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of Contents UNITED STATES SECURITIES AND EXCHANGE COMMISSIONWashington,Â D.C. 20549FormÂ 10-Q (Mark One)â˜‘QUARTERLY REPORT PURSUANT TO SECTIONÂ 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934For the quarterly period endedJune 30, 2024ORâ˜TRANSITION REPORT PURSUANT TO SECTIONÂ 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934For the transition period from Â Â Â Â Â Â Â Â Â Â Â Â Â to Â Â Â Â Â Â Â Â Â Â Â Â Â Commission file number: 001-33492CVR ENERGY, INC.(Exact name of registrant as specified in its charter)Delaware61-1512186(State or other jurisdiction ofincorporation or organization)(I.R.S. EmployerIdentification No.)2277 Plaza Drive, Suite 500, Sugar Land, Texas 77479 (Address of principal executive offices) (Zip Code) (281)Â 207-3200 (Registrantâ€™s telephone number, including area code)____Securities registered pursuant to SectionÂ 12(b) of the Act:Title of each classTrading Symbol(s)Name of each exchange on which registeredCommon Stock, $0.01 par value per shareCVIThe New York Stock ExchangeIndicate 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 12Â 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 90Â days. YesÂ â˜‘Â Â Â Â Â NoÂ â˜Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to RuleÂ 405 of RegulationÂ S-T (Â§232.405 of this chapter) during the preceding 12Â months (or for such shorter period that the registrant was required to submit such files). YesÂ â˜‘Â Â Â Â Â NoÂ 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 companyâ€ and â€œemerging growth companyâ€ in RuleÂ 12b-2 of the Exchange Act.Large accelerated filerâ˜‘Accelerated filerâ˜Â Â Non-accelerated filerâ˜Smaller reporting companyâ˜Â Â Emerging growth companyâ˜If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. â˜ Indicate by check mark whether the registrant is a shell company (as defined by RuleÂ 12b-2 of the Exchange Act). YesÂ â˜Â Â Â Â Â NoÂ â˜‘There were 100,530,599 shares of the registrantâ€™s common stock outstanding at JulyÂ 26, 2024.Table of Contents TABLE OF CONTENTSCVR Energy, Inc. - Quarterly Report on Form 10-QJune 30, 2024PART I. Financial InformationPART II. Other InformationItemÂ 1.Financial Statements6ItemÂ 1.Legal Proceedings51Condensed Consolidated Balance Sheets - June 30, 2024 and December 31, 2023 (unaudited)6ItemÂ 1A.Risk Factors51Condensed Consolidated Statements of Operations - Three and Six Months Ended June 30, 2024 and 2023 (unaudited)7ItemÂ 5.Other Information51Condensed Consolidated Statements of Changes in Equity - Three and Six Months Ended June 30, 2024 and 2023 (unaudited)8ItemÂ 6.Exhibits51Condensed Consolidated Statements of Cash Flows - Six Months Ended June 30, 2024 and 2023 (unaudited)9Signatures52Notes to the Condensed Consolidated Financial Statements (unaudited)10ItemÂ 2.Managementâ€™s Discussion and Analysis of Financial Condition and Results of Operations23ItemÂ 3.Quantitative and Qualitative Disclosures About Market Risk49ItemÂ 4.Controls and Procedures49 This Quarterly Report on FormÂ 10-Q (including documents incorporated by reference herein) contains statements with respect to our expectations or beliefs as to future events. These types of statements are â€œforward-lookingâ€ and subject to uncertainties. See â€œImportant Information Regarding Forward-Looking Statementsâ€ section of this filing.June 30, 2024 | 2Table of ContentsImportant Information Regarding Forward-Looking StatementsThis Quarterly Report on Form 10-Q (this â€œReportâ€) contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended (the â€œSecurities Actâ€), and Section 21E of the Securities Exchange Act of 1934, as amended (the â€œExchange Actâ€), including, but not limited to, those under Item 2. Managementâ€™s Discussion and Analysis of Financial Condition and Results of Operations. These forward-looking statements are subject to a number of risks and uncertainties, many of which are beyond our control. All statements other than statements of historical fact, including without limitation, statements regarding future operations, financial position, estimated revenues and losses, growth, capital projects, stock or unit repurchases, impacts of legal proceedings, projected costs, prospects, plans and objectives of management are forward looking statements. The words â€œcouldâ€, â€œbelieveâ€, â€œanticipateâ€, â€œintendâ€, â€œestimateâ€, â€œexpectâ€, â€œmayâ€, â€œcontinueâ€, â€œpredictâ€, â€œpotentialâ€, â€œprojectâ€, and similar terms and phrases are intended to identify forward-looking statements.Although we believe our assumptions concerning future events are reasonable, a number of