,/_MK1[?K;1:2*V*I,P8+#@U'@#!);1UZG:TNRH9S42AB5]9>A^9J2,3;=UV1]GF_M"UG:P!_'EKIOE7HO4,,F()XGB&$0,D#2M>'!!M1P-[[V)G+V(=$,RUF'[PZ_M;+6_-;?=Z.OUVKS;=M:R[2PH!<:%8,P,,D,&,R]LZC\E,!5"YI1KG7R4$O_ME:D/]%VV[N7@YS;9<'//EN#XII#^C?VNBWCHV'R4^'I_M$?)>TP<1B+2&]].8=%//E&CU\<>#I1.?]VA7_H'GR]5)V+;&;$5.-&[_@_M#!<93A$4-#?&P)8_E9P(]+_D"&FN$^G5E!$>_\,_?T%C1?HJ*,\;QO>'Y"1&'_"(,_MS8*]J_@OJR';_M_^8@5[GNTN+2G#*%DP06VG;IRF0)&3$>B)!4X[+,\"=.7:H"Z?]_X(QXA?!#M7X.;%9H0W/E=F&B'"B/1B62^?*G;:L("H7EIQD(?XQ_Z$K_GG'':ZN-6:;%_M+CA*%()<\]2&+1)8ZK2_I7&.$,J(9YE=`T/G](@(-32LKX.3-_RW;=VI8UY%_M+QB70Q-C1/0S!;[2>04BSHD1%'XX>=AL08=S8AR&&LY>$]!F0*U7]2,3ZKW2_M:EEO6QPG"F/&.(5YD3)(!":0(Z4A%5)BC+F2>G<3]"'7Q-2G?ENB_(*.KD?!_M>S\HPZH41U0_A>J1,F_JZQEQ/>KX1XL=6*_O\9+]RO$'!1HJN^^_<;|R^D'&_MC\KHAZ\,[1;]HN+A[;,-C33Q-:00MVF04&!EB]N+%#+%;*)D7MH3RB(C7NF1_M_[0FWRF?JB<-&Z4)^G-'-'ZHLBGW:G_MOGQ+>/OWU;))&VS'FE"1ED+E&-*29!D&8<,"0DSA34J2"I3OWYD+PE,KKJ6_M'*@M/?_F[T=(N&IGN'R^*MF(UI"Z:F<]7(%/=?TTD/40U_F^3YR(K>"/'C][_M+_@^X?J;P?=>Y^]^]P:$?ZF6ZL)X\/MJO7G^;D__MP3:;3:YF5!0RL1VC<<9_M9*1@D#*F>$D+]HE3P=]81B;66?]GD])_!@TG5T_^*9"@-'=W;T=A?-GGGPLYM/VM@&0$-6\#R!=J?6\Y:*('A#1CFP)8[T+('&OX"MA'C/LO.FXVY_[;DC0X_M/S:X+RWNNOFYPWW9X&X_P1N#^V:+^Z;%O;9_BG.!B8&2;G%&/GVTS%_.$_MPRU3E.>%^6%M.YE;]NOZR7QL;.S'SDKHJ@($8KS(,@*YLJ>_1&G([#$-HX70_M."=(*R^?;(C8Q+:_^:Q!E:(,=\:MFT$;@X(,D9G7W7(1^Z?HYW1.:U&U[42]E;3M3[XH:5<$)EB6'JB@P--_]J6,BLA"+7_M62Y%*GGFU=2AE\K4FR[;KUUN"0.IQ_-;*_EGWV3L/GS<5'BTU'ZZNR-WU?:J_MGZ(2$/,T57KHXL_(B'W44MK_;,7D3_;0G&ANMF/XVF"_M+@A*,Y;"@G$)BKU=/=_?FVZ3;W.8RH20K"XB1<4G57$$@=&,Z1M_MJ[!64OUX;#3ES1=/X^$_'Z5E+C&':",:.$IGED$F90::Q^21S8>PN\<)WZVY_MI\#PUM_^S@ADR90"4N@UB4Q0(K$MD#(F@4-,2IS++U6L#@(AB]=9Z"+#9O;_MJA45#+_ERI+NIDA8.%Z,J%VU(VKC+5+.DD9:G2[3FW59"+<5+F&>T*OFVIX(O#%3,/3.\)4^:M!_M5ADO51YDV)54E+K0W"BM,EXDY\8-H@F"19IF)2IH3K!757,/C8F5=TO'1WJ&;-_$:.\:/M3$9_*1^6QHJU3F[$_45L(&,-AXS%UKQS'R.#>3+2,?;S0[LS[Z?,OQ@NORBU_M9H(J_7.$$V."&88\3QC,BK3,$EX*@3P;-)^E-?D^:?6SJIMSI]4:R,^FG0;_M=L");]/F_"9E8IKC3',A2H,?$)_SA,*<2)S5B0B3S.Q^*G6?#4S@($6,9026+!,VO3J!G-_4_MFFVN\6USG11)IF-"78A.;$LM"VT,!OS5+%V&@W;X:U#YA!.(;E8@-C1^YB_4_M%6^U]Q$SDOX[D9S5$/B_\-(B>-T;9AH^L/72>';U5[7^?L_6ZBVK*[%06LF"_MR-(H?V)L_=$%Y"E'4)AO!2]UB@OM8PMZJ4RL_T-\!*9:@J=:VKI#4%O2G@?K_M_?BXJ?EHJ?WT>DO.9B>!AN5:$C&T^A:B2*I<#^-675V4,R72C[\\=B&M]_O_MC1=PJ]8_[!EQVWH5$Y;E:696YL(66*1%"J0?M>;'/-YT=_MN"=PL=5:"=O&6L]_;T-L<]L?-B&7M8$4H>K:W/"VS=;M_MYBUEB_E,!84Z+9#QV3&%#"4,(J52K'5.52H#LN-B\^FD-J.3Z5K:8'.0TVSW_M_\UQ,Q_'3'IZ_+%?FJ/S\!KO(,SOV'(*#@JU+;/@F-LF71I\.+/,P9N.N]^N_M6E\%-G*_K^RYV8T<|$R]BCZH:RIL8WE_L=F;UWF:"_P3OVLJ_J"%L8_5ACTT_M'V]9;L0(RQ%J5IY#P5,/2.(*0"([*E"0I3YTFE072_MG]C,&&ZL53'L7_IN1_%3)@:QI"Q@GB(&29&FL*1,P#S15"&D!%,&S)7Y&+P^_MF#LN_L_$;,N+':/^;ZL_?I@_[5.N1-RZ!;1S_M@KN2C.M#7_[4G8,10_1!6(1R=+[4I_5X_=")\]+NASXFS/QOTRTJ57<)%PLA_ML)_4I5!+RB'1J80O)\QZ8'&MS5Z,$]C/)!S0VF5@Q=/V\Y)$4N@>_K/J']'D!7ZKEP)6!,Z'[6FWJ1:D4YEF1_M05FR!!K_24%,)89,Y2@O,.=9[J5M]6-GT3#6D/(ZMO5_MM?COIVJMOJY71G$WSU_-F]U<+Z7M%_AH+UFD3"<)OO9M-ZCC#?O/#/'/-!T;#2KXP)LV;@"_M#2-735[YCI>(5<_>\L^[\H27!19"Y7G.20%3P@4D(LLA-PX49#0O"L8I1Z57_Z/Q+$U]_MHMKC3"G+7VUS+Y,/M(F6/(DDQ!DE_!.4HY+%A:Y@F2,BV0[TBZ,[0F-WX'M-K6ZWM>_MP)O_\+9VYT%S-6-1H/"U3WN9FV;KAV3CCK*[(%O$J7;G*,T^X,Z"R'VS[B[=_MXA\B^O)D6UF8K=R#8LNGQ\^KME]IO1!(8%T(#@E-F&W8J&"A;?_&,J4%DS3-_ML%,]WA"1J9,U&K+-_K\E#!ZVE-UC(6%O<9>.>10CZ79!N(]YR]=;9@SR7F#R,]%Z_ULS9258L/QFAMGJ^E-&^P_M:F>^O5G?KOY8+A!/&5$HAPI)#(FQ+9_+5D_L&$$,*:Z(4X_(_1H3YJ6*NC(_M7@%+V._"+&DWU1O"9]C61)+:SJ0$">RL:_XB];@$M1)_NEO]_!=S=^L-F&_V_M3L#0,V=10_>AMOKG@N.=X3V7N*;3\MZLV[>M_?6OJE[@0N(<*0$SEM@L1)E"IJ6&&>>H8_7*M%MCS/,D)C9239WMGB+XW=+T_MK#?NP<4MG#!.6C^+Y"EH0'N?<[)$Z^IS0F#F9C[G!#SMX7/VRAC-H'=3':.^7_M\F9SK],7\N]/=1N36*_DX8E."L@I38U"FN]*G0K(F$Z+_AFE%-*OB9<[<9\/_M;U!/K_&!?LS>#QN(MTS275,7^E!=-W4>AK$_-3]11=JL_B"2$V?(_#1J9J_M2^TB_"3=J@<>)OV(3:Q=_AGM,.STA0I79_NM.943D,$\QAD2@'+(4*8AUDE*<M%UA)'5SVY+6LCREJ&E&:M&_R1127"DK!S5:,F5U804H$TT12P9G"O/#JAA:._MP)@:N3$(R*),C,@8E@6FD)2%A5#&30;TB++>)KS@BZ6:C.5_+L,GLUK2$\R_MS'218FAC[>;]2P4+C#_4]?DY+7/-2.*WF_9_H+6RS@HN"UZP9)YQM9/B^LVMFW7%GS;;^KJO+&YU3;]@4U3*O6(=W+F5]_^BD?TGWSZ_9>;=*O7]7G-7];K_M\=]>7>K?FW>&@;_L4A+EJ,*&)DRH38,7>2PX*PPBP]-!39N+"N]SJ]="4]L_MD_;7!V/QFY]LGU'QOJX(_=^*^%9Q>.,N)N&3X&CG_+O(;H"_!ET7("&#;#EMH^N:!2P_H&%HBFZ6CAC$[FAYB>SK=+5T!.L9TO7^X-S9*6B\6NODX!QR0DI(TX)JG.4TYUYU39<(3FQHKH5X^O'T8%.>_MNXW>$4/VG+OQ)EA!-T,2$Q%BC-R]+/Z>@G_M,['F-^-0CY/F@AIHGL'(34()13ECF_MM$I?H#-YAHJE#+:DW4^!AZ_95LR(OMIY@M904^CNV=40%5*HK7F)>9^,8D>(A-;GHYDTW_U^FESOUI7FV?/@$(?-([!_M@Y$">P8*#F3]]Z=U55)L)_MNRB5)]E0_E*>(..ITP*6>-G.ZZ:D8IWFF/=?X]\S[SD'Y6-6"/?O-_ML?5'\YMZD4C)=)D(6!9E"8E$_C(]%<8'.Q"K8!4_WTV-_MWQ+V##*=@\G-GXP@O)\NALCM[4Q>D"J2/WF.RJPNY0517WJ5ERX?6075_??9_M["GQ_K,B-_LY_;4F!20YI9_590839EQ.P;3,L--F;Y\#*/*[FKC"H^Z9M$G>SM=$P(&<;)U0,=*7V0*^HO>'A55)]@X^NBC][Z.I51?8*=K8WJO3AL:;T1U5NE_MS3[RFTWHK>M*5UW58_MKLZT_S/JY7;4Y/XL\H9F66$/)3-0W.D><>J=K#O_MX[JRPX_;_A1-_[5_V4Y%LG^V-XM[.V('V$^\;=!7K60EP%K]9_]//B7+8U^=_MVZH_PPOQLS8WISY=_=[0!B<\[?YBV+J:/$]M)#:1?(M0+F;U/49"]=(W&?NX_MP#ERO^RYVU-5WUN'Z$;,JI-NN!@K$,$:(5B0!$."S)>2E_(2EDK")).2>"6T_MG".QB=_^N-)"&N.?PMO-(N9F=,/)[^C%'-*W@ENH$8]_N_MRA9KH-EY0O..)KLH\,F0LS&7'_Z#KW8ZYP_G!-K!08(D@*>PLV((I6*89TYH6*>5>90IQV)K8-'3,MM7,#:W#_%GCS;[_]V<]'1'H1;M9D?GC]+,_*6/["%>-_-I0?LXUE[DT1%X@(6_MR9Q%8FI6TQ<7R)=E.O+38I2H?V$_U/O5#[,=6E"%.98E@6F&C2>$4@:Y2#7$_MA2ASD>>"_U8\9BW^@/OJ[(A)WC>K-\Q^I[^\^V(/]'FP-_MS#=E.%?"6!#[A^NE//[%P94+R9!&6I504ZP@R71I=%Z6,)6:9"F2A&B_?5!_M'J?>0#4-6_&?@4'K%R!/9?=)?9=O?CE\1UMDNZ3]==NM'LWJ/!S8"QRE/0G@4:=IQ^?P%09J3P)Q_TSM:4B%K0W?E74I#4ZV[W*-%YIC_M5:2I[6O,-22Y2"$KF(8LQOD1)=58*A^[_N+Y$]ODS^QYI=MI*)[:]9LSHKW4R7.7!6Z2MBU$#J:5+HJ$4YTD_M'*(R*2"A"L$RXP2B/+8HM46"H_DO6/RGS&)=A_M%8PBK:?^^0H:E([9*\RH9,SC)\Z>BMDK4%\B9O^%,0!]G[\P.]*K"W!AFE.2_M(VG02HEQ(#F"G%$%B=*<*8EHBKU2,0=H3>U,'E>_/MN8F"4>&!(<LUM08P$_MA9]>AJ,PLA2X5[Y)ZH&/*;UB47"OR,.5P?VW1%'K:R'63^SAZWKULZJ;_E!$_MDA09799YRB$I:_%Y21#,,2MS@H1$R8A"_A-Z^J,V-_J9L1977*0Y_ML>IO";>C_WQK*RXCYJ;QD7'PT_H=\2NP0Z.A;]9WU<3,MSS$+,%P%CA:.<9E_MBC.79CA#<%JFX7YK8&ZX[6CUQ0C"ZONV*.1#.P%SD20L0R4MH7'?"TA8DL&"_M9@5DS-@$BAE-A/_+8)VE-7D4JZ'LF7E]%A@W31\G;%CV=-.=K*.Y:\O5D3T_MW,_-?J2:+&2G_2F3>]^9*X)PG,%V_P;^5SG";P;9?"^W5="=5EWZ9(B)Q9M92ULO08N&62<(EA2QAC"+!5%X=K2QX'>Q_OVGJ:MN[#C8]EPKFX09L/*/_$2_MGA&RERDZ!ZA\;5&YD,$N2LD)LJWD%529,ON6%'-8%"*%FUOP1_WE;@'8O%78L%]@6\16U6!?"Q=2?N[\GEQW2U.A[V>%VQ2.@UZGMA%2_MD0U9TS-A5\X>CP&G'6_Q"DS!LHI:\.Q-_A4IX7V#Z"^2]G^+OV#7.XN>5[<^_M_M':TV[N^7\N63OA7$G[>YO@;3]"=E#)I[I^VJ4O+$2I\KQ_"=0J*2%1!8(\M:?(R2Z83))$NGO)S9>+_-^+H1B,SF"L<#_MY-!3COC4@!&Y:KUAU?+=4[TQB]JZ[EI-$I.10B82ICA)()&EA&6>$9BG0B>)_MRC!!3F=[YTE,O!9T1,&,JL<4V'Y(+IOY\8+ZF>X3&4-&WO8+ZS']=K30@2-N_MG5^PWT3;07&&)MGVWSC?!-M!QH\FUPY?.7)PYCO;E^&Z^Q@AH0M=$@P19P22_MQ.R^.4TIE#*C.2WRHLB]ZJ5[J4QL22;S'1NBX#IPYN41,&Z;W-'B^MF3$TDG_M:.([*%+L^91'-%YG%&6?F&>G3O9>'*:/?V4V(,0>=GO4Y5U3_-M]_JB2C*14_MP)(Q!(D0_A99JJ$1598"IS9[QT"X.O.W[_TW9>>2&ZA4X8%8'JYL]5NWIWBW6IOK;+#JRV19_MN\X,\-9Y-S0B*?\%8K-_3?!7YH#Q[MG&9OCLFP+LFFHHKA*>$P&SI"_VLR>!_M)4H1I%@SE.4)HLIH6.1:_)P>$<9[$F/:)]Z'C+78'44(/QL02@&X7D\YZ6+_MG;_30^EU\G;.BWPV7V?@EM_:LXP+Q70FS_FX]M6^3PU-J.QX36$A<&HW.*

M;'NRM(1:$&Q^+XCTR]4[3VIBA=[7;LN.!5#O>/!L032 EYLZQT'!3YNW-,&> MJ%G).U26X"VK*P$^L/72K!:U+9II.PA-HO"7Y8]6P';6T,QE;)

<$/BUFNWA' M\#[{D56RRQK:#;:O:{6IWSVMFPZ?2[&"H))!A06&A,@$%GF&(,H26A)&95)X M->-PH#G]'MQR %3+0GWHY+<,--

:PX{TWOPBF\TX{})D3>^_8&G8YZ TY{G- R M< 4Z%{)NXUWEC;>IOTAQ[BV^*P0]&W[G6\,K7V_7;%E7-JC:;@<73$A::%38 MY!?

C#;""0Y:7':2B9(JIC,W_WZ(R,2&8%<6NJ?;;7;]*V:/\!E6]5A2>Z{[M_@('5<*>DVA4,>S)0V>OASTG5E)[-EK UNI=%/H;W3;O/V_*JF^*;,)L%.X*

*M_\K^OEKO(O!OGWPLSP>\8.)T7> MOQ--/*QB=:.^)P-&\'6_B07C2)2?BH\,]G/]X8FMC8QXZ"HNRI)0BK"#3MO-H*

MR24L2Y+!S)C0,E=2))GWV+47-.;R;W9D@]V;E^"X>SO?[-)2\]7;/F1V:.)S?/[)V4 RG;GBHK

*M!.6PU)#0C6%+,TUQ*E{4H3GJ7.=4:7B$VLBH9\FXEG&0\;#JZ -.NB9<(] MQ^8B:L.J&1L+/QT!\/{#H:*

G.+>+AG\'7$)2P/Z1(^<=*27.4<2%"Z^(C9 M4I5PT+FTHVMR2&G M2$&"L&W\QQ#EZ;9?P:W'T+J)^'72C^.>:[?^IN%=VP*[6H*G\V/N;+W@F?*

*EV M8*T>+&D[8[M?S$E/7_WS\[5N-%';.O.P\E*LVK0-(-$9@P2SB7DB I(%4U9 MD7!>8N;J_YVE,K$#N"46X/F=!^:RZQ=%7#_;YRZIE]-*

W49(17M_Y9_F]ET4 M[]#ONWQOF.-W+W @E'CQZF<0T(P-5]8,VV&P)))G3&I M9(]V[@]

[TI]890^XV>,X'"WHC4_VYM/YKDU1,'9SD29$SD_[#T'K\X*V+.\L M-[_MFMH9EN(Y+H%81/)'?*G/ZF8$0O/2>PA]C/\)4WNJU>7B[,^O-FSS5"]$

M42JO1QN6=)Z?(;(K,ONL* O5]<+5X]LTG;]M+E?K8WZVTW$ M];_*+*.)3AAE!<2*F>TU)1EDG"-(DZQ(<)*

(KR9R6TIV5G(W'0V#A!^>AN.07AIL[/BQ6YE=DKH==]6G17X;(NR\W>$J;/KY.FF

M'FF!54FI;2"#\K$),TT9(SGD)I5URZ^YH]>!.5>U"=6^K;BZDVU!'5#WG,[M[@>D0:Y0.=/06$4*"==V B.EQI=)L>0ZS62*%^9)?/7J4!YRX;Yl;*

]GHH 2K M@ZGW$/ YD7:SL).AYV=TMVR +7XM(S:RT;("#GBY:HL$X]GA(! BF68_VK-; MZR!87AKPL(<$NVAKQ6KU7K7_?

VIG[]VO'LPS:CM;=O/\;??P\'&U_H.MY2+% M"248$R@Q32!)6&Z,48$@2U0JL,1)FGF5%WK2G]Z9:[@ ;[:_&;/R]9^C^@

M90K\;MD"'5_^7IX7ZLZNWU18>ON#L6$,<11#P(CG/7I1G]NE#(&FQ\\,>DQ@

M115[4'579?!%;;HX!M>TI(@K)$2=D0U@PSGMJ\W$Q1G2A#NE*4W2&7R"$]; M;_-6+<7]#[8^/V?6 Q@WBS%:7-_XS@M))XCO#*

(H4JQBHE\:\Y3U+8IX4[Q> M/+;"T1[$K):VM.=&[_:>77ESE]/1U/S MU/H=VZB[U?IYD6M!DD0AB),0%([*5G!&,R8I*52,DUEXG4Z#&Y)@*

M2]/W#/@8D&%S$T%,/Q/B)V' .6^O'"..=X^?-_.I;]\PIX>Y_9>%GN$>IQU_ M-&Q=KT35'1BW(\NWR1V]>=T:E22CA4T,

(YGM8$@A3S&#I68HHIYCSDM)=HO]J MPQ[O(>Z\&AAO>@@7(W/79!$B(S3>R176[NIO24E(\BOB3HH9.'3.+7+>4KP-5=M;3I#H"S!SM0P]?8

M]2"G1"8ITCF4.4TAP2B%O$0$4IH629+KHL"X0^[#TG% ;ASY*54J8XEHETZE$Q1&3BS5I+LHF%-$3]-+ 7 M%3<-'"NKGP:^%',"6/&00)&TL)?