risks, uncertainties, and other factors could cause actual results and trends to differ materially from those projected or forward looking. Forward looking statements, as well as certain risks, contingencies or uncertainties that may impact our forward-looking statements, include but are not limited to the following:â€¢volatile margins in the refining industry and exposure to the risks associated with volatile crude oil, refined product and feedstock prices;â€¢the availability of adequate cash and other sources of liquidity for the capital and other needs of our businesses;â€¢the effects of the Russia-Ukraine war and the conflict in the Middle East and any spread or expansion thereof, including with respect to impacts to commodity prices and other markets;â€¢the effects of changes in market conditions; market volatility; crude oil and other commodity prices; demand for those commodities, storage and transportation capacities, including inflation, and the impact of such changes on our operating results and financial condition;â€¢the ability to forecast our future financial condition, results of operations, revenues and expenses;â€¢the effects of transactions involving derivative instruments;â€¢changes in laws, regulations, rules and policies with respect to crude oil, refined products, other hydrocarbons or renewable feedstocks or products including, without limitation, the export, production, sale or transportation thereof and the actions of the Biden Administration that impact oil and gas operations in the United States;â€¢interruption in pipelines supplying feedstocks or distributing the petroleum businessâ€™ products;â€¢competition in the petroleum and nitrogen fertilizer businesses, including potential impacts of domestic and global supply and demand and/or domestic or international duties, tariffs, or similar costs;â€¢capital expenditures;â€¢changes in our or our segmentsâ€™ credit profiles;â€¢the cyclical and seasonal nature of the petroleum and nitrogen fertilizer businesses;â€¢the supply, availability and price levels of essential raw materials and feedstocks;â€¢our production levels, including the risk of a material decline in those levels;â€¢accidents or other unscheduled shutdowns or interruptions affecting our facilities, machinery, or equipment, or those of our suppliers or customers;â€¢existing and future laws, regulations, policies, or rulings, including the reinterpretation or amplification thereof by regulators, and including but not limited to those relating to the environment, climate change, alternatively energy or fuel sources, including electric vehicles, emissions, including tailpipe emission standards that could impact the future viability of internal combustion engines, renewables, safety, security and/or the transportation or production of hazardous chemicals like ammonia, including potential liabilities or capital requirements arising from such laws, regulations or rulings and our expectations concerning the impacts of such laws, regulations or rulings on macroeconomic factors, including consumer activity;â€¢potential operating hazards, downtime, and damage to CVR Energy, Inc.â€™s and CVR Partners, LPâ€™s facilities and other assets from accidents, fire, severe weather, tornadoes, floods, or other natural disasters;â€¢the impact of weather on commodity supply and/or pricing and on the nitrogen fertilizer business including our ability to produce, market or sell fertilizer products profitability or at all;â€¢rulings, judgments or settlements in litigation, tax or other legal or regulatory matters;â€¢the dependence of the nitrogen fertilizer business on customers and distributors including to transport goods and equipment and providers of feedstocks;â€¢the reliance on, or the ability to procure economically or at all, petroleum coke (â€œpet cokeâ€) our nitrogen fertilizer business purchases from our subsidiaries and third-party suppliers or the natural gas, electricity, oxygen, nitrogen, June 30, 2024 | 3Table of Contentssulfur processing and compressed dry air and other products purchased from third parties by the nitrogen fertilizer and petroleum businesses;â€¢risks associated with third-party operation of or control over important facilities necessary for operation of our refineries and nitrogen fertilizer facilities;â€¢risks of terrorism, cybersecurity attacks, and the security of chemical manufacturing facilities and other matters beyond our control;â€¢our lack of diversification of assets or operating and supply areas;â€¢the petroleum businessâ€™ and nitrogen fertilizer businessâ€™ dependence on significant customers and the creditworthiness and