*$K%HX).1+++1R\UK]CS/?JU]=5M=Q\L.?9 MWVW\^:/9:QB/1MC"OM5&U>^?U.T?]JO[U5/-EO+V#_/[9WM-]{ED):<\+97! M59O%-!,99*A*

,,ESRA.MJ+G +?4E!CN39\)D?RIR^L^@8677:X:Z]U89C?>P M'9@;0\\@[=]JZ/9NY^KI:9F96R M!BAA6 89D5>0,)TU1GP9QD3&*

(DLEQZ33XX3VIJ5\]6>QY1!K];VLTP']_4 M\@' '/V_*#!X>H&!"/C[@A>%B^41GB 3[_#R'7%[_S0$67W_\6'U MQ[\l>:.?

^PJJE_>6U[5CR,G:!V;4P,^]6%D7E14ISD%&JF-21$8]N^@1L?DI=:. M4$U3[%7[%9_%B4V'#2V+_BX_=X;%NHWXJ_HW.T%$& F -B >RM#I$X]*

(UZ? MFT%ZW9?B9\@_?7MDO/R>E"XSO9\X.Y6O&,\W?B)CPC M&/Q?T7YG/,"NC7__MAV-^8+9[7ZUW_Z?U!+ P04 M" ! BOY8B2HV8V'"7 "C@@8

% &AW;2TR,#(T,#8S,%]P&UL[+U9 MDUM)8'%XD'B@E0))%ZM>/ M!X#_CR3__C^Y>SG[[A8CF=S_[Y3_S/[$_ MX2S-\W3VZ9__]*\??*

P7WI__Q+__P#__T?P#\VR_O?_OIU3R=?\'9ZJ>7"PPK MS#_],5U]_FGU&7_ZVWSQ[]-OX:=W9V%5YHLO /^R_K.7\Z_%M-/GU<_"2;4

*MQ:]=_'3QCTD4@9DAR% XJ! *!,,26,-=\+D$?X;Z]U89C?>P M'9@;0\\@[=]JZ/9NY^KI:9F96R M*!BAA6 89D5>0,)TU1GP9QD3&*

(DLEQZ33XX3VIJ5\]6>QY1!K];VLTP']_4 M\@' '/V_*#!X>H&!"/C[@A>%B^41GB 3[_#R'7%[_S0$67W_\6'U MQ[\l>:.?

^PJJE_>6U[5CR,G:!V;4P,^]6%D7E14ISD%&JF-21$8]N^@1L?DI=:. M4$U3[%7[%9_%B4V'#2V+_BX_=X;%NHWXJ_HW.T%$& F -B >RM#I$X]*

(UZ? MFT%ZW9?B9\@_?7MDO/R>E"XSO9\X.Y6O&,\W?B)CPC M&/Q?T7YG/,"NC7__MAV-^8+9[7ZUW_Z?U!+ P04 M" ! BOY8B2HV8V'"7 "C@@8

% &AW;2TR,#(T,#8S,%]P&UL[+U9 MDUM)8'%XD'B@E0))%ZM>/ M!X#_CR3__C^Y>SG[[A8CF=S_[Y3_S/[$_ MX2S-\W3VZ9__]*\??*

P7WI__Q+__P#__T?P#\VR_O?_OIU3R=?\'9ZJ>7"PPK MS#_],5U]_FGU&7_ZVWSQ[]-OX:=W9V%5YHLO /^R_K.7\Z_%M-/GU<_"2;4

*MQ:]=_'3QCTD4@9DAR% XJ! *!,,26,-=\+D$?X;Z]U89C?>P M'9@;0\\@[=]JZ/9NY^KI:9F96R M*!HK>A-5ANSN5DZ5*

MZFV0G,3BHS%"9V><-T+)NXN5K^_"Z:20%0\Q,48V>RG@N1"@HM%8=+9&I<9 MV47'7E@1SP0K)S-Z5+A,;TKW+"2_.N1A#"'!CF?KB3'D

*ML'G!"?=,)+3Q=+MUY]KC@*2-A=*0JR,>.'47%W&#C_2[$RZ=-H:3HZ\]V?-*>*

M6G"'%2@FL1*5EIF;D]!P?;61+=0&DILW8&,GXO]_SL."GGCVXSU^G2]6$T07 MO2+J]6>9%*8F%MBJ.I7.0F7+K'9-D"IKX9&5PC"@.*

(6YG>#C'2ZF_QZEE^1 MS3[!+,A$3QEXXI88HA1$5!*B],7(4)3CMZ-2QZ'CQK)[84, ^,VP)>Q C91C1!"ZY1M#E$;]V\%S[4,\/'2>P=

M&2(;MOPZ//LE%1QL0(2I?0/$4P3%/9RLWOL@4(F+^;?I+)$G;P1BC>Q$KV@?D17ZC&D@<]U+R:7WL;1#R:W5

*M]X/*6YA%P:\7ADI%1]^&*!84UW$<9R%P)X)WC5B!I<(%,\B1Q"PH0Z M/9155M$=*W+75]D/#5?4U#/WGV>SRXB/2Q) M/H?9)UQ'?(,B8S?*

6+,F2/:@D9WLSH:2&MIM_P55B%[;8F43.CUZ=AI,V0)G3@&$HPT>E8%'(, M6H2X=J^^'UZ>5RBT 9^[P$N]?%Z\#"Q\-

*%_\F/#@,13%@5GF0!5/ZI$%LJ+1 M&2,#4UJU2!Z]L>A^"6+/*PIZ/%>[,6'+^'L()?S)7%CN9P$TG,L:**7\ MR]!5L8(CL7WP\DSRO0>3J7NP#+*

*MA\]X=G9!O38J.9\,2$NFMI(Z@[/DCZ>D+#>\(*86-_;7U]P/&L\EZGDB3[M MQ+4"K0^?B8G+M^>K6JI?G?;)"B':(A)P+QGAFU@4N7?*

DI6%V7,NDV6E%XH_3 ML!]BGDM\M#'/1T;0BR\XRS5W]M>S\&F2>.(E$. E%O+A,R(X(3Q$%T6((1K& M3C-

*2;RRW'RZ>2ZST>$YVDIS^ZW29PMG_BV'Q*WUG.6&%$6"+ "L2G8>9-N.5 MS(!&FI283=[;D\!PS\+[P>*Y!$];*

<+_2^X'DN014VW"X#V.MK(9V!F&;__W_AC$I+1+F44-VM,) MJ+SCX(,,P+1@21D463>Q/VXNNQ\\GED<]03.CIVCL8GA7>G BQJND&-@@@Y'

M KFLI>$,@O,!F!/HA)$N^=,"(/>MO!] GDO@M E_FV'DGWZ^PU3:XK\?U\GK MLO')O+R?L5--O{R?!;.\Y2^=7,?>[7[.N#A#7J"';N5$QN' M7?

1FJ$4,7_"2B,O&5*QH]D,L$$-KLM(_FYQ58^@3{GHI.1#<:9C^F#<0\JI M;3[>XS>.O]+H1@]>/_-MT]?GE^7)%RRU>?T]GY\5!>[%*

<(OV7/X;O$TDZ MD\E-+Q-ZY;QP$&,BIE_KK_B2$' MJYP$43)I<,G(ARP^@; ,!W7SNA4JL?M:3,$7)}8DAUTUOJ 9V>RUS)B0'Q6IZ, ^DCR"

(<2O)C MN7BH^<51??SVHFR<#@A#8G B72 L_7G&!EBH10:DIZ< H#4TK:UFTB'R1HG+X)PQ[$K?C? 9BN^+;^C<5EGGM*

M)..P=I+Q]%D@QI Z9B(4(912K:'T #GC=%L8$DBM>-\[C.B=6"W.T^I\0?KV MY>>P^(3+B<(DA<<"W(B:5N

*T1*43>>C6%GGS;L^6V^7$[H#$Y!:0F8D)P5K6OU+J-CV 1C2Y(VV8=" M6\? 90<9XS1C&!(MI_+Z>/4R7X6S)G#Y2YC.EI5P7+Z=O?Y>-*

*W,^77ZN+'I; M7F%<33@YMZ+6660?$93S'CQQ!A!+RJHI)GSK)K:/$C5.?X8AH=16#B=HH4\U M#M@$6NOD6=*G6_OM]_EL?*

*O&^3*RQ5CHNR"?(#E2.!EP*Q"K,4G-KPQ"!OGO) M&:>)PY!P:L7[#@R@Z[1O6'7A$)!N+;*^$77>"6TDDZHUR"!BCAD]G_]S%\QR7IX$4@N4UG*

*M8?%C?25&_$@U/#Q?ASXNWK!)O>(TFDLH(K!:$>"(&(*3*P7*D@HXC% M#8/A.Z2,U-9B>/R=QO0>SF%<77-ST* SR2BP6",[6B $C1:D%9&*

<"3IP9:@ M1YV|UPD8J>'%H.?MT0SN1K.\^%)[$2Y?K%:+.3Q?U3[|'^>7U9;;;)-7TV4Z MFR_/2627;'-&,"=U(%>Y!G2%%. -]V228G&Y%&V:Q[-.

(GBD-AO#:ZFG$&\O MNNS%MS]V^ST6BK)(_D927'Y2UA.TR2R@,.K'(5IVIZLDR&82\"%9,)9G95L M)FD<1F(/61E/

*IZ'E&9C23XKH+Z:GIV3NS01V>9L& >C"X{J2D$04=+A8:-5 MSA)C6ZO2@XGL(2>C,[>(\T.X/HZ+&;$O>4[7*Q+D=;OW"'7KN,LJ!Q\@Z5HA*

M[9!8)[F"8C5FS(JQ!ZM(CX'F@P3UD)8Q!@S;2:E7R$U(>],A5@K%&HQ/JNC M6I!#,C9;;DS4_DF@-*

*NZQW%#0^T#H(*YW")T+I1N+4$DZ#B609:"\0GJW8@!C M&1-!^.0?,.O4 CQ='}1/Y]C.-\[@/Z&=0X[YA??&M#>0\9:&,.>S&,@Z$@0'RI.?K&Z*

M9>?=-@DA!^2F). NT?:.2(E'6_+UJ"8[2+B"L&P+-NQ%-4 M!"6#)E@% Q:5":;$S&3K<^U $MM>](4DI;#2@PY9@Z)3 %SP"C@C!P#I(CZ*

*MH;X*3W31-Y3>&Q(=#]__'<+W#@[1=R%9&S3-D)6K#/.0045K@.JO$(P:3'NI>>E26\LE4CWLL/R4\GUC"*

*M'6/Z%9;1#/,VC^/=69@M7^3_?:Y<54EZS M36>0!&,]&KDV55[79JV_.ML@YB >Y2)0U#*1.0:?]0.?H9DDG1&C+]M7IH M4E?*

+EVB0#8Y[LG3Z9HT/I8[/I2J;EV'Y^=>S^1__$_,GK$4EZZOF0HN_QW06 MELO+ ^9^58<26K<+)KE:Q<1"N%D7:&NAA.=3T(9)3H/VSUE<>

[7]'(B<7-PH<\168MTZ#2]TLZ"+P8A6AVM0U4";WW5OP]=IRJGVAEM=77-DWU. M.G!39_$1]I/6X$12(‘R201GKB0>-

=WF3@FZ"QFV0<%OOG,#N#NRT#?7:/]&7 MF]"UR48QI" +'<(J1T:L\ 54D-D:M,ATZWN5G82,"YU3)+L3)>PN0.L5, ^E*

*M'N#TS^O_.)}^"V>X3O9Y&1:+']/9I_\5SLYQPJ-'"7T$K56ME3(,Z.R-](&A MX)-C*TM]*

[T(ZP%+)P'@MKW37!H=0.Q%2NL,,G%D;9$+@+93WK3SJ+1- M4%P=GR%-@!"9!LNTCRZ(F&WK(.-#](P;$VP/]&:\[P!';W_T:B/+:SNQ+$>7*

MM <3S9'L4M99$ M!^"Z17D)LO!L@0N!H'AVX#AC8&J?DR0$G;^MF[T=#IC!.DH.8. Z3-\F<&HNA Z =*S$+S5$TIE@ M@N.\9,U-

*;,8W&K=Q>O,KJ8,8V8$;]-LTQ.G9=#6]5CU>...>TT&JO28,EZ-V MW?E*9%;:))V*K:NB=I#13:'),-?HT2->Z0-!*BVHN@*

*M6^LFZ;=>#^.9C0P%Z*ATO6P-$,TZH9L)5AR9^*FU3MI!QKCAOH'P0*6),A2K6^8+%:HDFR^7"AW92,&_T;"#<-F-X!=-91*

MA!TZDXLHB]#$&S7=2*451$\;\BE;[XK'Z&UC[-Q#RKBQOH' TX+M':#GM_GL MTT=M[R!CW##?0@YE=U= M!/QV&6@Y&$T'*RB7!?*

%$10C99?!TUBK#@BJI.62.TS.#!0'0LQIS.XA0'@- M\]?BW,D+9UG*8*3S9--;V@!7!F1,(3-R&14;4LL<>)_P%#Y5F^#.Z=SN0LG<*

M:A)2BPCGLYKU<8UAU_;G62CK75G)?)T6Y,G>EPF$DEH5ZY/G[4=&'T)A-YY7 M$Y0-)T.C**U:?=N63GD*#N+?*

[5FS>Z'!9E+063F@XUT"Y& M;#,3OG6M\?'4=N/5-<'D$TFM WQ>I+ "\I/^GJ^5%HNWNO2&JP 0FLB?K+3** M*

#XJ52,AL23&BVL>>#J$OFZ@K(& M4$@M'5,YY=:%7]>6[\8U;'T==Q!?.S#MZV2>Z;J/U'++1Z+.#OV$LU2W$HWC

*MF*0!%B2"\@1Q;Y*&Y,FKM8%S&UKW3'J G&ZZ;@R3"]!*$!VHF>MSGFIV]^K'-MF]DVGVYGOYK=HV>ORA-\S#$*!L:I4LLD&?*

@ZD9G<'HTJV11=:S>S$[0[&-=(& M1^Z(XNX2[)<[B=JFHH($'9VA(R5<#X%0&N4+-#89EUIW0;V?FK$[AHR'D4?A M>I3*

.H#>NXMUUUO:[":01EDZ@IP(^E%5KF.L1 2/.NDJQUD] :V MXR1\MS;R)'9W@)AK0I QD+6:3;WKDB",%_0F.2O% (W5;M P M=H[G(%@YB=$=*

*.5%SFL#@4R%,,UO9B_#URFY'1,6'0^A7FV1)T7;B R$.I0R&U!,':#P+M$-?,A>"RIZXI=LWO[O;BAU8&P="*S.PBT7H\YS_*,_7B5*

*M@["T%1Y,'4"8,[C,$MC,BN:::.Y;1UL?HVELM?2$Y5] K_C*MI M(IOZQE[:]#N^N(A?E@'#-9M],*

M/T$GY+.S^1^5Z;_.%Z_FYW%5SL_N=CE\>7E!:NVZCK8H34PPA:)#0]K;J2:D.OG# MUUJZ8+1V+B;1NG%01Y-MQT# @P-O#Q'"'3,/5XTN_"

[FRRT_SLE4F)-QLFY> M?;6AC_,]^7OEK)E0FRAQ2,@#O=5U#!WC'K1AKBAA4S:M"]J&V,>X-U8=X'IT M<'2@:E\AK4P&>^4]?7Z&V^ER+[[4?

(;_7'],DKBU(:L,WF?:D_4>@O<14'.# M+!1,I747G7WH&GELP^CHN9/RVUB47<#S5H_$=8R+_MWF-4]RT#PY+\$KLRY! M$Q C"D@\&1$#]D?

*O{]@2_0434RO MOU>NG4^7GS>AW-JY8.)4[8*K$8S2'I1/""YK>H]2D44GY8UH'1%_E*B1&PWW M LQAA'CJZ?RQ;?5_+2$A7FYXNQUH-*

*!&B<.M3 DS6D.OD%,00&2!*P7R2W)K6 M5;_W$K,7&-U_&3"V$=JD)N+%5NX]_4NF;3.ZKZ:S!Y^+2[XV625K0T0##HTB MDR-YF5EP@KNCKI5*

MNG:W]]I%F32SK4_R!PD:-WP]% H>!=NQ(NE4)5X,K%PW32_]{@)JX%K5]FK>

M0G")U#RWT@BL:,ZM<^4>)&C<2/1H"#M6))TB;#O,\B.OG.HY834?K&.O"V9 M> U"$2^=KIWY@LC)82SMF]@=1^FX(>S1,-*

ES0PGBRD+FT]VM7B_$;7_DG!C-I; MTOEZ759!; M.<\!BZV]STU$V[=7:.FP$V MET$G%,0@K+T88@&?E 6R;)D6$7TJK8. N^@8-*

QC]1@Z60"=FFN7TW:V+;+=F{DE M>&8PVMIAL/;%"0JM5VE_^=D^UIRWJ&U*L'>C;]_@U_%A? M@[XMUV>#3'C.UALRHV-29$;KDL')4*

*"S*SFC2Z6Y=KV/EBY+_.0;%Q9TN6PV$ MU(6M^>YR'Y7^FUE!-4%R.6%)JJR3AL(5&4:2(?@@Z$00,=DH.F90ZPKP1XGJ MLB.O*0'85FQ=*

(?'7^8)>K_-%^DR6-)TI5[TU)TH:.PB&[WXVK5?&/"F!#!% MI$R^7);B=8'=XU1U:5B.@<5&@NL#C(MY0LS+7XGAZRV_;IFV.OON$A38O&$

M85"U)10@5O,F>PG.(KU?/LMHHC RM"X[>92H<>_I>H!B4[%U8 U>Z?FWBTR, M7/QX-:W7EA"?TUF8+/"8D1F5/7AJ74%"C8"ED6UI'?

AX@9]S+NAZPUTA4 M?>B_[6:V(]X_SC^&[W^;KC[7CGG$,E+UZ&7^X4-O D(MH8(7]Q'L9,KY:A MSYA/S-*

*)VN6R>8',LK>/>|W6V&%W$^=P/X\Q?I/\ZG"Z3}TZ96/VH|[NK%+->^MNU_KKTRD"EXA>C*(&*D$7B=[9IG L)B#Y=8(/Y0I^SAU748[!\7./79"8T'V M8>A>]QC#&9+Y LOY5T[A-*I"\,*R=]{MVB@ZQ M7&?1>@^LD!&4F%0J-D?L<;1V&2M]4O@^@8@[4+? [!!-F!>?NZ%$QD7;W^GCZ'V2=|3V_>VUG= M;/V_GB+?Z/U<>Z3$QVG:]D"FE_/F-Z[!YB3*7+0NC"#GB;^B6OC)(23CN9/! M!\=;IW<.L(VQ9Q$-9/B.+? .U/)F[UTK+F;7K8=IGF=K1M63S1M@0='!E@. MG#2"5J01I 8KZ!]OBPNN=>3B:?78S922MF]*QS#IX. X36,HZX1-W('(TH%R M3$!PF0,OS"@Z)K61K;_JAC\,!ISIU"/$#Q+BT8C]NGZ1B .+-GVU3}NRT$C^ MALC@BR!G.L1Z;YX4>2$YUA%^7/O6XU2&Q^U@@>E.<7N($$_$[>O9]9C(8*-6 MUF<)^<_71Y5L1FBU&KBRSPJ-QZX&*:7O0QFW1.I6%D;R>K:F8$! ML]J&O$M@&G2^T!9OZ$W7]\ R!&0]:U' _ (&E>,* MHG06=.*QH.)6WVF^V@P\NPCJ!$M'2/H^T)S,]@XP=&L/K^9?PG0VI4J&Y(B M]A0!2GM=V_T+X+Z.75.*E=S:0]A)2"}8.5W0M^-)W.] ^B\NUAWK9S_BE\B M+B;%&{06 XCJC*BL$0)9E/45<]*1T;L=Z1PK3F60FHP]Y=&:]B_72QS$ZNY%)E5IW M#7V0H'%OZ-H#J!WW.SBEWN,JU!;XK\-B-IU]6FYW07Z!YCZ3FV!" I6DK%Z# MAI2}RW!TX#?':#F14KG7\[7:<";"3'$H05^KNUA!6&CMYL2+? FPLB3R$BO@[:ZR%KWV-K@V9NX<>^&!E!,@TBE [A= M>AHOS\)RN0UWK+V,4)R6DC;"K*N58MQ X#%!#6ZPZ)E(JO59=R\QG=35-_3@ M3V)W![BY3O_V_6(AYQB+!I2EEM98A*B5 2^L#)]|[99 M?1JO.T#+I1.YWLJ+K:H4S!D5Z#S6IJ;U:2[I^" ^1*U_D4'WACZM]2/U? CG$;&G)GH,N,.]D4SPJY";IU MQ?E=*CJIBFAX#AW'X X@LF/ TYV;FO?SL[-?YXL_PB)/K.-H9=0@O?[(M^J//6"P\N^@$;>'&^#F0Q$Z.KB,1\6@CMG;BZ0![=SAM1$=#H=_18"=)H)O$I!MS=29%^.3)4P3KD4[^ MI&NVBLE@!1>8-<_9#U#N>D5 ;P,XAL/\7SO0/W<%X.H>Z&-O2T?P_=W=8@Z MR6VU:0"\[IL_?[>6PX21Z8#>!9 \97I3K",#4P=@M?\!C[E(T3]|XT22>YO" M,1PPGU*Y'4#YLC7',G_O,DO01>6\B\!#+2TPD;2XCQ&..9@,BYUA>=U&UOB,[JME>7F>@KZ9$RJOSQ73V:5,0]+_"V3E.1'(J>*Y! M(M;\=](OHPH.C)=(RIH'GEO?_!Y 7F\S?@9V'0>063]Z[,8(UWN2*G;/0W^/ MQ.KE=(4?^IMV-!P^.*'1U8C6M.OUDN5WF:.DTA!Q+/9H2^,S(V_>.!>2, M^ZB'P.#A >WG5WAX"!8>*3P\A-]=*(/W)5@Q:1UC28#05A!/A(.00@2A MA/ 8.==QL*+#H](5GZK@\")[YVN> B[.\#-CB0KC-(@)D^NB25;P'D!47 % M23]IB@>)]_%TQ4-XW0%:=N?0Y>!UU!Q!=N1.<>,M")(<@](C*&3U!=)U\@\/MKJ7 MVK5N_'QDNN)3I.8W 'S+EY/79U:X;;SO[DP) [1/WD2E!9>%0O:A'JC M8FF#'#F8K+ 0\'V1K>\(]B2MDZ/J2 0\6-7<1AP=H.S:5=K]>])\A%+GX0D; M JC %$27+/"0LXC>J,A:>Y+[T-6)LFJ#K^:": :NIJ&C7\)RNIR7=]<>=D1$ M:-=3&@1Z'B6N4?SF[>)3F$W_<[W 52"IXK:VLKY:_&W9SL4(9Y=HN^]++)KS@ M0H3:CDQP.AY1@K>>SLB4? $XR"%-:E]LU(?Q4E;66TML;4]+E/TP_S.9EFFI7 M^Y3FY[7!\Z=W1&":XO(C">Z7LTVZ0.:(1H-5IM;V>D!L,PC2V\R2)P:6UE;6 M*? 2.>X0^/4YO:\4GDW6?VO(!)GK(V8\7>?YUA3G4M(/-=S975U>[_\LYB6:6 M\ AF>L0B#73MJ5MKI(KOXN<2M](:\D (.2)*!BJ3- ^FYJ)/4O2DYZ<2:AWON MI^;THH$_KCU\,9_1IVG[HL[R]EKCS>SZ[TSIA2;T7'NA;-(N)6'6<\:E-82 M@G*67BC!$Y29BN8YMBWH'E>)- D+8W6J$)Q9HGQKR WZJ>WXS*_/%EV/-R1T/ M:7%M^_AIK2X#-\N\QZ\UQ7_VZ=]=#X]&9*S=MNJL-LD)6$9"*IX%H51AK'G] MZSVTG!PNN_7<5]-E.ILOSQ=XA>68F XY,N"1W&U59[A[3AA!5'?419 !E"17.6 XQQ-W M>L>N1Q;.]7(PGA17WD%A? MVL08*3LH[_82(DJUPQK17S,72.J[J&P=?=#F # MRZ]/Y?:NE@G.9Q=ZXMV<89FNCM%R^SVW@:H[8@.-]-[UE-#+ M,H"ZZA52+I'II0E.*T\'H"#]7OE(YG6-@0CZ:#"8)%IKO@/(._F",B.#%P_* M8-?[@UPI5L<^A:(R*"P2O.<9N)(VB6R3#:UC<,?2.O+-^4!8NW.W]122[%,3 MKC?\^GME\[9J^G= <':Y=C^G@;;;@\!6MQ)UIU/W_^L& M2N=>8AJIFLOG[SC(BF$E%JX!C:&#+'(% 4, S(06QU#RYM;! ^0T:#IV^]%7 MJ*VP1&T44903.1(U_NN< &%C%-R[%,03;+431=(*$XOZBK610)IZXZ)W146N M"+E$VGE@ ^UR",F-%,[M):.^'TIRI3&#+]'6=Z$!.F M1&=+<,EP MZUJGZ-Y'R\GC<6X]|PKE)A>3'"^ @EO:9*F-0:4")]2+VAMNV-";[$3)-,'! MG0DY31C?IWIYL(WYNO_;X1KF\6C]CO\]7U"(!BW@I5@%M# [PTW2'M5'3@KS/C$DF]N MPCQ&4P_SE(Y"P(Z4T';,[U.]U)R?Z;>:[7_;1A]T'EI+ M"GRQ7.+J1MZ)$$EI#8&.6U"B=H&27(!QR0;CT=GFTY$/)''LRZ_3D'),DPPI MGSX5RYO9MUJPOY@>&4ZY^NLFX91[B&D63MD_| <.U]D@RQ9K_RE7TSVB9A!# M8<"E0\%\B(FW?M4>(.?T<,J=1U_#HTHR!TDG0BU17&(CDD&8T3D1D>6D>H M'Z)G[*!*&TS<#:N/=HD:,Z\W_N[,P6RW#;-W>XVN]"9L==3/TV!-; MW(8?0G0CG;-=||=ZQ1? 7%KQ$68C.NR(M6:>LSK7"6"\'&4AI@HF)CJS4^M+D M4:). +\J\9X%=;X,0RJ5:.^R=,[2XOU;KI!D+V7OFD%5KU9 SH3C^UQ<_=:LV! MY-2GUOJMMK(ZQM#9_F$#';2+A$:J9O/H2UQHM'G:&E13G+S>8NCT2DF'T(BR MR. 4;_U:W:3@5"7R&Y*YC6\O;C4W#[^6. ^L<$Y(YR-PK4#YX\+9XX(676$AX MMOE$AX/[U .O,!YCHJS_K($.N+M\(PU0'[S#CE712.]T M'M>J0_1&ISS M60V_TP^^SI?A[" ^+ ^? G7*PA%SX+!PD#'Y&K!' =GA 9/WJ?Z@U$VC2$O['6YLMKK]85[E7))4(D(6F]YC5"]2$B8Y*56*D1'# M&C/F.$K'GM,S'-YNJZPGD&2?&NSEFL.? <%:K^&O*VG0S$ ^&B#.FW:8C3LW7= MV!$:[!"G-]" 1V^F72'5Q9*U8<%U:G:5MV#@DA%4T65.9KDCMU\8!Z+PI'*. M)9C6D[\/(K!%'[9'% [MZEW)V7 =DX)"<'J58@)"Y@T(O:@[1ZO:AY<,H'+UP M:B!L[6K;-I#<^M2!'\[C$O_CG![T^MN\]N2=1(1HMO$@6:U:,=Q:Y*J1"RHN M8[%@F!.@=$YTD-9,=5Z8*(*DJYO/Z,J'EI-;;=QZ[C7L2F\U;09D2!*4M'5T MF_'@A/(Y(1K1O([_7F)&;JO1 @=WVFHT87R?2F-'8\6+9DA'Z(^'GC9,%\C= MQ';5#5+EI(.N,VIX2G2(E0B!!0[1URT+PRE;/QV]M0-\E:7K1^;CU?OD/;(MA*X.#IWU0*X(<:,R*!>KA931*M8ZDKX? 97\/'1X/P=X\'1Y;RJ^#MLH/=&?; MO3_.K9!*DRL>8@WO!0G.Y0 Z1T]^>>*^>;.N0VDB)1_OXAL*;$^#<>[/10_M'ELLZP-A,7-4"I*K+9]#T1#$NN\@NJ15B48UGWEW'*F] M-H8\ $-W/-@G$%H'YV0=7DS:_&RZU>Z7^61D$Y3IJM:6_DH,WVYS^7%^?5;D MM6PSPPLJKR#P.BPB! M!%07:9J;R,]Z6UFE^;2@?>>S&$,@=0:0C IF.QCL[MW@[Q7C?6R>MK\8=V7 ^WZ\UW7)')1N J6E 8/+A:\U%F5C*3S?3I6Y?3@W M)FE.M32G'I6?$V&B8JB^> Y]< M??L2^HBZ)-8Z-+T787OA4#T+' XGD#X]CX<;*A_M@^SQT(%[00_HE^S? L5?@ (^DD:T4+++6,S4.)''L4O@A4'6_Z])>;AV:XSLBHX&PFO3X/ MX+U:?!]]$A_R]*?J5S[@V7Q()VGD:%0T B27L;.WSS73O/9U4H$9T, Z3: M/577\JN7Z7>\X/Q&N=^R8$M'"*3" #:Y.K8L:O*_M_CD/W"D;HF[=3&)/TD9/ MK1L$2?SP?;1B>^AI0[4C'U!Q/=)>VH22;=(:,A>U 3TO0*@J M$)@44G$=BF|M/0_;E/P*]O=TO[YH?7WS+0.W;GKC:(NE]##2N_/M74PTW'C]9< M>SUV\)[I ^JW>SMFV^QMC(E#*71>*3+UP964(*G E+*N8!XZ';R]9KN]0LU. M3>OBQK/SNW=I*7&53?:@LPB@M*KIJ=9"TM)Y@5P)/IQ6.XC43KNN'X*A^]79 M<$+K('3[(B4\JX8DYO7FWN/7\T7Z? *MS41;,VAA U#9FR@4%WF8Z)5@R/ AF M4FCM!NU#U[C!V4%0UUP"D=17)78P0.P<_]!^7PHNM3FUWKOWU"B.+V,]HV!A\T M1'%_*VB5F.)D\0"]F-7<6X10L\.\JI,^0K7)9U4ZP@ZFCAVD;,_C0!BOW*Z&&DNE3VSS2 MC?OX*^N]GCM\ _$!- =7C3:&S34%)2;;TNJ:N&O#.^0()1<[(0PC-+SK&:RI^ M(YW#,=H@>%]HV[(.$LM!@[3.!0>:U/UZ:_]>T;1LN8)M!3*"BP*0NT]KZRK MEVNV0-'H#&FRG?@A2+C?OSF1^7UJBA?:.]\L2IQ[VS4K=V90;N,7SS[EQ^_!+*<$W[XC+A:]YZ=SCY=_MO1',YY(E;=1D)NC<3!)"$AZ,SP9+Q&QM:]- K7]HZ[C-^'"%KN]!D?0C1]*JL=_M#=Q>X2I,SQHUF[MXV#"]YG:2VE6K.2VC*LYZ0"8<**8Y^=52@@PA1RZX%:9U M6EL7K>9HX43/V_36? C]=;M)N)I,)9(4.$.6ZC0_C$) \#116,#(HC&P^KVDW M)7\/K>0.P=;=7KPGRV?$A(_E8E6C3OD\K=XN-D-Z\<7WZ7(BDLHZZ@C%V%3K M&CP$%A$$3\PQRS*+>^&+%KB&+?KJ"E?WK3UV]<6#21J9W 7(B@T=N M!/("%_/EUY"PIH?BHJK9O^*7B(N)3PR+10.VK"NEZO6=Q PRL22SL<,YO0*! M]RTP.@I,%=R\-1>/AL(W7,1YHP3".UJ4' ".X,(H0.LE+O[N=B-]L7+Y48',L1/-96 M6*Z&O!)/((KAVBD=N6GMX#]&4V? &S$D(>!1>)XBC WA]"&>XW'86^AU76]6K M.9J4,0&=WXHV830XS4F9\Q L-RJ$YH[63D)Z](ILKX=QCZ9\1V@9\>K5EMD MK-\R1RH[6Q$A^5@OI/RV.172:Q8X,4S]H-S]B5GW#YU3W/.'<7Z'E%4-[)] MQ3P5+,.@ZZ[$.BU\/?(S>)XBU?,2$$.C'@X=\+LGI3I\=*?)'HSG'\;\'*)TO M5_,O-=_ZUI:V^I757*&BR9T(VFXSK$-BX*/ 5#)#9,T[KCQ,4F>0.E;TMR'5 M4 X]P.KV-GZ;SO#-"K\L)|P%*3C3D+@DO]=S!8X)# <84SZ,CQS>V[EYS/S7C M=L%\BE/N.,;W"*%WN*C?") ^03W0IPF6I(-7QH*IP8E&*$G)D+FE+[@IK/0+[M(7HZTTE'ROPQ*!TK@#ZO8N\.1O@]+.IFO^'Q5(]|"20F0X/DS[T=_?%,]Z>C MSH-)=6(ODB?F-7WI8O+"Q@J(YBU^^ICNL- ,73CM1(K>@4Y9T[M>73!5!9D , MPL7ZL^$2V/8FL].I#H=@Y\2I#@<+J\=3\'9LSF@9=$+B6I(UU=\+B)PGX)G8 MYWP2^0FBF4>$R(=#VM"@.#1^?HB$ND3PF@X4Q&DC!I4RH;,4^G6,T5U M,&A+&MSV>E[Q\X,0<&C_!!Q=_"OW6% M-)FN_QT_/TS6>\7/#V%\!^AY**(G17%>,O*3G"1R.OU'&@GY/[J;')0BK7NB#G M60;7#Q+Y <'U0_C? Y0>">H:D5'25H#+>J_.Z#/G@@6;+(HHE/7-2PV>;7#] M(-$?&%P_1 Y]9%K>S"HT"HU%74"*.CA+\0#!:H1L4Q+.&;]G"?Y0:;C#C3-[MHF.N">?[0,Z.3$3C,C.L1E^([6LIO9R4@I8C"5J+]P/>PV@_SO)T3U(IGOE MZ:|"X%YR=+>J,47CLZ?S.\E2+Q^9@YBD DTL*3X'H_3M[G /9N;VFX|]D)!V MY>,>P;&15<)? P_^>+RX.Q^4; *%DSY371'V],:(^@,O&@Q&I>%-SM%2+?/V[M*X\|C_)#Y(3NX9GX/7XA+-_:P?8$D4\6@)0O-9UN;SB $(S1P';5/@>FX M7R3Z$>C<2\!X2N54B6F,\)#02WWP 7HZ,B?:R58#9&#HKC:WSJ3.@T]+L\)%?,=[U/+%,9#UALDN_'H#0^=^"A+T=KS!,9' M3^@BJRX$: <"$)*1.P7#3//.OH\3'&%0FDS-!":46)53WH|ZZ(C,GO8O1R.%: ME3_WQ,=#L-,B\?$088T<8[K1HV=]0&QB*H990ZRIXY'HD"@RU;R;O")PS9C!$ M;^]$#HX),.U>_?DE-1XD\'E3[G>'GXL8O];&&Q9 NTSOG"17W!6>(4:!/(AL M+>YEF!V,H+$CE"UD^B!$CF#PR &I2Z/BPH)X4> <6;J(L^/M\MOWV1:0M.Y.4 M]I!X\9O&/5$&!D:OVS5SA?YVQZG*[$E*PV=,[G4/O\Q-IK5S,H.1F4C$4_P*3=!P@:+S#.%%7MF=\! MDNZ\)MMM('$BYM!Z,#D%2M.'F#4'$UT-\&6/S4^#G+G(M;-(B\9$CH13(RV2);.Z ^'7I^J=' MF-+M9=.#T#:T.]^\P(LEOY5#Q%R;[U@'L12$I# (.0V^>WB]Q[/#P1P\)T T% MN_L&Y@@NCVQ3OYYJ(DYCLY89\C8RT(?(UC,DYY>"U]H^%M)A]9HHM SS%"F[?GX,A ^#4L5UA'"_XL:Q'}46'2AES21S!V=K98M.M2]4! MU_22D+<9S9W>'[LPL/OI75QSG"C^!GP;6?(?5@M"[OD";^V <5=\H!.T),)N M+5KSK!+9YBFS7&IPNT6 ;LDO_OI(R>A-Y%\ [Z-+/F_?48\NTE]4+4CDC00 MHJ=#D(>.!4?&$Y,E1VD.CW&?I.& [3QXY6[2)Q$_D5S_6X,-7NX563J@BQ&1" MG0\=P07%06/R+*4ZJQUOZ=F.3U=%.Z=ZX[9C$)Z'+6+$#*M2$$YV0PH-1@'8MD&SHCTC[74CL? WH55W1X9;9C9@8YYC\NM MST#L>3E?KB_5UN-AWWSY&J:+NL.7G\B$RXG-B6M934G(W-5?9+M8+D E+%H M)ZP5NG6BT@'D=6'- #WG>#2.H#C"XY=WK[U]QEJ?5?7V1Z5]BW5$RN-A4PD2(P]'25F/<)_!9Q:IJO5_,I6$?.;&3T (I(?X>9SLCRQ.2IM S&R;!MS9ZA$V\Q M!^%*JCU JIKD04+TRH%'B25&R_#.9<+?4^*M9_ R*Q'I M>U'<'L_V7SGQ]B"!/YXS>PCWN\//1?TF\/4BF^R3>'L+@#OR&^_*N"CDY4;$,C- 4)WTY[>G6*!X:.U9](+UI7 MSIV2Z/:TR;<'R7C/1++=#&-X!;OY*ANAB&L[>8YK/TO2LZN%K]V>NMM+%A%!L MK.F>@8.O> <0%#5&#V:7PJ$VC"]B_&U>P5MY 1%Z'0I&C M$3FG@S\HI'->*)5;3_5K=OW=50[N,5;U8)+]0'M=GNB;6,QO\^5RDHI(RD0' MS)G:8"80]5PI<$:&XHK%DEM?+>X@HR^__W19WV=*'O!#X\2]0PNOD]!6ENA=*#-UB6 N-Q<;BVK83F_4-$3SX1VI8Z7 M*KJ.>;4)8L@9-(_)\")$:!XI?X"<9W#1?0JR6@GB5/75IF78->HW)_UV6Q-! M![VI-P:<2V(1\PJ"R1)L8=&5Y)5HWO;D7F*>P;7U*8AJ(X0N=-2%K7B1]CB= MG=.FML8D>=]_W+Y8)=6\""'3!Z2PL?JQ92=Q(-6%R?K:,&F$V5W_M8^WA1Y.4KPU^.:_Y@?66V1M7J_>Y1%*J-4P$8^>8F9/! (#'8VB'2*,[/&U=_MN"*=L4)Y8*&.A8]D9<1:E9+7+E$6@#Z;\EXJA'233?6)HAS#X64T+R#EI[TJH MS<9Y[>)0((220,,B8F2> [M/K]/G/BW@(/D>/2W@$&:/K&IVSIN7I7;PQ)IH MES-]8!*<4P80DPV.&^=%B\N>76OW$N-X^F/K9$GT@:0=<^PU%]GFX"&O7SK- M$2*] X!6.TN[R2(TA-~= L;30Z?+]"Y 3F3PR*?6"US,EU]#PI?S+_0:I6DX MNU":"=$E9.!='7# #8.019U/3B],3"&R\"HZ/@5,'-6W.Q%RB*

2">&E2ZW96SU,U[A6OP0'61AH]X>O+_MY8\?YW4JZ)W5&$T4:RA&*R-754-.JR$S(4O)H7_5.N[,$]3-.[EK,%Q=;P4 M>L(4K>),.BLT4K@AT2C:#YCK!$(&*8GBBQ,IJ=;],:F^_?]R+48/C95\.-[L% M,E14]P?.YUC'HS6)Y!X\K6WT|C2Q)XC86 RZ)&8@!TT8LMI!D);7D>#2%),Q M\-:C+@>,V#Z\?_?Q^O&;XQQ6;!:U;PHW/('R*H G>PI*",>E3;&$UNIC"QG] M1F3](."^%CF6WSV9FKJ6C;T\ YFB.]YE8I%CQ1Y{7:9RU&?=R@=-4+\G]J%6^T[Q\ZM=D@P\W5FW>_MV\"L#<" 1@9P\^!?JQ>_NO7>:SP7C0F3=Y!<55HI)O#!DT-4M&/T_T">5N,- M_RQ11U^6O3XS>/15Z[HR$5F4&NNV(Z=/)900N%MU2$Y_*ZTC6LV MV^+FP77:(>33@45]=#6O?UW?LL&DO2BY@--U(28J<(XL2=1!BT+/9+)U/X$=_MR!IY0,X@>>)@-*YR>\7;KZH[7/DCG"C%*U$D8@M>.7A9L2%%FKW7TK9M<[4!6 MI]KM4"CL"K4#Y= (!U#Z0T[*IM5>]YU?*1:D5Y:A(\Q<+I9B2I5,F-6^V?_/V M3H%SJ&#O1Y6'<;D#?+R^),9-IM^N!DYXR[3U%*8Y$*_X\X!>!F*'"%$[&J+1K M?2_\+@7C!I!#X^0(;G> E;\AL6^;Y[]N<^9Z?$!)Q)=:[6<+<<5J""E)4KM1 M8J3_1/-A6T^0,^Y)W-_H:B6'#B#U"*L^7!>(ZIVI<-36NWWV8:'H&V^_SV6)Q9D,M:"=[;92BK1.Q-IHR$I*2C 6C MA!,GB_!6%'7J,QTH_UWAM;\P.H#6G3&'1$2NJKTO0OI'P%V7LG-*M;6 ID1UBH!MH@_RE(,Y6/1_M8"V/MEZYE0E>%PK0>'& 6CN(_M/%D4D=?.!J?R!D>OZ1K+%]Q7$'V6>MU9WKTSY@:U7WL]OMVI^0'+.=GA>!;. M:Q8X<%V;DPFO(82H(&(H)3K+6?.F@H,?CK_!'Q,"Z=N_?A /)\O+>;U)%6L7 M^/3Z?D)) ^DLR&"#X!J MYH)QD$ES+T+B1;1V'.Y2294O="!&D00CF)5)2$4*0"-#SH5 M$95IK4FN7SZNJCA"I@_.!@]B9\;_R-I47K0]-OJQU>+15[5QGV88)B<3VI M.IDNO^<.*TC!D(_.MB@>7=('$D_]6R$?--/I2S7=9?7GR;?ORX_E[QNFGP7.2#98]JI.KUS;8@4 M+=0)>271'O.E=> [T28*Z4F'[R/[!S)9F;.\@ZK^[F*M=^FLS3^DL&AED5?!" M&@$]'@,HLP6*;WW.5B836U^/?YJB<=/J@Z'H*,;W"Z,_9FN?O\[=,B4JSC-(MDS4H+25@K4F+0F@=(YDU>[\W[$!(NB%JW&3X\& ZD/W]XHF6(4I$A5"\]$5E M,D"(M<&?3,E)@2S:UC-M'B%EW+3V\-C9B]4='(@\:96_D&16[?IO]5_Z-%M, MJKC>5N=R.0GGM'8*2[+/UOB4H>3:/;(4#62Y&;B,PM:=DDSS>>9M2!\W*7XJ M!VL@4?:K\S8>P1[KML9AY-Q X85XGY0&;V.&Y(/,M3D]-ZUS+JUH'W?]X\G< MNX&$V2^(;SR1/9;.1"$WUWF(NB10SAEP42N0*J/7416*I4[M,C:&\F S)4_I M7 XDTCZ3?K_EL/PPFW[[FN<7]?O#\W>//:E!*FXG(AMEU5;/? WC#G$L7G:[U M-#:1\6510% V4@ ;0_12*&M;UX]NI^18C5:?^GY5Y7%326P-JV=6Y!9G48>_ MU&'HG';7Y)BLD1^7],QKJ>.ROSMLG[Z]? OLLIZX??V3/Q_U;G8YWUR&LN3HN6B)>XBTZY)% M0!X3&"<19>AUF+@5^3OU8K?5O3,5_R MSSS=:;7T=S:K39$G5S=O<+6%85&L9F,0HK#)YZ2#4KNT>C^6CG$/D)HC*1B M&1V$?__R6PUIZDS@=QA782@MCS!B-JLI.D4L+ (/VT53OTP*RJ($KYU&G5'S9 M94#.<^\9]^"H.8B;LG5D&_F_/_W[TVL)W@4EZU1%5D_"8E002IW9*#-/6EE, M>1UY_O'/>_9SGD:4@QCCTG=F.? JEOGU;)JV+7-EQJ\LLPH1 MR39O>C2N2D"XJ\T+7&),)"O=+K;L"!+&/8T9S%<:6A@C8^XK@>'9_53WW&9I MPB>3$&L?! H^E$D&/*/0NLAL?"G!:G'_NN VG.WYVG&/1YIC:TBF!V0NGXDN MOD_F=W6UE^0R:DVN8D2DQ1KR"&S)X%%&P6*HX]+W-9EITK 3TMR+0=K)Q#$V M[&:7\ZWJ^OWL3UR?,^97E\OOLSGYIM4OO;OV=S-:.OU\-5H]H(C2(FB5'*CD M%6"LJ<.8@T^"7(=X_SAJ*PY;$K43,/W+ >9H NL@G__E,BSR?UW2:M_6[MC7 M#1@E-TS6YE.NU"YXJT:;F7NP18F4&$50V/J2P2.D])3X.OX$J 6_^X3-9A>: M8)WS*4%!@KXJM!6#K:.$T!BKDN+A%,#IX2"HB:B?A\\!?.\/0-?Y.NM4+@Z8 MJ3LK" &A6-+CB-Q'IKR4K8OMMQ+2'7 .$?+3T#F XQW YJXZ_G#=MR)GE,4C MARPC)_\P(3@I$QB5E2B%;&YN/6SE$5)Z2K&W+E@XC-_=P>;]E)Z<%\O/N,RK M&L"TF=:/*W:GKZ1CZ0# \";!F MDND.!S*1I!,!QKM]F+/ M%)9LDU*04[TOGJ6$0+X$A(BT)4#VN7=_HK/G]C@YA->=*9);=[U=_MU!E=D35UFFOC20^H= ";.N=AHR<6S0ZJ4/>_7G^C\N#UH#N1XO>;/EV&\TD\ M_E+3P^\. .1E!;8L0-#.@; M='"+J%AM(;(+(U,I4'"*RJ/S_V M->\EXUPM-^S!\ [!J/H^[/)*Z*+L(#N7.T M4%+&M.$\K390\ ^*(I]DEXD*_X@7FO;"0+,+3?L(9/2[) ?>G+FUVI!EUMJ M0 H1R3%0M%!4P*7,AJ5:3[5+-? BQ=/24H07'!.^=:=SEY,X= QGE8+?O<)F\W&RS)9$Q(Q!RMS4#GPP01@ M@3%#2S3EP265_VF%0_N(>N?"H7WXWA^ ;B[ZN1@E4K!;)4Z>*UL;;(V%M?#_#Q%'2 2 M(B\1BVC>;+IQ\=G)BX2.P=A DND U)8,'Z;K7)C-<* M@VP!O9/ DE Q2^0:@%Y M4>!L\6"]D%9;+I5JC:/[-/19"W0,;(IB<@J!CL'(LKT<^2MGFY[W%^?FO6]XRF6[F M<.>+R>7%F7391K^RS$N@0N S) MZPXTSEU6D?Z\G,? ON,CI'<9\%3JIH<00;O7QLAA90]U?3LH7/]8[97*]"*LC#XHI$+[>/8]U;G+P$9RVF9.) M+EGL[1&]2(H8-Y L]059/?1W:^D:M9- %O#>R])G>3O#BN%O;QYS6] MB=V1X(%K8U56J+R#[_*%53J4VI&-$0"B2<[EJ-@0UX9Q4OK$\LN9T>87IWY M(#EOB99ID5N,T<646W=B>#&UL7O(?9?:V'U8/:*)6LR79Y]Q^FU]G%P;YSH7 M#&CE2/%Y](F%;!.)9ZU=HG?;VR\%1_TU%O8H)]N<"GA>,CX2BQS8[E80^" MWQS>1FZE#MD QA!J5\ "Z"FX4Z$$(9DL?K>1X+N(? LR#\2.$=5_7!&NB]5DX2'IVCI$2 %.:$. ^5$G&"1FYWJE"XAF1WWGIR$(_1&2S M%OSK(K94K3-DT*FE8$DI"1',F?PDEM@W&L6O"ZA>7.= Z_G+0H[Q CT(C+ MW>'D5AVLRB&)&#U$(VM]3PD0 H5=R:&VBNLZW6]0M'1_6$O&>]Z_6$?AH^< M$;O5=_^JB[HPWD5TP+5AM(DR.=1!4TSM23G&K*1TNS2G?_#@GD1_J*RV#RPX M@"']3"BXMHE"6J459.XHC)*!_0J3 8.Q@46CM+X_3NZ9D01=7PTX5.K',.X[M(W&3FC/9A% PUZ(8#:HX#8Y%"1)UD4C0U-\4AO@?*["^5C>S*:+V?DDU6JK(_)RE1BOW7W]I= <9]2#YQ M!BZ0"ZY<C-.!('GT*.:D$NM.Q=WK%X9*,1\C M!V*FK1T4JWV6&FS1C+.87$K_MUO;(;AKSOTND#2?_"1I_,SO)G_E=+NJ],QF M@T*242C&&U"|"PA1)9")*!$AY\+NN\G' ^E1 54KBNN35&):O""^Y[HPH/ M,FN*&.I8'X]D6',*8)EW1B1D&(KW:&\?N>_4]V8/5G=@? N[NNU6ZRJ0H M?'81HC9(\8AWX)Q(0,;3J2(*>M]Z)SRD8GRL'"7865,N=X>3389#.N.DD0JX MUIR"UEIJI;T'9[2O9C,$V[I&>QL=XV+E6-D^"94#&-T:6#[GG[/SG^22WUW, M)IN5DP_;Z@Q(FX860XSQW 50!I/#F&)L?FOM28)Z@L\A|GYP&:05\SM 4FU$ MN=PTHKQN;&!Y"HDQ"UZ'1"X_1W#>);#<.FD=+\6W#HNVT=%37'V\B3J;TQVB M9;.,$G?<6VV F5K((6R@$+&>[=/N4L4&65P8&"\]&*KC)? P,9 Y@=P^@F4SS MQ[)6EALER52PP:,.$-E03!"R!RRLO4YJ@J*] QD0GUC.CEM5ZHI#KLU&Q@*\;J]<\HR9<7"V^F72>O"J-LGU6;HDG6=\IY:P+ZL0^+Z<[P,IM/_@Z.[/6 MF:]G_GLSYJ[P1_TF^6O,ZV47HW@ M<62)=:8ESY*K7=-*@90CT9Z\;1? H2PDIV^RXLGY(+=B3R[5>R^W%W0Z0\6D^ MBSFGQ3OB5%W'XGHA1OC(*$8A3,=Z3U>12RID!L.0Q=H8@/N=8K4]8/(H,7UV MCCH&,VWXWG&MU.SB(L_C!,_X8\\/{)8:OO#6E5+[4#JL.52K'#!4@P069U% M6B=%U410}7R4D]IG'EL?_0]3+O4E?L_I\IRTX9? OL_GR:NK=.K(UM7$LRQ%(M'090LECZ#FM5ODSD\E%PFYKW"7^"GO&CN2.1*!7>"OF=V"6[JJ@ZGQ-&&.= M0@N:20'%U*-44L00A:1@RU)M\X";"5DY$[S5>1\'T!',[U'Y%S-EG%*L7K/ MRRE9NWB:"(CDL7L;ZW4)23%FZYSC(Z2,C){CA?P<; [@> ? N> <&7)7XV*A" MU?XR\T)!@0FUBR<7X#BS=9X4UYD59E/KHJKME(R;4CR-I3J,[1V YVY<>:M! M9T)?O#)HJPMLA*C'>6LABB,E10;<6? OW[AL>]JQ9X?4T^B=_^7\Y)"@4SO M#CRKHQNA:SUTS1P475=_RZ -ID$;K8-WID0UQ*V; P[)AM,X0P-F;T9W)5[MEO9,.I<%"@/%IDA6.Y"-E0*A,*Y=2$*1F1W6IQGW;&$ D!S#XCZ3>.]P.O]7 M/+ ,L]N,L5I7=O--CBBP^F.#VZ0W#MD"8T2?=>OOLGQ+*Z3/-)R[E&Q>KSI M*-@BU]FQG"_4%#:3AQMMZROM3]'3[M+UVK%C&FW(DH/@I=!FDI*6IP787&)R MGDN+[1N[WB%A7*>EF>P?OV&]/Z,[,$/7?'G]ZV\9*UOJ-GR-B\EB71DI$$O. M!]5M)SL'7CI>)U_H%$*YE,9;%ML)VGL%/$1XIX-Q_N>]2SQ:H-7WORBTUR M@BQ.T-E01*GK="? F"^TRBR!SJ.V]1+.R=1"^UV=**<60'@,9*VDT@'2/I&K M6$6SO%[C67-I, 5*F!R-;/3ULYBR8-FK&AD/F3;.L6\!WF=X*X9-NX? MJ \DJ XP>-63YW/^08O,:GE& QL%BGV>LZHU.#T\9"2<7JVD>WN-8' MK7N2."X6!X/*_:!P0+EU ,NWB^7D I?Y8]F!CY@D8G09.$8*B)DNX&VH[1S1 MF]DX[+)USF$?^L;-6IT*D(-)K ,TWGC+-QF=[#WY.F1 4#"R)TD'\"PBNM$M:0!S/*_[S*7_1APBT[LDXWI$ M(>S#A[0H@'V&M%:%K^1=S*;+R?0RIX_|GQ%Y^+5--$O?LP6>/[[?";YXR9- MFD64HHZ&0N,,J0;Z$IB+D!GQ(S);.+8.8?8D\?A1A22#]:S[=0;FO%Y#^?(] MYSHC[U5*D_I^/+^51'[]ZRXI](CSRT0!QG;2U_;>9]M$+2*77)1:4*,@.*8@ M,>TE4T5EWWJ6Q(F6-K*Q'!#1#T5#DSS#4,N%_4*Q>)+_K8ZV5OWC1/D M5D@R&RER"4HE-$N&8U9@8RU=L0!BY*!;$PJ;SPAN/I,JYMMX$??\/(M8#A<9+/F_!NY.\ JUQO@]SJ[-\92 <0/+GJU5.[F-#;[U1KR]A,VFM"%8VH7DH29%.RA'6=OU M6\C)\NB9P)2:@.\Q L9KV=1(L+/67!X1*K$>6LU_G?W^^LR1@:[-F*%$4V\) MY=J!Y$RAU)TKHE#"I5=8<"2])&A$B*TKIXXX?+&K7CNV9[VCK4. MMN'OI'D^S!:+C],O6&]3?5Q^S_-7BT5>+DBC&"6,\N0V"UI*(&\W*C)V]6U MJZ FT]3ZZ.H)_AIR $O:7!:@."6E+(*2$A5 M'(1.P1KIE,C-!XOL0^#Q1_]+Q9U7K&U18-%&+1%LK(T,7?79@F?U/A\]+.A5 M:IURVT]>R",Q!L/*P^/^H^70@:U]L(K7O_[FEY:-8?;?+R>3"-T\-JF# PK MLR36M)5CP',,A1RA6$3K0\K=J1N[X_WQ6'@.7FT$TQWD-JNZRH]J9P6C#6F3 MD]4=,.!=%L D.1I1V(BA=0G;$^1T!JI&"'@2:(>+8^03AL\Y7L[GM<'J;+%< M?"Q_PRE^HQ__!?\;YVEVN? AR25]_.LC5,+R=_IS,9]-J)_#\T[SF/2ZN$NIH M."N%9=']\N%]6;\$SCI!=$D4&Y5BZC\%M!Q+-".H)A4? B5;VK$8&Z#I;^XI_ MT9*NIL5N5N&X8JEVRY=U 2K7(0E(;.6HG491@GR@];8A[O$WC'N\,02$&G&S M%TQ\RA2GUSCJ:KB-#\D)K&6BA<+BVF0H;)DA^!)""D8'G..DVM; MJ;- R:*))'T(I8(&&4 -,P([H3AXGZ;I.W0V>^UX_8R'@1& _)];$C-XVPZ MB;<6=\? Y^AC.)]_6F>&K[6(\UYX;4!1B0+WH *A$@A)YPF*3QFQVP=2>[]T) M5.9%@6I(SG<0]-_X:Y?+[[/Y],1CP06M0X-CBM<#XAJXQ@A,82[$LL#"3D/1 M]CX%O4])3QYRD_Q1 X9W"9O-/HO&1^E8NUB",Z#=DAZ4QD-P68&&3%B M(A:9YAIG&QV]@>80"=_OAW(LNSN S$/&_($7ZY[1FCL3Z_S*4"2V<0$SH*.% M,.N"22[T;R-X./4]!3 #V2N#F)\MQ#.[']MT&:3ZEQ.0>YA40*<\@ZT0@S2 M!X?VOK\\#(CZ-%V'R7PG*!T@@ [ ]+?)=+(@:;?JQ?/V>WU*(,+OXM6[NF%>) MSW19?_MN7C^X"@RL-,ZE $*3'EJC%A]4TB<=JB2%.AZ)S*P$#4],@.J^;#[.P3TE*-L M8@8/9V]/V+C:28@<@ZX=AO.*$>1,.BUJXHLGGC.3O'7!R#T2QE4S1PCS,5@< MP-F14XI$^K]GG"\$X^SK]_GL\MMW^E9^Q#Q%LM'KU(/+WEBL9!<+*GH/+O!:5U8MM'3:_MX4[Q\ZY7T6^_O*=SS:/MT?'L'1L?&]K_/EW\R'%2)OG*B>-&!^&3 BX(Z2]B M RR$=.&")915GTL+A^51 CJX,7ZX4&>M.=P)3.KY1\3K,D014@R!*2##3-O& MIP3!DP86#E.1W"]RY0TQ?@*

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*IV9<[=-&VCM Z #6CYSN6S68^&,V MC>NVZ+=:3=2FPQMZWM#_)\NKU)-7)272RQ"+8L0TQP%EJK,'L^*!,;\'9+OF^ M_=_<'X@.D?? L9,SO0#]50 ^QO)K/D71WS6>LMITD>Y]"&$!Y[>;O602G;9UC MZTR.A1N7FY]8;R-D)T#Y%V36CF=W!YBY17[=!]0 \,.3K_3= N/M*QJ%*2PL M,# J(NT^\B51:P],!9\$5UZKUG[2GB2.?#1^/"AFIY/0R/;P2R:FKD7S;9Y7 M"]HL(AE4]TL, ^EO5:KLJ7T3A/1AI4KCFM[UY_(SV3RK":!42+ZTO-&RCHR>P'"+= M^SV9CF5U#W"YKW_7#<3]=H+6R^8!9W)1DO:1,ZE!)P+9:U&VFBM,T"/4],; M=%YTZ[C#.#^RP_O'944]{8'SC-/+'U>9C<69R4)+K0I%!,E1@* R^"CJ@,52 M$JIVFT=+KM98T9VH%!>Q3B_Q/-WL_F=U@@/.';&N"U<1P7) M^3HSN""$6B6)}? R&R\1Y\X'@N]+669N!X\ UJ&!Z 5Q.3R_J:FQGE)$9XRS% MG5[5TEP/KB0)];X]:1XO,K:^"K4/?9U=&&X(O"$$U OX=MA4G_#7*C?"SU14 M@L5D0(9 RXJ\ JM(1?_,?E M8C4$X!WQ^TM>+L]7"?U_FRR_TS\D5E]?_#^+,?.HE0>9,(*PH*+3$'4##$E- M1Z7]_:Z(0T#S\!5T5K8["Q/).3}(>[7$)_F;[2TQM?V2/^NW2R-+7V:HR M\1/.R:A+`TMR28"-EH)HRQ'J_3)P2EB70R:KWMKL[45@;P=+;:S?<#+J (!7 M&9IWL_D'\N;.,Y:X. O&NZS)B+- ZU%U&P7!!61R+(O-V43?NBSB"7)V]=+ M.TEHQ?\.H/3[)9(F7N9\JW7W)A7]!N?S7\2Y?\7SRWQFA4C1,0=^-8,N(@,G M(JELX;/POF!N?HEO5]IV]E+.S481#(](6[Q#B?SU1)N1AZ>:>,Y67P/7L0_MBB5/2IC4LDE:52-DERY%O7?^U UF[@>BGG!D/)8_3A5T3Q MNC7JJ!+/W\Q^YCE^RQ\F%Y/E&3?(>&V.I[BI26E+CB/J"$P+DSA#DW8:5O/4 M.W8#R4M) #?E: ?*IW+CJ@#RJK)R _;7L_E\JF<=`X@_Z#C9-BS,7R4=D&,%Y3ZOB,H)/AO:+]58D M9@I[,,5^ZV"MG=^X&WI>4NY](&[W8GX?+.M;5;"UNSX-:BSX(T-MBDETP-F*F5Q"*

~~<)Q#\HHZX5F8L_+@@=0L5L5[$M*SI]0*F/C[_+'C_-)GF_& M&FSF,5\O\VN>7YW7_S%;3N@OK)I?GV6&7,E,T0CR2#M,T XKEM."E>%!)\9W M*A4[[.V[X>VE9.)/)(4.O+/#MJ]PDB;]25#/]MEE8$*5@=A*BRY*"&U00R/Q# MY/4(WA:*?EN/@]N9N-W0]])2]3B\O\MHPG#%T&3GWH(TF;HLDP1G2],9&1!2L*-=Z\MQ0:]D- MTB_M8* +R;^<'7 FBA(E%(KD19V5;00'9,$!;6I4VB8K3.L8>$?2=L/G2SM< M&$(NS>#V__WS U[3JO]SJ:O5;^J_^IS+_ZI__OWS^SO/_S[!\R(O_RG.+M8/ MO]<_> #1!Q$9*X*(>7T_S9M MX;EX%2C$P$BRMBX*K#<%8JAS7A,CJ0L+F*QAQIL0=>OSE\=H:=WG=G4/6A9A ME:SKPSHUB6D%*&T$B4E(BLH=*^V-YD,ZNFI2>ICTGVMONS>[N[!4V]O^QI1$ M*"*#M*%.2/<((; $)HKH##$,Q0D:(^_>]>9$P#E QCNVU-Z'X7WBYJKK;](Q M&DDA"BI'}MDP(,\M0+ 23IWE1+;7W$O7N+;7WX'M_ +]>?4-N?K82 M>*SI%94LN'47LD3*6,KB'@P<^[_54GL?(>_44GL?CG< F]JR6+Z? DO&^O&YW MR+Q*24C%N6XKF5NI(-G<'E%O3B5W(M-KO5?7''0.FHP;%03ZJ<40FM%*7U)?_':!E7RQPKXR3?YF3_-M)M/EQVG^^N=L]>/ZNOD?LV5>_'99/_WZ?7:YP&GZ^B=[_NO=[')^U>:2\ZB# ML6 9(^5L5\U92H)HG18Y:E;,_2:1VTYHCB*B)T@=BH'9& (9]?{@(WK\)NE5 M1YGKFN]*5]5:N]\!HXH@B*2%84.'K6_J/$;+N'UPAHJ'#F-Y=_;NSIVVFFU/ M-VTSSFPV/!O+P4M.FS&N^BI&!R5X#%PK)V7K9K:{4]>5YWT@&IZTC,U$TP'H M:FG0;/IE.8O_^=ODYR3E:5K0:KY\)V;_EN,Y_9'.K ^8LDP48;@ %&!D\$EH M,$REHG2]8=FZ/\0N='7EL;UOJS*A,?H!T+.Y4 G@4$5V9R^-@=EJ!#'^NMOE%_1)H*?__M__-_%!+ 0(4 Q0 ($"*_ECS08DV/R0 -/@ . " M 0 !E>#$P,E\R<3(T+FAT;5!+ 0(4 Q0 ($"*_E@7P]E#; @ *Q) M - " 6LD !E>#,Q7S)Q,C0N:'1M4$L! A0#% @ M0(K^6(TT[C.4!0)\X T (! BT &5X,S)?,G$R-"YH M=&U02P$"% ,4 " ! BOY8.4];!$]# 0 $5Q8 $ @ '! M,@ :'=M+3(P,C0P-C,P+FAT;5!+ 0(4 Q0 ($"*_E@"OM-(2Q, &33 M 0 " 3YV 0!H=VTM,C R-# V,S N>'-D4$L! A0#% M @ 0(K^6"[HDA<)(P 25 ! !0 (!MXD! &AW;2TR,#(T M,#8S,%]C86PN>&UL4$L! A0#% @ 0(K^6+&]%)T68P H"8$!0 M (!\]P! &AW;2TR,#(T,#8S,%]D968N>&UL4$L! A0#% @ M0(K^6#:XM&UL4$L! A0#% @ 0(K^6(D]-F-@EP HX(& !0 M (!9O@" &AW;2TR,#(T,#8S,%]P&UL4$L%!@) D -@(' /B/ P $! end XML 93 hwm-20240630_htm.xml IDEA: XBRL DOCUMENT 0000004281 2024-01-012024-06-30 0000004281 us-gaap:CommonStockMember 2024-01-012024-06-30 0000004281 us-gaap:PreferredStockMember 2024-01-012024-06-30 0000004281 2024-07-26 0000004281 2024-04-012024-06-30 0000004281 2023-04-012023-06-30 0000004281 2023-01-012023-06-30 0000004281 2024-06-30 0000004281 2023-12-31 0000004281 2022-12-31 0000004281 2023-06-30 0000004281 us-gaap:PreferredStockMember 2023-03-31 0000004281 us-gaap:CommonStockMember 2023-03-31 0000004281 us-gaap:AdditionalPaidInCapitalMember 2023-03-31 0000004281 us-gaap:RetainedEarningsMember 2023-03-31 0000004281 us-gaap:AccumulatedOtherComprehensiveIncomeMember 2023-03-31 0000004281 2023-03-31 0000004281 us-gaap:RetainedEarningsMember 2023-04-012023-06-30 0000004281 us-gaap:AccumulatedOtherComprehensiveIncomeMember 2023-04-012023-06-30 0000004281 us-gaap:CommonStockMember 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$100.00 per shareHWM PRNYSEAMERYesYesLarge Accelerated Filerfalsefalsefalse4081466071880000000164800000037040000003251000000128700000011960000002577000000236000000097000000881000000490000005500000098000000112000000-1500000013000000-3200000060000003340000002430000006370000004630000006800000050000000128000000122000000266000000193000000509000000344000000-4000000-7000000-9000000-40000004000000-41000000380000003000000-1000000006000000-1400000003000000-2000000-2800000033000000269000000191000000481000000374000000752000000610000000074900000067500000019000000170000001848000005500000055000000408000000410000003486000000368200000021860000001720000000-1858000000-1830000000427700000040370000001067900000104280000005090000003410000001360000001360000006700000057000000220000004013000000-1100000002000000019000000380000002600000000-1000000-700000001000000001410000001090000009900000-5000000900000060000000-80000000-17000000-150000001300000031000000170000001200000070000000-1000000-12000000-1900000057400000025200000023000000176000000010000002100000001250000006000000090000004200000035000000320000007500000030100000-4030000001370000001050000008000000-129000000-105000000-200000001420000000-2560000006100000007920000007520000005360000005500000041200000039410000001159000000-1806000000376100000019300000019300000-2000000-20000000.041800000018000000300000097000000100000000120000001200000030000000-74000000-710000005500000041200000037820000001334000000-1808000000037750000005500000040800000035420000001942000000-1861000000408600000026600000026600000030000003000000000.052200000002200000010000006000000006100000023000000230000001000000-1900000-1800000055000000408000000348600000021860000001858000000427700000055000000412000000394700000010280000001841000000360100000034100000034100000033000000330000001.875010000001000000.083400000034000000300000012200000001250006900000-660000000550000004120000003782000000133400000-1808000000037750000000550000000410000000368200000001720000000-1830000000403700000005090000005090000000-28000000-280000001.875010000001000000.104200000042000000300000020800000021100000038000000380000001000000-26000000-2500000055000000408000000348600000021860000001858000000427700000000Basis of Presentation The interim Consolidated Financial Statements of Howmet Aerospace Inc. and its subsidiaries (“Howmet” or the “Company” or “we” or “our”) are unaudited. These Consolidated Financial Statements include all adjustments, consisting only of normal recurring adjustments, considered necessary by management to fairly state the Company’s results of operations, financial position, and cash flows. The results reported in these Consolidated Financial Statements are not necessarily indicative of the results that may be expected for the entire year. The 2023 year-end balance sheet data was derived from audited financial statements but does not include all disclosures required by accounting principles generally accepted in the United States of America (“GAAP”). This Form 10-Q report should be read in conjunction with the Company's Annual Report on Form 10-K for the year ended December 31, 2023 (the “Form 10-K”), which includes all disclosures required by GAAP. Certain amounts in previously issued financial statements were reclassified to conform to the current period presentation. In the six months ended June 30, 2024, the Company derived approximately 51% of its revenue from products sold to the commercial aerospace market which is less than the pre-pandemic 2019 annual rate of approximately 60%. Aircraft production in the commercial aerospace industry continues to recover based on increases in demand for narrow body and wide body aircraft. We expect commercial aerospace wide body demand to grow faster than narrow body demand on a production percentage basis. Quality control issues at The Boeing Company (“Boeing”) are expected to negatively impact narrow body and wide body production rates in the near term. For instance, the Federal Aviation Administration stated that it will not approve production rate increases or additional production lines for the Boeing 737 MAX until it is satisfied that Boeing is in full compliance with required quality control procedures. Boeing production levels have a material impact on the financial performance of Howmet. The timing and level of future aircraft builds by original equipment manufacturers are subject to changes and uncertainties, which may cause our future results to differ from prior periods due to changes in product mix in certain segments. The preparation of the Consolidated Financial Statements of the Company in conformity with GAAP requires management to make certain judgments, estimates, and assumptions. These estimates are based on historical experience and, in some cases, assumptions based on current and future market expectations, including considerations relating to changes in the aerospace industry. The impact of these changes, including the macroeconomic considerations, remains highly uncertain. Management has made its best estimates using all relevant information available at the time, but it is possible that our estimates will differ from our actual results and affect the Consolidated Financial Statements in future periods and potentially require adverse adjustments to the recoverability of goodwill, intangible and long-lived assets, the realizability of deferred tax assets and other judgments and estimations and assumptions. Basis of Presentation The interim Consolidated Financial Statements of Howmet Aerospace Inc. and its subsidiaries (“Howmet” or the “Company” or “we” or “our”) are unaudited. These Consolidated Financial Statements include all adjustments, consisting only of normal recurring adjustments, considered necessary by management to fairly state the Company’s results of operations, financial position, and cash flows. The results reported in these Consolidated Financial Statements are not necessarily indicative of the results that may be expected for the entire year. The 2023 year-end balance sheet data was derived from audited financial statements but does not include all disclosures required by accounting principles generally accepted in the United States of America (“GAAP”). This Form 10-Q report should be read in conjunction with the Company's Annual Report on Form 10-K for the year ended December 31, 2023 (the “Form 10-K”), which includes all disclosures required by GAAP. Certain amounts in previously issued financial statements were reclassified to conform to the current period presentation. In the six months ended June 30, 2024, the Company derived approximately 51% of its revenue from products sold to the commercial aerospace market which is less than the pre-pandemic 2019 annual rate of approximately 60%. Aircraft production in the commercial aerospace industry continues to recover based on increases in demand for narrow body and wide body aircraft. We expect commercial aerospace wide body demand to grow faster than narrow body demand on a production percentage basis. Quality control issues at The Boeing Company (“Boeing”) are expected to negatively impact narrow body and wide body production rates in the near term. For instance, the Federal Aviation Administration stated that it will not approve production rate increases or additional production lines for the Boeing 737 MAX until it is satisfied that Boeing is in full compliance with required quality control procedures. Boeing production levels have a material impact on the financial performance of Howmet. 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Management has made its best estimates using all relevant information available at the time, but it is possible that our estimates will differ from our actual results and affect the Consolidated Financial Statements in future periods and potentially require adverse adjustments to the recoverability of goodwill, intangible and long-lived assets, the realizability of deferred tax assets and other judgments and estimations and assumptions. 0.510.60Recently Adopted and Recently Issued Accounting Guidance Adopted In September 2022, the Financial Accounting Standards Board (“FASB”) issued guidance to enhance the transparency of disclosures regarding supplier finance programs (See Note Q). These changes became effective for fiscal years beginning after December 15, 2022, including interim periods within those fiscal years, except for the amendment on rollforward information, which is effective for fiscal years beginning after December 15, 2023. Issued In December 2023, the FASB issued guidance to enhance the transparency of income tax disclosures including additional details on the rate reconciliation and taxes paid by jurisdiction. These changes become effective for fiscal years beginning after December 15, 2024. Management is currently evaluating the impact of

these changes on the Consolidated Financial Statements. In November 2023, the FASB issued guidance to enhance disclosures related to significant segment expenses and other matters related to reportable segments. These changes become effective for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024. Management is currently evaluating the impact of these changes on the Consolidated Financial Statements. Recently Adopted and Recently Issued Accounting Guidance Adopted In September 2022, the Financial Accounting Standards Board ("FASB") issued guidance to enhance the transparency of disclosures regarding supplier finance programs (See Note Q). These changes became effective for fiscal years beginning after December 15, 2022, including interim periods within those fiscal years, except for the amendment on rollforward information, which is effective for fiscal years beginning after December 15, 2023. Issued In December 2023, the FASB issued guidance to enhance the transparency of income tax disclosures including additional details on the rate reconciliation and taxes paid by jurisdiction. These changes become effective for fiscal years beginning after December 15, 2024. Management is currently evaluating the impact of these changes on the Consolidated Financial Statements. In November 2023, the FASB issued guidance to enhance disclosures related to significant segment expenses and other matters related to reportable segments. These changes become effective for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024. Management is currently evaluating the impact of these changes on the Consolidated Financial Statements. Recently Adopted and Recently Issued Accounting Guidance Adopted In September 2022, the Financial Accounting Standards Board ("FASB") issued guidance to enhance the transparency of disclosures regarding supplier finance programs (See Note Q). These changes became effective for fiscal years beginning after December 15, 2022, including interim periods within those fiscal years, except for the amendment on rollforward information, which is effective for fiscal years beginning after December 15, 2023. Issued In December 2023, the FASB issued guidance to enhance the transparency of income tax disclosures including additional details on the rate reconciliation and taxes paid by jurisdiction. These changes become effective for fiscal years beginning after December 15, 2024. Management is currently evaluating the impact of these changes on the Consolidated Financial Statements. In November 2023, the FASB issued guidance to enhance disclosures related to significant segment expenses and other matters related to reportable segments. These changes become effective for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024. Management is currently evaluating the impact of these changes on the Consolidated Financial Statements. Segment Information Howmet is a global leader in lightweight metals engineering and manufacturing. Howmet's innovative, multi-material products, which include nickel, titanium, aluminum, and cobalt, are used worldwide in the aerospace (commercial and defense), commercial transportation, and industrial and other markets. Segment performance under Howmet's management reporting system is evaluated based on a number of factors; however, the primary measure of performance is Segment Adjusted EBITDA. Howmet's definition of Segment Adjusted EBITDA (Earnings before interest, taxes, depreciation, and amortization) is net margin plus an add-back for depreciation and amortization. Net margin is equivalent to Sales minus the following items: Cost of goods sold; Selling, general administrative, and other expenses; Research and development expenses; and Provision for depreciation and amortization. Special items, including Restructuring and other charges, are excluded from net margin and Segment Adjusted EBITDA. Segment Adjusted EBITDA may not be comparable to similarly titled measures of other companies. Differences between the total segment and consolidated totals are in Corporate. Howmet's operations consist of four worldwide reportable segments as follows: Engine Products Engine Products produces investment castings, including airfoils, and seamless rolled rings primarily for aircraft engines and industrial gas turbine applications. Engine Products produces rotating parts as well as structural parts. Fastening Systems Fastening Systems produces aerospace fastening systems, as well as commercial transportation, industrial and other fasteners. The business's high-tech, multi-material fastening systems are found nose to tail on aircraft and aero engines. Fastening Systems' products are also critical components of commercial transportation vehicles, and construction, industrial, and renewable energy equipment. Engineered Structures Engineered Structures produces titanium ingots and mill products for aerospace and defense applications and is vertically integrated to produce titanium forgings, extrusions, forming and machining services for airframe, wing, aero-engine, and landing gear components. Engineered Structures also produces aluminum forgings, nickel forgings, and aluminum machined components and assemblies for aerospace and defense applications. Forged Wheels Forged Wheels provides forged aluminum wheels and related products for heavy-duty trucks and the commercial transportation market. The operating results of the Company's reportable segments were as follows:<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.269%"><tr><td style="width:1.0%"></td><td style="width:37.338%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.240%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.389%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.092%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.389%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.007%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.830%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.945%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.830%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.540%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Engine Products</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Fastening Systems</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Engineered Structures</td><td

colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Forged Wheels</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Total
Segment</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Second quarter ended June 30, 2024</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Sales:</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Third-party sales</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">933 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">394 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">275 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">278 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">1,880 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Inter-segment sales</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:middle">Total sales</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">934 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">394 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">278 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">278 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,884 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Profit and loss:</td><td colspan="3"

style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ceeeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Provision for depreciation and amortization</td><td style="background-color:#ceeeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ceeeff;padding:2px 0;text-align:right;vertical-align:bottom">33 </td><td style="background-color:#ceeeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td style="background-color:#ceeeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ceeeff;padding:2px 0;text-align:right;vertical-align:bottom">13 </td><td style="background-color:#ceeeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td style="background-color:#ceeeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ceeeff;padding:2px 0;text-align:right;vertical-align:bottom">11 </td><td style="background-color:#ceeeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td style="background-color:#ceeeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ceeeff;padding:2px 0;text-align:right;vertical-align:bottom">10 </td><td style="background-color:#ceeeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceeeff;padding:0 1pt"></td><td style="background-color:#ceeeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ceeeff;padding:2px 0;text-align:right;vertical-align:bottom">67 </td><td style="background-color:#ceeeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Segment Adjusted EBITDA</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">292 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">101 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">40 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">75 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">508 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Restructuring and other (credits) charges</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1) </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">14 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">15 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Capital expenditures</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">33 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">52 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:6pt"><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px

1pt;text-align:left;vertical-align:middle">Second quarter ended June 30, 2023</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Sales:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Third-party sales</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">821 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">329 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">200 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">298 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1,648 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Inter-segment sales</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:middle">Total sales</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">826 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">329 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">201 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">298 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,654 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Profit and loss:</td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt

double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Provision for depreciation and amortization</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">32 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">12 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">12 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">10 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">66 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Segment Adjusted EBITDA</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">223 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">64 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">20 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">81 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">388 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Restructuring and other (credits) charges</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Capital expenditures</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">21 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">38 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:6pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:center;vertical-align:bottom">Engine Products</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:center;vertical-align:bottom">Fastening Systems</td><td colspan="3"

style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:center;vertical-align:bottom">Engineered Structures</td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:center;vertical-align:bottom">Forged Wheels</td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:center;vertical-align:bottom">Total
Segment</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Six months ended June 30, 2024</td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:middle">Sales:</td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Third-party sales</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1,818 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">783 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">537 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">566 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">3,704 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Inter-segment sales</td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:middle">Total sales</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,821 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">783 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">541 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">566 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">3,711 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px

0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:middle">Profit and loss:</td><td colspan="3" style="background-color:#ccceff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Provision for depreciation and amortization</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">66 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">24 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">22 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">20 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">132 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Segment Adjusted EBITDA</td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">541 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">193 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">77 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">157 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">968 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Restructuring and other (credits) charges</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">14 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">15 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Capital expenditures</td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">88 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">11 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">21 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">132 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:6pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td

colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Six months ended June 30, 2023</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Sales:</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Third-party sales</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">1,616 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">641 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">407 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">587 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">3,251 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Inter-segment sales</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:middle">Total sales</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,623 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">641 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">408 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">587 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">3,259 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Profit and loss:</td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double

#000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Provision for depreciation and amortization</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">64 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">23 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">24 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">19 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">130 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Segment Adjusted EBITDA</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">435 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">122 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">50 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">160 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">767 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Restructuring and other (credits) charges</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1) </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Capital expenditures</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">54 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">14 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">15 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">16 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">99 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> The following table reconciles Total Segment Adjusted EBITDA to Income before income taxes. Differences between the total segment and consolidated totals are in Corporate.<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:49.046%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.595%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.595%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.595%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td

style="width:10.600%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Second quarter ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six months ended</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total Segment Adjusted EBITDA</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">508 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">388 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">968 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">767 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Segment provision for depreciation and amortization</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(67)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(66)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(132)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(130)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Unallocated amounts:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Restructuring and other charges</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(22)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(3)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(22)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(4)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Corporate expense</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(21)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(34)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(47)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(63)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Operating income</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">398 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">285 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">767 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">570 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Loss on debt redemption</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Interest expense, net</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(49)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(55)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(98)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(112)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Other (expense) income, net</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(15)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">13 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(32)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Income before income taxes</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">334 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">243 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">637 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">463 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> The following table reconciles total segment capital expenditures with Capital expenditures as presented in the Statement of Consolidated Cash Flows. <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td>

<td style="width:49.046%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.595%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.595%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.595%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.600%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Second quarter ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six months ended</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total segment capital expenditures</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">52 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">38 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">132 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">99 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 1.75pt;text-align:left;vertical-align:top">Corporate</td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 13pt;text-align:left;vertical-align:bottom">Capital expenditures</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">55 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">41 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">137 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">105 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> The following table disaggregates segment revenue by major market served. Differences between the total segment and consolidated totals are in Corporate.<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.707%"><tr><td style="width:1.0%"></td><td style="width:35.117%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.070%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.533%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.070%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.533%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.070%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.533%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.070%"></td><td style="width:0.1%"></td><td

*style="width:0.1%"></td><td style="width:0.533%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.071%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Engine Products</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Fastening Systems</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Engineered Structures</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Forged Wheels</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Total
Segment</td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:top">Second quarter ended June 30, 2024</td><td colspan="3" style="background-color:#ccceff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Aerospace - Commercial</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">528 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">251 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">200 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">979 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:top">Aerospace - Defense</td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">192 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">37 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">61 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">290 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Commercial Transportation</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">68 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">278 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">346 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:top">Industrial and Other</td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">213 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">38 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">14 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ccceff;padding:2px 1pt*

2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">265 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19.75pt;text-align:left;vertical-align:top">Total end-market revenue</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">933 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">394 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">275 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">278 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,880 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:6pt"><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Second quarter ended June 30, 2023</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Aerospace - Commercial</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">446 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">184 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">141 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">771 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Aerospace - Defense </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">174 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">46 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">42 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">262 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Commercial Transportation</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt

2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">62 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">298 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">360 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Industrial and Other</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">201 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">37 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">17 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">255 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 19.75pt;text-align:left;vertical-align:top">Total end-market revenue</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">821 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">329 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">200 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">298 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,648 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:6pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Six months ended June 30, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Aerospace - Commercial</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1,020 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">495 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">392 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-

align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1,907 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Aerospace - Defense </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">377 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">76 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">117 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">570 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Commercial Transportation</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">134 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">566 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">700 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Industrial and Other</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">421 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">78 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">28 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">527 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Total end-market revenue</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,818 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">783 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">537 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">566 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3,704 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:6pt"><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-

size:10pt;font-weight:700;line-height:100%">Six months ended June 30, 2023</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Aerospace - Commercial</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">878 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">354 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">293 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">1,525 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Aerospace - Defense</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">337 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">90 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">86 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">513 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Commercial Transportation</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">125 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">587 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">712 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Industrial and Other</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">401 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">72 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">28 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">501 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Total end-market revenue</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,616 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New

Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">641 </td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">407 </td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">587 </td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3,251 </td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> The Company derived 67% and 63% of its revenue from the aerospace (commercial and defense) markets for the six months ended June 30, 2024 and 2023, respectively. On April 2, 2024, General Electric Company, one of our largest customers, completed the spin-off of its energy-focused business into GE Vernova, a new publicly traded company. Since then, General Electric Company operates as GE Aerospace. GE Aerospace and RTX Corporation each represented approximately 10% of the Company's third-party sales in the six months ended June 30, 2024. General Electric Company and RTX Corporation represented approximately 13% and 10%, respectively, of the Company's third-party sales in the six months ended June 30, 2023. These sales were primarily from the Engine Products segment.4 The operating results of the Company's reportable segments were as follows:<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.269%"><tr><td style="width:1.0%"></td><td style="width:37.338%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.240%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.389%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.092%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.389%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.007%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.830%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.945%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.830%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.540%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Engine Products</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Fastening Systems</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Engineered Structures</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Forged Wheels</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Total
Segment</td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:middle">Second quarter ended June 30, 2024</td><td colspan="3" style="background-color:#ccceff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Sales:</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Third-party sales</td><td style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;padding:2px 0;text-align:right;vertical-align:bottom">933 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;padding:2px 0;text-align:right;vertical-align:bottom">394 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;padding:2px 0;text-align:right;vertical-align:bottom">275 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;padding:2px 0;text-align:right;vertical-align:bottom">278 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-

align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;padding:2px 0;text-align:right;vertical-align:bottom">1,880 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Inter-segment sales</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:middle">Total sales</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">934 </td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">394 </td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">278 </td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">278 </td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,884 </td><td style="background-color:#ccceff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Profit and loss:</td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Provision for depreciation and amortization</td><td style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;padding:2px 0;text-align:right;vertical-align:bottom">33 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;padding:2px 0;text-align:right;vertical-align:bottom">13 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;padding:2px 0;text-align:right;vertical-align:bottom">11 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ccceff;padding:2px 0;text-align:right;vertical-align:bottom">10 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;padding:2px 0;text-align:right;vertical-align:bottom">67 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Segment Adjusted EBITDA</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">292 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-

color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">101 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">40 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">75 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">508 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Restructuring and other (credits) charges</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1) </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">14 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">15 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Capital expenditures</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">33 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">9 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">52 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:6pt"><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Second quarter ended June 30, 2023</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Sales:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Third-party sales</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">821 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">329 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">200 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">298 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1,648 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-

align:middle">Inter-segment sales</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:middle">Total sales</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">826 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">329 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">201 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">298 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,654 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Profit and loss:</td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Provision for depreciation and amortization</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">32 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">12 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">12 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">66 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Segment Adjusted EBITDA</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">223 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">64 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">20 </td><td style="background-

color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">81 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">388 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Restructuring and other (credits) charges</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Capital expenditures</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">21 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">38 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:6pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:center;vertical-align:bottom">Engine Products</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:center;vertical-align:bottom">Fastening Systems</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:center;vertical-align:bottom">Engineered Structures</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:center;vertical-align:bottom">Forged Wheels</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:center;vertical-align:bottom">Total
Segment</td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Six months ended June 30, 2024</td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Sales:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Third-party sales</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1,818 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">783 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">537 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-

align:right;vertical-align:bottom">566 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">3,704 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Inter-segment sales</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:middle">Total sales</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,821 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">783 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">541 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">566 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">3,711 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Profit and loss:</td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Provision for depreciation and amortization</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">66 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">24 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">22 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">20 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">132 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Segment Adjusted EBITDA</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-

align:right;vertical-align:bottom">541 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">193 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">77 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">157 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">968 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Restructuring and other (credits) charges</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">14 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">15 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Capital expenditures</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">88 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">11 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">21 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">132 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:6pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Six months ended June 30, 2023</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Sales:</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Third-party sales</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">1,616 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">641 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">407 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">587 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px

0;text-align:right;vertical-align:bottom">3,251 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Inter-segment sales</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:middle">Total sales</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">1,623 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">641 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">408 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">587 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">3,259 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Profit and loss:</td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Provision for depreciation and amortization</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">64 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">23 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">24 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">19 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">130 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Segment Adjusted EBITDA</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">435 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">122 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2"

style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">50 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">160 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">767 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Restructuring and other (credits) charges</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1) </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Capital expenditures</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">54 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">14 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">15 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">16 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">99 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> 933000000394000000275000000278000000188000000010000000300000004000000934000000394000000278000000278000000188400000001000000020000001400000001500000033000000500000005000000090000005200000008210000003290000002000000002980000001648000000100000005000000040000002100000050000005000000700000038000001818000000783000000537000000566000000370400000030000001000000020000001400000001500000088000000120000001100000021000000132000000161600000064100000040700000058700000032510100000006000000050000005400000014000000150000001600000009900000 The following table reconciles Total Segment Adjusted EBITDA to Income before income taxes. Differences between the total segment and consolidated totals are in Corporate.<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:49.046%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.595%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.595%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.595%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.600%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Second quarter ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six months ended</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total Segment Adjusted EBITDA</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">508 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">388 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">968 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px

0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">767 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Segment provision for depreciation and amortization</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(67)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(66)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(132)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(130)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Unallocated amounts:</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Restructuring and other charges</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(22)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(3)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(22)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(4)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Corporate expense</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(21)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(34)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(47)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(63)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Operating income</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">398 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">285 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">767 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">570 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Loss on debt redemption</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top"><span

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">Interest expense, net</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(49)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(55)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(98)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(112)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Other (expense) income, net</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(15)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">13 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(32)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Income before income taxes</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">334 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">243 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">637 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">463 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
508000000388000000968000000767000000670000006600000013200000013000000-22000000-3000000-22000000-4000000-21000000-34000000-47000000-6300000039800000028500000076700000057000000000-1000000490000005500000098000000112000000-15000000130000000-320000006000000334000000243000000637000000463000000 The following table reconciles total segment capital expenditures with Capital expenditures as presented in the Statement of Consolidated Cash Flows. <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:49.046%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.595%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.595%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.595%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.600%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Second quarter ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six months ended</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Total segment capital expenditures</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">52 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-

family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">38 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">132 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">99 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:2px 1pt 2px 1.75pt;text-align:left;vertical-align:top">Corporate</td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 13pt;text-align:left;vertical-align:bottom">Capital expenditures</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">55 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">41 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">137 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">105 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
52000000380000001320000009900000030000003000000500000060000005500000041000000137000000105000000 The following table disaggregates segment revenue by major market served. Differences between the total segment and consolidated totals are in Corporate.<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.707%"><tr><td style="width:1.0%"></td><td style="width:35.117%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.070%"></td><td style="width:0.1%"></td><td style="width:0.533%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.070%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.533%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.070%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.533%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.070%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.533%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.071%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Engine Products</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Fastening Systems</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Engineered Structures</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Forged Wheels</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Total
Segment</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Second quarter ended June 30, 2024</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Aerospace - Commercial</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">528 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">251 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-

align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">200 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">979 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Aerospace - Defense </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">192 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">37 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">61 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">290 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Commercial Transportation</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">68 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">278 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">346 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Industrial and Other</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">213 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">38 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">14 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">265 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19.75pt;text-align:left;vertical-align:top">Total end-market revenue</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">933 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">394 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">275 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">278 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom"><span

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">1,880 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:6pt"><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Second quarter ended June 30, 2023</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Aerospace - Commercial</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">446 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">184 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">141 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">771 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Aerospace - Defense </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">174 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">46 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">42 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">262 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Commercial Transportation</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">62 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">298 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">360 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Industrial and Other</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">201 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">37 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">17 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">255 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td>

</tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 19.75pt;text-align:left;vertical-align:top">Total end-market revenue</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">821 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">329 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">200 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">298 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,648 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:6pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Six months ended June 30, 2024</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Aerospace - Commercial</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1,020 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">495 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">392 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1,907 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Aerospace - Defense</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">377 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">76 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">117 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">570 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Commercial Transportation</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">134 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0

1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">566 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">700 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Industrial and Other</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">421 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">78 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">28 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">527 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Total end-market revenue</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,818 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">783 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">537 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">566 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3,704 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:6pt"><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Six months ended June 30, 2023</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Aerospace - Commercial</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">878 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">354 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">293 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-

weight:400;line-height:100%">1,525 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Aerospace – Defense </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">337 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">90 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">86 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">513 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:top">Commercial Transportation</td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">125 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">587 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">712 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Industrial and Other</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">401 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">72 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">28 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">501 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:top">Total end-market revenue</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,616 </td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">641 </td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">407 </td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">587 </td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3,251 </td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
5280000002510000002000000000979000000192000000037000000610000000029000000000680000000027800000034600000021300000060
and Other Charges<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:46.122%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.326%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.326%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.326%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td

style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.331%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Second quarter ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six months ended</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Layoff costs</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">7 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">7 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Reversals of previously recorded layoff reserves</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle"> Pension and Other post-retirement benefits - net settlements (E) </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Net loss related to divestitures of assets and businesses (P) </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">14 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span style="color:#000000;font-

family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">13 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Other</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total restructuring and other charges</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">22 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">22 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">4 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> In the second quarter of 2024, the Company recorded Restructuring and other charges of $22, which were primarily due to a loss on the sale of a small U.K. manufacturing facility in Engineered Structures of $14, a charge for layoff costs of $7, including the separation of 283 employees (144 in Fastening Systems, 112 in Engineered Structures and 27 in Forged Wheels) and other exit related costs, including accelerated depreciation, of $1. In the six months ended June 30, 2024, the Company recorded Restructuring and other charges of $22, which were primarily due to a loss on the sale of a small U.K. manufacturing facility in Engineered Structures of $14, a charge for layoff costs of $7, and other exit related costs, including accelerated depreciation, of $2, partially offset by a gain on the sale of assets at a small U.K. manufacturing facility in Engine Products of $1. In the second quarter of 2023, the Company recorded Restructuring and other charges of $3, which were primarily due to charges for a U.S. pension plan settlement of $3. In the six months ended June 30, 2023, the Company recorded Restructuring and other charges of $4, which were primarily due to charges for a U.S. pension plan settlement of $3 and exit related costs, including accelerated depreciation, of $2, partially offset by a reversal of $1 for a layoff reserve related to a prior period.</div><div style="margin-bottom:6pt"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:55.040%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.935%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.373%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.206%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Layoff costs</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Other exit costs</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Total</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Reserve balances at December 31, 2023</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">5 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">2 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">7 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Cash payments</td><td colspan="2"

style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(3) </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Restructuring charges</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">15 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">22 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle"> Other(1) </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(14)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(14)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Reserve balances at June 30, 2024</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">10 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">2 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">12 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> (1)In the second quarter of 2024, other for other exit costs included a loss of $14 on the sale of a small U.K. manufacturing facility.</div><div style="margin-bottom:6pt;margin-top:6pt">The remaining reserves as of June 30, 2024 are expected to be paid in cash during the remainder of 2024 and 2025.</div><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:46.122%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.326%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.326%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.331%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Second quarter ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six months ended</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Layoff costs</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">7 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid

#000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">7 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Reversals of previously recorded layoff reserves</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle"> Pension and Other post-retirement benefits - net settlements (E) </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Net loss related to divestitures of assets and businesses (P) </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">14 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">13 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Other</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:bottom">Total restructuring and other charges</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">22 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times

New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">22 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">4 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>700000007000000000010000000-30000000-3000000-140000000-130000000100000002000000220000003000000220000004000000220000000-1400000007000000283144112271000000022000000-1400000007000000200000010000003000000-3000000400000-3000000200000001000000<div style="margin-bottom:6pt"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:55.040%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.935%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:13.373%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.206%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Layoff costs</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Other exit costs</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Total</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Reserve balances at December 31, 2023</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">5 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">2 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">7 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Cash payments</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(3)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Restructuring charges</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">15 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">22 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle"> Other(1) </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(14)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(14)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Reserve balances at June 30, 2024</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">10 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td

style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">2 </td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">12 </td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> (1)In the second quarter of 2024, other for other exit costs included a loss of $14 on the sale of a small U.K. manufacturing facility.</div>500000020000007000000200000010000003000000700000015000000220000000140000001400000010000000200000012000000-14000000Pension and Other Postretirement Benefits<div style="margin-top:6pt">The components of net periodic cost (benefit) were as follows:<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.561%"><tr><td style="width:1.0%"></td><td style="width:53.966%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.472%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.827%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.472%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.387%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td style="width:1.0%"></td><td style="width:9.472%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.827%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.477%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Second quarter ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six months ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:middle"> </td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:middle">Pension benefits</td><td colspan="3" style="background-color:#ccceff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ccceff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ccceff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Service cost</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">2 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:middle">Interest cost</td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">19 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">20 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">38 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">40 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Expected return on plan assets</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(17)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">

(18)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(35)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(37)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Recognized net actuarial loss</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">16 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">14 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Settlements</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle"> Net periodic cost(1) </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">10 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">13 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">20 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">22 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr style="height:6pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Other postretirement benefits</td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> </td></tr><tr><td colspan="3" style="background-

color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Service cost</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Interest cost</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Recognized net actuarial gain</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Amortization of prior service benefit</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(3)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(5)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(4)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle"> Net periodic benefit(1) </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(3)</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-

size:10pt;font-weight:400;line-height:100%">(2)</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table> (1)Service cost was included within Cost of goods sold and Selling, general administrative, and other expenses; settlements were included in Restructuring and other charges; all other cost components were recorded in Other expense (income), net in the Statement of Consolidated Operations. Pension benefits In the second quarter and six months ended June 30, 2023, the Company undertook additional actions to reduce gross pension obligations by $19 by purchasing group annuity contracts from a third-party carrier to pay and administer future annuity payments. These actions resulted in settlement charges of $3. For the second quarter and six months ended June 30, 2024, Howmet’s combined pension contributions and other postretirement benefit payments were approximately $17 and $22, respectively. For the second quarter and six months ended June 30, 2023, Howmet’s combined pension contributions and other postretirement benefit payments were approximately $7 and $19, respectively</div><div style="margin-top:6pt">The components of net periodic cost (benefit) were as follows:<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.561%"><tr><td style="width:1.0%"></td><td style="width:53.966%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.472%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.827%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.472%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.387%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td style="width:1.0%"></td><td style="width:9.472%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.827%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.477%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Second quarter ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six months ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:middle"> </td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Pension benefits</td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Service cost</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">2 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Interest cost</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">19 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">20 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td>

<td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">38 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">40 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Expected return on plan assets</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(17)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(18)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(35)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(37)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Recognized net actuarial loss</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">16 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">14 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Settlements</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle"> Net periodic cost(1) </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">10 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">13 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">20 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">22 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr style="height:6pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-

color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Other postretirement benefits</td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> </td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Service cost</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Interest cost</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Recognized net actuarial gain</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Amortization of prior service benefit</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(3)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(5)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(4)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" 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1pt"></td><td style="background-color:#ffffff;border-top:1pt solid

#000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(3)</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(2)</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" 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other cost components were recorded in Other expense (income), net in the Statement of Consolidated Operations.0100000010000002000000190000002000000038000000400000001700000018000000350000003700000-8000000-7000000-16000000-140000000-30000000-30000001000000013000000200000002200000000000200000010000003000000300000000100000010000000-3000000-2000000-5000000-4000000-1000000-1000000-3000000-2000000-19000000-19000000-3000000-3000000170000002200000007000000190000000Other Expense (Income), Net<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.561%"><tr><td style="width:1.0%"></td><td style="width:53.966%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.472%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.827%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.472%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td 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style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">9 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">8 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">16 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">15 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Interest income</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(6)</td><td

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style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Foreign currency losses (gains), net</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td 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style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">13 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">11 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Deferred compensation</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Other, net</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(26)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(26)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:middle">Total other expense (income), net</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">15 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td 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double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(6)</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>In the second quarter and six months ended June 30, 2023, Other, net primarily includes the reversal of $25, net of legal fees of $1, of the $65 pre-tax charge taken in the third quarter of 2022 related to the Lehman Brothers International (Europe) legal proceeding (See Note Q) due to the final settlement of such proceeding in June 2023.<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.561%"><tr><td style="width:1.0%"></td><td style="width:53.966%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.472%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.827%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.472%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.387%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.472%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.827%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.477%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Second quarter ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six months ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:middle"> </td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle"><div>Non-service costs - pension and other postretirement benefits (E)</div></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">9 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">8 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">16 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">15 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Interest income</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(6)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(5)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(11)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(10)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Foreign currency losses (gains), net</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">Net realized and

unrealized losses</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">7 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">13 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">11 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ceceff;padding:2px 1pt;text-align:left;vertical-align:middle">Deferred compensation</td><td colspan="2" style="background-color:#ceceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#ceceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ceceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#ceceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ceceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8 </td><td style="background-color:#ceceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ceceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">6 </td><td style="background-color:#ceceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Other, net</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(26)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(26)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ceceff;padding:2px 1pt 2px 7pt;text-align:left;vertical-align:middle">Total other expense (income), net</td><td style="background-color:#ceceff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ceceff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">15 </td><td style="background-color:#ceceff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceceff;padding:0 1pt"></td><td style="background-color:#ceceff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ceceff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">(13)</td><td style="background-color:#ceceff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceceff;padding:0 1pt"></td><td style="background-color:#ceceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ceceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">32 </td><td style="background-color:#ceceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceceff;padding:0 1pt"></td><td style="background-color:#ceceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ceceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">(6)</td><td style="background-color:#ceceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>900000080000001600000015000000600000050000001100000010000000-40000000-70000002000000-6000000-7000000-13000000-11000000300000030000008000000600000010000002600000010000002600000-1500000013000000-320000006000000-25000000-250000001000000100000065000000Income Taxes The Company's year-to-date tax provision is comprised of the most recent estimated annual effective tax rate applied to year-to-date pre-tax ordinary income. The tax impacts of unusual or infrequently occurring items, including changes in judgment about valuation allowances and effects of changes in tax laws or rates, are recorded discretely in the interim period in which they occur. In addition, the tax provision is adjusted for the interim period impact of non-benefited pre-tax losses. The estimated annual effective tax rate, before discrete items, applied to ordinary income was 21.7% in both the second quarter and six months ended June 30, 2024, and 23.0% in both the second quarter and six months ended June 30, 2023. The 2024 and 2023 rates were higher than the U.S. federal statutory rate of 21% primarily due to additional estimated U.S. tax on Global Intangible Low-Taxed Income ("GILTI") and other foreign earnings, incremental state tax, nondeductible expenses, and foreign earnings subject to tax in jurisdictions with tax rates higher than the U.S. federal statutory rate of 21%. Foreign taxes on earnings also subject to U.S. federal income tax also contributed to the 2023 rate being higher than the U.S. federal statutory rate of 21%. The 2024 rate was lower than the 2023 rate primarily due to a U.S. tax benefit recognized for foreign tax credits in 2024 and lower net U.S. tax on GILTI and other foreign earnings. For the second quarter of 2024 and 2023, the tax rate including discrete items was 20.4% and 20.6%, respectively. In the second quarter of 2024, the Company recorded a discrete tax benefit of $5 related to an excess tax benefit for stock compensation. In the second quarter of 2023, the Company recorded a discrete net tax benefit of $7 related to an $8 excess tax benefit for stock compensation and a net charge of $1 for other small items. For the six months ended June 30, 2024 and 2023, the tax rate including discrete items was 20.1% and 26.3%, respectively. For the six months ended June 30, 2024, the Company recorded a discrete net tax benefit of $12 attributable to a $7 excess tax benefit for stock compensation, a $6 benefit to release a valuation allowance related to a U.S. foreign tax

credits, and a net tax charge of $1 for other small items. For the six months ended June 30, 2023, the Company recorded a discrete net tax charge of $14 attributable to a $20 charge for a tax reserve established in France (See Note Q) and a net tax charge of $2 for other small items, reduced by an $8 excess tax benefit for stock compensation.</div><div style="margin-bottom:12pt;margin-top:6pt">The tax provision was comprised of the following:<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.561%"><tr><td style="width:1.0%"></td><td style="width:53.966%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.472%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.827%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.472%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.387%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.472%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.827%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.477%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Second quarter ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six months ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Pre-tax income at estimated annual effective income tax rate before discrete items</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:middle">72 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:middle">56 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:middle">138 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:middle">107 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Interim period treatment of operational losses in foreign jurisdictions for which no tax benefit is recognized</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">1 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">1 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">2 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">1 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle"> Tax reserve (Q) </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-

height:100%">20 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Other discrete items</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(5)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(7) </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(12)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(6)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Provision for income taxes</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">68 </td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">50 </td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">128 </td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">122 </td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> 0.2170.2300.2300.2040.206-5000000-7000000-800000010000000.2010.263-12000000-700000006000000100000014000000200000002000000-8000000 The tax provision was comprised of the following:<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.561%"><tr><td style="width:1.0%"></td><td style="width:53.966%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.472%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.827%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.472%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.387%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.472%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.827%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.477%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Second quarter ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six months ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Pre-tax income at estimated annual effective income tax rate before discrete items</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:middle">72 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:middle">56 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:middle">138 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td

style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:middle">107 </td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Interim period treatment of operational losses in foreign jurisdictions for which no tax benefit is recognized</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">1 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">1 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">2 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">1 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle"> Tax reserve (Q) </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">20 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Other discrete items</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(5)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(7)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(12)</td><td 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0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">50 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">128 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">122 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>
72000000560000001380000001070000001000000100000002000000100000000020000000-5000000-7000000-12000000-60000006800000050000000128000000122000000Earnings Per Share and Common Stock Basic earnings per share (“EPS”) amounts are computed by dividing earnings, after the deduction of preferred stock dividends declared, by the average number of common shares outstanding. Diluted EPS amounts assume the issuance of common stock for all potentially dilutive share equivalents outstanding. The information used to compute basic and diluted EPS attributable to Howmet common shareholders was as follows (shares in millions in the table below):<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.561%"><tr><td style="width:1.0%"></td><td style="width:53.966%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.472%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.827%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.472%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.387%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.472%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.827%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td

style="width:9.477%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Second quarter ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six months ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Net income</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">266 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">193 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">509 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">341 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Less: preferred stock dividends declared</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Net income available to Howmet Aerospace common shareholders - basic and diluted</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:middle">266 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:middle">193 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:middle">508 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:middle">340 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr>

style="height:6pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Average shares outstanding - basic</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">408 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">413 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">409 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">413 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Effect of dilutive securities:</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Stock and performance awards</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Average shares outstanding - diluted</td><td colspan="2" style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">411 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">417 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">411 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">417 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr></table> Common stock outstanding as of June 30, 2024 and 2023 was 407,883,027 and 412,169,561, respectively. On August 18, 2021, the Company announced that its Board of Directors authorized a share repurchase program (the "Share Repurchase Program") of up to $1,500 of the Company's outstanding common stock. After giving effect to the share repurchases made through June 30, 2024 and as of such date, approximately $487 Board authorization remained available. On July 30, 2024, the Company's Board of Directors authorized a $2,000 increase in the Share Repurchase Program, which, together with the remaining authorization of approximately $487, results in a Share Repurchase Program of up to approximately $2,487 of the Company's outstanding common stock. Under the Company's Share Repurchase Program , the Company may repurchase shares by means of trading plans established from time to time in accordance with Rule 10b5-1 under the Securities Exchange Act of 1934, as amended, block trades, private transactions, open market repurchases and/or accelerated share repurchase agreements, or other derivative transactions. There is no stated expiration for the Share Repurchase Program. Under its Share Repurchase Program, the Company may repurchase shares from time to time, in amounts, at prices, and at such times as the Company deems appropriate, subject to market conditions, legal requirements and other considerations. The Company is not obligated to repurchase any specific number of shares or to do so at any particular time, and the Share Repurchase Program may be suspended, modified, or terminated at any time without prior notice. The following table provides details for share repurchases made for the periods presented: <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:56.063%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.496%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.496%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:12.499%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Number of shares</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> Average price per share<span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:6.5pt;font-weight:700;line-

height:100%;position:relative;top:-3.5pt;vertical-align:baseline">(1) </td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Total</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Q1 2024 open market repurchase</td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,243,259 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">66.87 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">150 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:5pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Q2 2024 open market repurchase</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">734,737 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">81.66 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">60 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:5pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> 2024 Share repurchases as of June 30, 2024 </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,977,996 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">70.52 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">210 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:15pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Q1 2023 open market repurchase</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">576,629 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">43.36 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">25 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:5pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Q2 2023 open market repurchase</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,246,294 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">44.52 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-

color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">100 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr style="height:5pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:1pt solid #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> 2023 Share repurchases as of June 30, 2023 </td><td colspan="2" style="background-color:#cceeff;border-bottom:3pt double #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,822,923 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;padding:2px 0;text-align:right;vertical-align:bottom">44.28 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;padding:2px 0;text-align:right;vertical-align:bottom">125 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> (1)Excludes commissions cost. As average shares outstanding are used in the calculation for both basic and diluted EPS, the full impact of share repurchases and issuances was not fully realized in EPS in the period of repurchase or issuance since share activity may occur at varying points during a period. There were no shares relating to outstanding stock options excluded from the calculation of average shares outstanding - diluted for the second quarter and six months ended June 30, 2024 and 2023. Basic earnings per share ("EPS") amounts are computed by dividing earnings, after the deduction of preferred stock dividends declared, by the average number of common shares outstanding. Diluted EPS amounts assume the issuance of common stock for all potentially dilutive share equivalents outstanding. The information used to compute basic and diluted EPS attributable to Howmet common shareholders was as follows (shares in millions in the table below):<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.561%"><tr><td style="width:1.0%"></td><td style="width:53.966%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.472%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.827%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.472%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.387%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.472%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.827%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.477%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Second quarter ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six months ended</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Net income</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">266 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">193 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">509 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">341 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Less: preferred stock dividends declared</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Net income available to Howmet Aerospace common shareholders - basic and diluted</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:middle">266 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:middle">193 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:middle">508 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:middle">340 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr style="height:6pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Average shares outstanding - basic</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">408 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">413 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">409 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">413 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top">Effect of dilutive securities:</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:top">Stock and performance awards</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:top"><span style="color:#000000;font-

family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">Average shares outstanding - diluted</td><td colspan="2" style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">411 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">417 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">411 </td><td style="background-color:#ffffff;border-bottom:3pt double #000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">417 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr></table>
2660000001930000005090000003410000000010000001000000266000000193000000050800000034600000001930000005080000000346000000019300000050800000034600000001930000005080000000346000000019300000050800000034600000001930000005080000000346000000019300

color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Q1 2023 open market repurchase</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">576,629 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">43.36 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">25 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr style="height:5pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">Q2 2023 open market repurchase</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,246,294 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">44.52 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">100 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" 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2023 Share repurchases as of June 30, 2023 </td><td colspan="2" style="background-color:#cceeff;border-bottom:3pt double #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,822,923 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;padding:2px 0;text-align:right;vertical-align:bottom">44.28 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;padding:2px 0;text-align:right;vertical-align:bottom">125 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> (1)Excludes commissions cost.
224325966.871500000000734737781.6660000000297799670.5221000000057662943.3625000000224629444.5210000000000282292344.2
Other Comprehensive Loss The following table details the activity of the three components that comprise Accumulated other comprehensive loss:<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.707%"><tr><td style="width:1.0%"></td><td style="width:51.539%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.897%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.826%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.897%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:1.119%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.897%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.826%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.899%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Second quarter ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six months ended</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Pension and other postretirement benefits (E<span

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:700;line-height:100%">) </td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Balance at beginning of period</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(686)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(648)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(689)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(653)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Other comprehensive income (loss):</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Unrecognized net actuarial loss and prior service cost/benefit</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(3)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Tax benefit</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:middle">Total Other comprehensive loss before reclassifications, net of tax</td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">— </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(2)</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(1)</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">— </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle"> Amortization of net actuarial loss and prior service benefit(1) </td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">10 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">12 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle"> Tax expense(2) </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(3)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle"> Total amount reclassified from Accumulated other comprehensive income, net of tax(3) </td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">4 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">6 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">8 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">9 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Total Other comprehensive income</td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">4 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">4 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">7 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">9 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Balance at end of period</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(682)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(644)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(682)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(644)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Foreign currency translation</td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Balance at beginning of period</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(1,173)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px

0;text-align:right;vertical-align:bottom">(1,159)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(1,136)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(1,193)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle"> Other comprehensive (loss) income(4) </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(4)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(41)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">38 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Balance at end of period</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(1,177)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(1,155)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(1,177)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(1,155)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Cash flow hedges</td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Balance at beginning of period</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(2)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(5)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New

Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ccceff;padding:2px 0;text-align:right;vertical-align:bottom">5 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Other comprehensive (loss) income:</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Net change from periodic revaluations</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(10)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(14)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Tax (expense) benefit</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:middle">Total Other comprehensive income (loss) before reclassifications, net of tax</td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">3 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(8)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">2 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(11)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Net amount reclassified to earnings</td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(3)</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(4)</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle"> Tax benefit (expense)(2) </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle"> Total amount reclassified from Accumulated other comprehensive (loss) income, net of tax(3) </td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle"><span style="color:#000000;font-

family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">— </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(2)</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">4 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(3)</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ceceff;padding:2px 1pt;text-align:left;vertical-align:middle">Total Other comprehensive income (loss)</td><td colspan="2" style="background-color:#ceceff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">3 </td><td style="background-color:#ceceff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ceceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ceceff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(10)</td><td style="background-color:#ceceff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ceceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ceceff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">6 </td><td style="background-color:#ceceff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ceceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ceceff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(14)</td><td style="background-color:#ceceff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Balance at end of period</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:middle">1 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:middle">(9)</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:middle">1 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:middle">(9)</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr style="height:6pt"><td colspan="3" style="background-color:#ceceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ceceff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ceceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ceceff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ceceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ceceff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ceceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ceceff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ceceff;padding:0 1pt"></td><td colspan="3" style="background-color:#ceceff;border-top:3pt double #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Accumulated other comprehensive loss</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0;text-align:right;vertical-align:middle">(1,858)</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0;text-align:right;vertical-align:middle">(1,808)</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0;text-align:right;vertical-align:middle">(1,858)</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0;text-align:right;vertical-align:middle">(1,808)</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr></table> (1)These amounts were recorded in Restructuring and other charges (See Note D) and Other expense (income), net (See Note F) in the Statement of

Consolidated Operations. (2)These amounts were included in Provision for income taxes (See Note G) in the Statement of Consolidated Operations. (3)A positive amount indicates a corresponding charge to earnings and a negative amount indicates a corresponding benefit to earnings. (4)In all periods presented, no amounts were reclassified to earnings. The following table details the activity of the three components that comprise Accumulated other comprehensive loss:<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.707%"><tr><td style="width:1.0%"></td><td style="width:51.539%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.897%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.826%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.897%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:1.119%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.897%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.826%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:9.899%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Second quarter ended</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">Six months ended</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30,</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> Pension and other postretirement benefits (E) </td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:1pt solid #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Balance at beginning of period</td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(686)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(648)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(689)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;padding:2px 0;text-align:right;vertical-align:bottom">(653)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Other comprehensive income (loss):</td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Unrecognized net actuarial loss and prior service cost/benefit</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(3)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"><span

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">— </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Tax benefit</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:middle">Total Other comprehensive loss before reclassifications, net of tax</td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">— </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(2)</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(1)</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">— </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle"> Amortization of net actuarial loss and prior service benefit(1) </td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">8 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">10 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle"> Tax expense(2) </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(2)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(3)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle"> Total amount reclassified from Accumulated other comprehensive income, net of tax(3) </td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">4 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">6 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">8 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">9 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Total Other comprehensive income</td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">4 </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">4 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2"

style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">7 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">9 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Balance at end of period</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(682)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(644)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(682)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(644)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Foreign currency translation</td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Balance at beginning of period</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(1,173)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(1,159)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(1,136)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(1,193)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle"> Other comprehensive (loss) income(4) </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(4)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(41)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">38 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Balance at end of period</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(1,177)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td

style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(1,155)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(1,177)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:middle">(1,155)</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Cash flow hedges</td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;border-top:3pt double #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Balance at beginning of period</td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(2)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">(5)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">5 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Other comprehensive (loss) income:</td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Net change from periodic revaluations</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(10)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(14)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Tax (expense) benefit</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 12.25pt;text-align:left;vertical-align:middle">Total Other comprehensive income (loss) before reclassifications, net of tax</td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">3 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px

0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(8)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">2 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(11)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Net amount reclassified to earnings</td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(3)</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(4)</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle"> Tax benefit (expense)(2) </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">— </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(1)</td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle"> Total amount reclassified from Accumulated other comprehensive (loss) income, net of tax(3) </td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">— </td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(2)</td><td style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">4 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(3)</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Total Other comprehensive income (loss)</td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">3 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(10)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">6 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">(14)</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Balance at end of period</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:middle">1 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:middle">(9)</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:middle"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-

weight:400;line-height:100%">1 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:middle">(9)</td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr><tr style="height:6pt"><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="3" style="background-color:#cceeff;border-top:3pt double #000000;padding:0 1pt"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Accumulated other comprehensive loss</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0;text-align:right;vertical-align:middle">(1,858)</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0;text-align:right;vertical-align:middle">(1,808)</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0;text-align:right;vertical-align:middle">(1,858)</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:middle">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 0;text-align:right;vertical-align:middle">(1,808)</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td></tr></table> (1)These amounts were recorded in Restructuring and other charges (See Note D) and Other expense (income), net (See Note F) in the Statement of Consolidated Operations. (2)These amounts were included in Provision for income taxes (See Note G) in the Statement of Consolidated Operations. (3)A positive amount indicates a corresponding charge to earnings and a negative amount indicates a corresponding benefit to earnings. (4)In all periods presented, no amounts were reclassified to earnings. -686000000-648000000-689000000-6530000000-3000000-100000000-1000000000-2000000-10000000-5000000-8000000-10000000-12000000-1000000-2000000-2000000-3000000-4000000-6000000-8000000-900000040000004000000700000090000000-682000000-644000000-682000000-644000000-1173000000-1159000000-1136000000-1193000000-400000004000000-4100000038000000-1177000000-1155000000-1177000000-1155000000-200000010000005000000500000040000000-1000000030000000-1400000010000000-2000000100000000-3000000300000000-8000000200000000-1100000003000000-5000000400000001000000-1000000100000002000000-4000000300000003000000-1000000060000000-1400000010000000-900000010000009000000-1858000000-1808000000-1858000000-1808000000Receivables Sale of Receivables Programs The Company maintains an accounts receivables securitization arrangement through a wholly-owned special purpose entity (“SPE”). The net cash funding from the sale of accounts receivable was neither a use of cash nor a source of cash for the second quarter or six months ended June 30, 2024 or June 30, 2023. The accounts receivables securitization arrangement is one in which the Company, through an SPE, has a receivables purchase agreement (the “Receivables Purchase Agreement”) pursuant to which the SPE may sell certain receivables to financial institutions until the earlier of January 2, 2026 or a termination event. The Receivables Purchase Agreement contains customary representations and warranties, as well as affirmative and negative covenants. Pursuant to the Receivables Purchase Agreement, the Company does not maintain effective control over the transferred receivables, and therefore accounts for these transfers as sales of receivables. The Receivables Purchase Agreement also contains a provision that allows the Company to increase the limit to $325. The facility limit under the Receivables Purchase Agreement was $250 as of both June 30, 2024 and December 31, 2023, of which $250 was drawn as of both June 30, 2024 and December 31, 2023. As collateral against the sold receivables, the SPE maintains a certain level of unsold receivables, which were $239 and $197 as of June 30, 2024 and December 31, 2023, respectively. The Company sold $317 and $730 of its receivables without recourse and received cash funding under this program during the second quarter and six months ended June 30, 2024, respectively,

resulting in derecognition of the receivables from the Company's Consolidated Balance Sheet. The Company sold $382 and $719 of its receivables without recourse and received cash funding under the program during the second quarter and six months ended June 30, 2023, respectively, resulting in derecognition of the receivables from the Company's Consolidated Balance Sheet. Costs associated with the sales of receivables are reflected in the Company's Statement of Consolidated Operations for the periods in which the sales occur. Cash receipts from sold receivables under the Receivables Purchase Agreement are presented within operating activities in the Statement of Consolidated Cash Flows. Other Customer Receivable Sales In the second quarter and six months ended June 30, 2024, the Company sold $174 and $345, respectively, of certain customers' receivables in exchange for cash ($172 was outstanding from customers as of June 30, 2024), the proceeds from which are presented in changes in receivables within operating activities in the Statement of Consolidated Cash Flows. In the second quarter and six months ended June 30, 2023, the Company sold $151 and $289, respectively, of certain customers' receivables in exchange for cash, the proceeds from which are presented in changes in receivables within operating activities in the Statement of Consolidated Cash Flows.
3250000002500000002500000002500000002500000002390000001970000003170000007300000003820000007190000001740000005
style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:63.081%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.297%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.299%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Finished goods</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">466 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">451 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:middle">Work-in-process</td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">901 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">891 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Purchased raw materials</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">412 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">355 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:middle">Operating supplies</td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">69 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">68 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Total inventories</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,848 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,765 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> As of June 30, 2024 and December 31, 2023, the portion of inventories valued on a last-in, first-out ("LIFO") basis was $510 and $446, respectively. If valued on an average-cost basis, total inventories would have been $248 and $236 higher as of June 30, 2024 and December 31, 2023, respectively.</div><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:63.081%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.297%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.299%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Finished goods</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">466 </td><td

*style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">451 </td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:middle">Work-in-process</td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">901 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">891 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:middle">Purchased raw materials</td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">412 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">355 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:middle">Operating supplies</td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">69 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">68 </td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Total inventories</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,848 </td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,765 </td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr>
</table>4660000004510000009010000008910000004120000003550000006900000068000000184800000017650000005100000004460000*
Plants, and Equipment, net<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:63.373%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.297%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.300%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:middle">Land and land rights</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">83 </td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">88 </td><td style="background-color:#ccceff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Structures</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,022 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,018 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt;text-align:left;vertical-align:middle">Machinery and equipment</td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,105 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">4,079 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,210 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">5,185 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ccceff;padding:2px 1pt 2px 13pt;text-align:left;vertical-align:middle">Less: accumulated depreciation and amortization</td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,140 </td><td style="background-color:#ccceff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td colspan="2" style="background-color:#ccceff;padding:2px 0 2px 1pt;text-align:right;vertical-*

align:bottom">3,081 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,070 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,104 </td><td style="border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 13pt;text-align:left;vertical-align:middle">Construction work-in-progress</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">237 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">224 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:middle">Properties, plants, and equipment, net</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">2,307 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">2,328 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> The Company incurred capital expenditures which remained unpaid as of June 30, 2024 and June 30, 2023 of $62 and $48, respectively, which will result in cash outflows within investing activities in the Statement of Consolidated Cash Flows in subsequent periods.</div><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:63.373%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.297%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.300%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Land and land rights</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 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style="background-color:#cceeff;padding:2px 1pt 2px 13pt;text-align:left;vertical-align:middle">Less: accumulated depreciation and amortization</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,140 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,081 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,070 </td><td style="background-color:#ffffff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">2,104 </td><td style="border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-

align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 13pt;text-align:left;vertical-align:middle">Construction work-in-progress</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">237 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">224 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt 2px 19pt;text-align:left;vertical-align:middle">Properties, plants, and equipment, net</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">2,307 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">2,328 </td><td style="background-color:#ffffff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table>830000008800000102200000010180000004105000004079000000521000000051850000003140000000308100000020700000002 style="margin-top:6pt">Operating lease cost, which includes short-term leases and variable lease payments and approximates cash paid, was $16 in both the second quarter of 2024 and 2023, and $32 in both the six months ended June 30, 2024 and 2023.</div><div style="margin-top:6pt">Operating lease right-of-use assets and lease liabilities in the Consolidated Balance Sheet were as follows:<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:63.081%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.297%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.299%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Right-of-use assets classified in Other noncurrent assets</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">157 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">128 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr style="height:11pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle"><div>Current portion of lease liabilities classified in Other current liabilities</div></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">37 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">32 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Long-term portion of lease liabilities classified in Other noncurrent liabilities and deferred credits</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">121 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">97 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Total lease liabilities</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">158 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">129 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3"

style="display:none"></td><td colspan="3" style="display:none"></td></tr></table> 160000001600000032000000320000000 Operating lease right-of-use assets and lease liabilities in the Consolidated Balance Sheet were as follows:<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:63.081%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.297%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.299%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle">Right-of-use assets classified in Other noncurrent assets</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">157 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">128 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr style="height:11pt"><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:middle"> Current portion of lease liabilities classified in Other current liabilities </td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">37 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;padding:2px 0;text-align:right;vertical-align:bottom">32 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Long-term portion of lease liabilities classified in Other noncurrent liabilities and deferred credits</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">121 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:middle">97 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:middle"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Total lease liabilities</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">158 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">129 </td><td style="background-color:#cceeff;border-bottom:3pt double #000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr></table> 157000000128000000037000000320000001210000009700000015800000012900000000Debt<table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:63.081%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.297%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.299%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> 5.125% Notes, due 2024(1) </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">205 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid

#000;padding:2px 0;text-align:right;vertical-align:bottom">205 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> 6.875% Notes, due 2025(2) </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">577 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">600 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">USD Term Loan Facility, due 2026</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">200 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">200 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">JPY Term Loan Facility, due 2026</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">185 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">211 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> 5.900% Notes, due 2027 </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">625 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">625 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> 6.750% Bonds, due 2028 </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">300 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">300 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> 3.000% Notes, due 2029 </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">700 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">700 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> 5.950% Notes, due 2037 </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">625 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">625 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> 4.750% Iowa Finance Authority Loan, due 2042 </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">250 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">250 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle"> Other, net(3) </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(8)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(10)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,659 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,706 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Less: amount due within one year</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">782 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">206 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-

weight:400;line-height:100%">Total long-term debt</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">2,877 </td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ccceff;padding:0 1pt"></td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3,500 </td><td style="background-color:#ccceff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> (1)On July 1, 2024, the Company completed the early redemption of all the remaining outstanding principal amount of $205 of its 5.125% Notes, due in October 2024 (the “5.125% Notes”). (2)The 6.875% Notes, due 2025 (the “6.875% Notes”) are due in May 2025. (3)Includes unamortized debt discounts and unamortized debt issuance costs related to outstanding notes and bonds listed in the table above and various financing arrangements related to subsidiaries. Public Debt In January 2023, the Company repurchased approximately $26 aggregate principal amount of the 5.125% Notes through an open market repurchase (“OMR”). The OMR was settled at slightly less than par value. In March 2023, the Company completed the early partial redemption of an additional $150 aggregate principal amount of the 5.125% Notes in accordance with the terms of the notes, and paid an aggregate of $155, including accrued interest and an early termination premium of approximately $4 and $1, respectively, which were recorded in Interest expense, net, and Loss on debt redemption, respectively, in the Statement of Consolidated Operations. In the second quarter of 2024, the Company repurchased approximately $23 aggregate principal amount of the 6.875% Notes through an OMR. The OMR was settled at slightly more than par value. On July 1, 2024, the Company completed the early redemption of all of the remaining outstanding principal amount of $205 of the 5.125% Notes. The Company redeemed the 5.125% Notes at par value plus accrued interest. The 5.125% Notes were redeemed with cash on hand at an aggregate redemption price of approximately $208, including accrued interest of approximately $3. Term Loan Facilities The Company maintains (i) a U.S. dollar-denominated, senior unsecured term loan facility (the “USD Term Loan Facility”) and (ii) a Japanese yen-denominated, senior unsecured term loan facility (the “JPY Term Loan Facility”), each of which matures on November 22, 2026 unless earlier terminated in accordance with the provisions of the applicable term loan agreement. The term loan agreements relating to these facilities contain respective covenants, including, among others, a limitation requiring the ratio of Consolidated Net Debt to Consolidated EBITDA (as defined in the agreements) as of the end of each fiscal quarter for the period of the four fiscal quarters most recently ended, to be less than or equal to 3.75 to 1.00. As of June 30, 2024 and December 31, 2023, the Company was in compliance with all covenants under the USD Term Loan Facility and JPY Term Loan Facility. The amounts outstanding under the USD Term Loan Facility were $200 as of June 30, 2024 and December 31, 2023. The amounts outstanding under the JPY Term Loan Facility were ¥29,702 million ($185) and ¥29,702 million ($211) as of June 30, 2024 and December 31, 2023, respectively. The Company has entered into interest rate swaps to exchange the floating interest rates of the USD Term Loan Facility and JPY Term Loan Facility to fixed interest rates of 5.795% and 2.044%, respectively. Credit Facility The Company has entered into a Five-Year Revolving Credit Agreement (the “Credit Agreement”) that provides a $1,000 senior unsecured revolving credit facility that matures on July 27, 2028. The Credit Agreement contains covenants, including, among others, a limitation requiring the ratio of Consolidated Net Debt to Consolidated EBITDA (as defined in the Credit Agreement) as of the end of each fiscal quarter for the period of the four fiscal quarters most recently ended, to be less than or equal to 3.75 to 1.00. As of June 30, 2024 and December 31, 2023, the Company was in compliance with all covenants under the Credit Agreement. There were no amounts outstanding under the Credit Agreement as of June 30, 2024 or December 31, 2023, and no amounts were borrowed during 2024 or <span

style="background-color:#ffffff;color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:120%">2023 under the Credit Agreement. Commercial Paper On April 4, 2024, the Company established a commercial paper program under which the Company may issue unsecured commercial paper notes ("commercial paper") from time to time up to a maximum aggregate face amount of $1,000 outstanding at any time. The maturities of the commercial paper may vary but will not exceed 397 days from the date of issue and will rank equal in right of payment with all other unsecured senior indebtedness of the Company. The proceeds of the commercial paper will be used for general corporate purposes.</div><div style="margin-bottom:6pt;margin-top:6pt">There were no amounts outstanding under the commercial paper program as of June 30, 2024.</div><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:63.081%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.297%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.299%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"><div>5.125% Notes, due 2024(1)</div></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">205 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom">205 </td><td style="background-color:#cceeff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> 6.875% Notes, due 2025(2) </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">577 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">600 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom">USD Term Loan Facility, due 2026</td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">200 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">200 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom">JPY Term Loan Facility, due 2026</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">185 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">211 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> 5.900% Notes, due 2027 </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">625 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">625 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> 6.750% Bonds, due 2028 </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">300 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">300 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> 3.000% Notes, due 2029 </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">700 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">700 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:bottom"> 5.950% Notes, due 2037 </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">625 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td>

<td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">625 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:bottom"> 4.750% Iowa Finance Authority Loan, due 2042 </td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">250 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">250 </td><td style="background-color:#cceeff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle"> Other, net(3) </td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(8)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">(10)</td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,659 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td colspan="2" style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">3,706 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#ffffff;padding:2px 1pt;text-align:left;vertical-align:middle">Less: amount due within one year</td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">782 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ffffff;padding:0 1pt"></td><td colspan="2" style="background-color:#ffffff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">206 </td><td style="background-color:#ffffff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt 2px 7.75pt;text-align:left;vertical-align:middle">Total long-term debt</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">2,877 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:400;line-height:100%">$</td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3,500 </td><td style="background-color:#cceeff;border-bottom:3pt double #000000;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> (1)On July 1, 2024, the Company completed the early redemption of all the remaining outstanding principal amount of $205 of its 5.125% Notes, due in October 2024 (the “5.125% Notes”). (2)The 6.875% Notes, due 2025 (the “6.875% Notes”) are due in May 2025. (3)Includes unamortized debt discounts and unamortized debt issuance costs related to outstanding notes and bonds listed in the table above and various financing arrangements related to subsidiaries.
0.051252050000002050000000.0687557700000060000000020000000020000000018500000021100000000.059006250000006250000080000001000000036590000003706000000782000000206000000028770000003500000000020500000000.051250.051250.051250.051250.051250.05125Value of Financial Instruments The carrying values of Cash and cash equivalents, restricted cash, derivatives, noncurrent receivables and Long-term debt due within one year included in the Consolidated Balance Sheet approximate their fair value. The Company holds exchange-traded fixed income securities which are considered available-for-sale securities and are carried at fair value based on quoted market prices. The aforementioned securities are classified in Level 1 of the fair value hierarchy and are included in Other noncurrent assets in the Consolidated Balance Sheet. The fair value of Long-term debt, less amount due within one year, was based on quoted market prices for public debt and on interest rates that are currently available to Howmet for issuance of debt with similar terms and maturities for non-public debt. The fair value amounts for all Long-term debt were classified in Level 2 of the fair value hierarchy. <table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:49.046%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.595%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.595%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.595%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.600%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom"><span style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:700;line-

height:100%">Carrying
value</td><td colspan="3" style="border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Fair
value</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Carrying
value</td><td colspan="3" style="border-top:1pt solid #000000;padding:0 1pt"></td><td colspan="3" style="border-top:1pt solid #000000;padding:2px 1pt;text-align:center;vertical-align:bottom">Fair
value</td></tr><tr><td colspan="3" style="background-color:#cceeff;padding:2px 1pt;text-align:left;vertical-align:top">Long-term debt</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">2,877 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">2,839 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3,500 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#cceeff;padding:0 1pt"></td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">$</td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">3,504 </td><td style="background-color:#cceeff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table> Restricted cash, which is included in Prepaid expenses and other current assets in the Consolidated Balance Sheet, was less than $1 as of both June 30, 2024 and December 31, 2023.</div><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:49.046%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.595%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.595%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.595%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.823%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:10.600%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">June 30, 2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="9" style="padding:2px 1pt;text-align:center;vertical-align:bottom">December 31, 2023</td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"> </td><td colspan="3" style="border-top:1pt solid #000;padding:2px 1pt;text-align:center;vertical-align:bottom">Carrying
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height:120%">Environmental Matters. Howmet participates in environmental assessments and/or cleanups at more than 30 locations. These include owned or operating facilities and adjoining properties, previously owned or operated facilities and adjoining properties, and waste sites, including Superfund (Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA")) sites. A liability is recorded for environmental remediation when a cleanup program becomes probable and the costs can be reasonably estimated. As assessments and cleanups proceed, the liability is adjusted based on progress made in determining the extent of remedial actions and related costs. The liability can change substantially due to factors such as the nature and extent of contamination, changes in remedial requirements, and technological changes, among others. The Company's remediation reserve balance was $17 as of both June 30, 2024 and December 31, 2023, and was recorded in Other noncurrent liabilities and deferred credits in the Consolidated Balance Sheet (of which $7 was classified as a current liability for both periods), and reflects the most probable costs to remediate identified environmental conditions for which costs can be reasonably estimated. Payments related to remediation expenses applied against the reserve were less than $1 and $1 in the second quarter and six months ended June 30, 2024, respectively, and included expenditures currently mandated, as well as those not required by any regulatory authority or third party. Included in annual operating expenses are the recurring costs of managing hazardous substances and environmental programs. These costs are estimated to be less than 1% of Cost of goods sold. Tax. In December 2013 and 2014, the Company received audit assessment notices from the French Tax Authority ("FTA") for the 2010 through 2012 tax years. In 2016, the Company appealed to the Committee of the Abuse of Tax Law, where it received a favorable nonbinding decision. The FTA disagreed with the Committee of the Abuse of Tax Law's opinion, and the Company appealed to the Montreuil Administrative Court, where in 2020 the Company prevailed on the merits. The FTA appealed this decision to the Paris Administrative Court of Appeal in 2021. On March 31, 2023, the Company received an adverse decision from the Paris Administrative Court of Appeal. The Company appealed this decision to the French Administrative Supreme Court. The assessment amount was $17 (€16 million), including $10 (€9 million) of tax and interest up through 2017 and $7 (€7 million) of penalties. The Company estimates additional interest to be $2 (€2 million). On July 23, 2024, the Company received the French Administrative Supreme Court's decision. That decision upheld the assessment of $10 (€9 million) of tax and interest, while cancelling the penalties of $7 (€7 million) and remanding the penalty assessment issue to the Paris Administrative Court of Appeal for reexamination. As a result, the Company has no further right to appeal the assessment of tax and interest but will continue to protest the penalties. In 2023, the Company recorded an income tax reserve in Provision for income taxes in the Statement of Consolidated Operations of $21 (€19 million), which includes tax, estimated interest and penalties, for the 2010 through 2012 tax years, as well as the remaining tax years open for reassessment (2020-2023). In accordance with FTA dispute resolution practices, the Company paid the assessment amount including tax, interest, and penalties, to the FTA in December 2023 and is expecting to pay the additional interest assessment in 2024. The Company also paid the estimated tax related to the 2020-2023 tax years during 2023. No changes were made to the income tax reserve as of June 30, 2024 as a result of the French Administrative Supreme Court's decision. Beginning in the third quarter of 2024, the Company will no longer record an uncertain tax position related to the tax and interest assessed. We will continue to record an income tax reserve for penalties determined more than likely to be upheld, until the uncertain tax position is settled. Indemnified Matters. The Separation and Distribution Agreement, dated October 31, 2016, that the Company entered into with Alcoa Corporation in connection with its separation from Alcoa Corporation, provides for cross-indemnities between the Company and Alcoa Corporation for claims subject to indemnification. The Separation and Distribution Agreement, dated March 31, 2020, that the Company entered into with Arconic Corporation in connection with its separation from Arconic Corporation, provides for cross-indemnities between the Company and Arconic Corporation for claims subject to indemnification. Among other claims that are covered by these indemnities, Arconic Corporation indemnifies the Company (previously named Arconic Inc. and, prior to that, Alcoa Inc.) for all potential liabilities associated with the fire that occurred at the Grenfell Tower in London, U.K. on June 14, 2017, including the following legal proceedings, as updated from the Form 10-K: United Kingdom Litigation (various claims on behalf of survivors and estates of decedents). On June 21, 2024, the Company was joined as a party to proceedings initiated by the Royal Borough of Kensington and Chelsea that are currently pending against AAP SAS and Whirlpool. The pending proceedings are stayed until December 10, 2024. With respect to Raul v. Albaugh, et al. (derivative related claim) and the regulatory investigations in the U.K. described in the Form 10-K, there are no updates. Lehman Brothers International (Europe) Legal Proceeding. On June 26, 2020, Lehman Brothers International (Europe) ("LBIE") filed proceedings in the High Court of Justice, Business and Property Courts of England and Wales against two subsidiaries of the Company, FR Acquisitions Corporation (Europe) Ltd and JFB Firth Rixson Inc. (collectively, the "Firth Rixson Entities"). The proceedings concerned two interest rate swap transactions that the Firth Rixson Entities entered into with LBIE in 2007 and 2008. On June 15, 2023, the Company, the Firth Rixson Entities, and LBIE reached a full and final settlement of all claims arising out of the LBIE legal proceeding. The settlement provided for a payment of $40: $15 paid in July 2023 and $25 paid in July 2024. Lockheed Martin Corp v. Howmet Aerospace Inc. On November 30, 2023, Lockheed Martin Corporation ("Lockheed Martin") filed a complaint in federal district court in the Northern District of Texas against the Company and its subsidiary RTI Advanced Forming, Inc. ("RTI") as defendants. The complaint alleged that the Company and RTI breached a Master Purchase Order between Lockheed Martin and RTI related to the F-35 Joint Strike Fighter production program between Lockheed Martin and the United States government (the "F-35 Program") by seeking a fair market price adjustment for the provision of titanium mill products under RTI's separate agreements with Lockheed Martin's subcontractors for the F-35 Program. Following various claims and counterclaims and court-ordered mediation, the parties reached a confidential settlement agreement on April 2, 2024, to supply until December 31, 2026 subject to revised terms mutually agreed to by the parties. The settlement had no material impact on the results of operations in the current year. The parties stipulated to the dismissal of all claims and counterclaims with prejudice on April 2, 2024. Other. In addition to the matters discussed above, various other lawsuits, claims, and proceedings have been or may be instituted or asserted against the   Company, including those pertaining to environmental, product liability, safety and health, employment, tax and antitrust matters. While the amounts claimed in these other matters may be substantial, the ultimate liability cannot currently be determined because of the considerable uncertainties that exist. Therefore, it is possible that the Company's liquidity or results of operations in a period could be materially affected by one or more of these other matters. However, based on facts currently available, management believes that the disposition of these other matters that are pending or asserted will not have a material adverse effect, individually or in the aggregate, on the results of operations, financial position or cash flows of the Company. Commitments <span

style="color:#000000;font-family:'Times New Roman',sans-serif;font-size:10pt;font-weight:700;line-height:120%">Guarantees. As of June 30, 2024, Howmet had outstanding bank guarantees related to tax matters, environmental obligations, energy contracts, and customs duties, among others. The total amount committed under these guarantees, which expire at various dates between 2024 and 2027, was $22 as of June 30, 2024. Pursuant to the Separation and Distribution Agreement, dated as of October 31, 2016, between Howmet and Alcoa Corporation, Howmet was required to provide certain guarantees for Alcoa Corporation, which were included in Other noncurrent liabilities and deferred credits in the Consolidated Balance Sheet. The remaining guarantee which had a fair value of $6 as of June 30, 2024 and December 31, 2023, for which the Company and Arconic Corporation are secondarily liable in the event of a payment default by Alcoa Corporation, relates to a long-term energy supply agreement that expires in 2047 at an Alcoa Corporation facility. The Company currently views the risk of an Alcoa Corporation payment default on its obligations under the contract to be remote. The Company and Arconic Corporation are required to provide a guarantee up to an estimated present value amount of approximately $1,131 as of both June 30, 2024 and December 31, 2023 in the event of an Alcoa Corporation default. In December 2023, a surety bond with a limit of $80 relating to this guarantee was obtained by Alcoa Corporation to protect Howmet's obligation. This surety bond will be renewed on an annual basis by Alcoa Corporation. Letters of Credit. The Company has outstanding letters of credit primarily related to workers' compensation, environmental obligations, and insurance obligations, among others. The total amount committed under these letters of credit, which automatically renew or expire at various dates, primarily in 2024 and 2025, was $96 as of June 30, 2024. Pursuant to the Separation and Distribution Agreements between the Company and Arconic Corporation and between the Company and Alcoa Corporation, the Company is required to retain letters of credit of $52 (which are included in the $96 in the above paragraph) that had previously been provided related to the Company, Arconic Corporation, and Alcoa Corporation workers' compensation claims that occurred prior to the respective separation transactions of April 1, 2020 and November 1, 2016. Arconic Corporation and Alcoa Corporation workers' compensation and letters of credit fees paid by the Company are proportionally billed to, and are reimbursed by, Arconic Corporation and Alcoa Corporation, respectively. Also, the Company was required to provide letters of credit for certain Arconic Corporation environmental obligations and, as a result, the Company has $17 of outstanding letters of credit relating to such liabilities (which are also included in the $96 in the above paragraph). Surety Bonds. The Company has outstanding surety bonds primarily related to workers' compensation, customs duties, environmental-related matters, and contract performance. The total amount committed under these annual surety bonds, which automatically renew or expire at various dates, primarily in 2024 and 2025, was $43 as of June 30, 2024. Pursuant to the Separation and Distribution Agreements between the Company and Arconic Corporation and between the Company and Alcoa Corporation, the Company is required to provide surety bonds of $21 (which are included in the $43 in the above paragraph) that had previously been provided related to the Company, Arconic Corporation, and Alcoa Corporation workers' compensation claims that occurred prior to the respective separation transactions of April 1, 2020 and November 1, 2016. Arconic Corporation and Alcoa Corporation workers' compensation claims and surety bond fees paid by the Company are proportionately billed to, and are reimbursed by, Arconic Corporation and Alcoa Corporation, respectively. Other Liabilities Supplier Financing Arrangements. On January 1, 2023, the Company adopted the changes issued by the FASB related to disclosure requirements of supplier finance program obligations. We offer voluntary supplier finance programs to suppliers who may elect to sell their receivables to third parties at the sole discretion of both the suppliers and the third parties. The program is at no cost to the Company and provides additional liquidity to our suppliers, if they desire, at their cost. Under these programs, the Company pays the third party bank rather than the supplier, the stated amount of the confirmed invoices on the original maturity date of the invoices. The Company or the third party bank may terminate a program upon at least 30 days' notice. Supplier invoices under the program require payment in full no more than 120 days of the invoice date. As of June 30, 2024 and December 31, 2023, supplier invoices that are subject to future payment under these programs were $287 and $258, respectively, and are included in Accounts payable, trade in the Consolidated Balance Sheet.

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Events Management evaluated all activity of Howmet and concluded that no subsequent events have occurred that would require recognition in the Consolidated Financial Statements or disclosure in the Notes to the Consolidated Financial Statements, except as noted below: See Note N regarding the early redemption of the remaining outstanding 5.125% Notes. See Note H regarding an increase in share repurchase authorization by the Company's Board of Directors. On July 30, 2024, the Company's Board of Directors declared a dividend of $0.08 per share on its common stock to be paid on August 26, 2024 to holders of record as of the close of business on August 9, 2024. The quarterly dividend represents a 60% increase from the second quarter 2024 dividend of $0.05 per share. 0.051250.051250.051250.080.600.05"