performance by counterparties;â€¢the potential loss of the nitrogen fertilizer businessâ€™ transportation cost advantage over its competitors;â€¢the potential inability to successfully implement our business strategies at all or on time and within our anticipated budgets, including significant capital programs or projects, turnarounds or renewable or carbon reduction initiatives at our refineries and fertilizer facilities, including pretreater, carbon sequestration, segregation of our renewables business and other projects;â€¢our ability to continue to license the technology used for our operations;â€¢our petroleum businessâ€™ purchase of, or ability to purchase, renewable identification numbers (â€œRINsâ€) on a timely and cost effective basis or at all;â€¢the impact of refined product demand and declining inventories on refined product prices and crack spreads;â€¢Organization of Petroleum Exporting Countriesâ€™ and its alliesâ€™ production levels and pricing;â€¢the impact of RINs pricing, our blending and purchasing activities and governmental actions, including by the U.S. Environmental Protection Agency (the â€œEPAâ€) on our RIN obligation, open RINs positions, small refinery exemptions, and our estimated consolidated cost to comply with our Renewable Fuel Standard (â€œRFSâ€) obligations;â€¢our accounting policies and treatment, including of our RFS obligations;â€¢operational upsets or changes in laws that could impact the amount and receipt of credits (if any) under Section 45Q of the Internal Revenue Code of 1986, as amended;â€¢our ability to meet certain carbon oxide capture and sequestration milestones;â€¢our businessesâ€™ ability to obtain, retain or renew environmental and other governmental permits, licenses or authorizations necessary for the operation of its business;â€¢impact of potential runoff of water containing nitrogen based fertilizer into waterways and regulatory or legal actions in response thereto;â€¢our ability to issue securities or obtain financing at favorable rates or at all;â€¢bank failures or other events affecting financial institutions;â€¢existing and future regulations related to the end-use of our products or the application of fertilizers;â€¢refinery and nitrogen fertilizer facilitiesâ€™ operating hazards and interruptions, including unscheduled maintenance or downtime and the availability of adequate insurance coverage;â€¢risks related to services provided by or competition among our subsidiaries, including conflicts of interests and control of CVR Partners, LPâ€™s general partner, and control of CVR Energy, Inc. by its controlling shareholder;â€¢risks related to potential strategic transactions involving CVR Energy, Inc. including but not limited to these in which its controlling shareholder or others may participate (including by providing financing to CVR Energy, Inc. or otherwise) and potential strategic transactions involving CVR Partners, LP in which CVR Energy, Inc. and/or its controlling shareholder or others may participate, including in each case the process of exploring any such transaction and potentially completing any such transaction, including the costs thereof and the risk that any such transaction may not achieve some or all of any anticipated benefits;â€¢instability and volatility in the capital and credit markets;â€¢restrictions in our debt agreements;â€¢our ability to refinance our debt on acceptable terms or at all;â€¢asset impairments and impacts thereof;â€¢the outcome of any legal proceedings involving or investigations of our controlling shareholder or his affiliates;â€¢our controlling shareholderâ€™s intentions regarding ownership of our common stock, including any dispositions of our common stock;â€¢the impact of any future pandemic or breakout of infectious disease, and of businessesâ€™ and governmentsâ€™ responses to such pandemic on our operations, personnel, commercial activity, and supply and demand across our and our customersâ€™ and suppliersâ€™ business;â€¢the variable nature of CVR Partners, LPâ€™s distributions, including the ability of its general partner to modify or revoke its distribution policy, or to cease making cash distributions on its common units;June 30, 2024 | 4Table of Contentsâ€¢changes in tax and other laws, regulations and policies, including, without limitation, actions of the Biden Administration that impact conventional fuel operations or favor renewable energy projects in the U.S.; â€¢changes in CVR Partners, LPâ€™s treatment as a partnership for U.S. federal income or state tax purposes;â€¢our ability to recover under our insurance policies for damages or losses in full or at all;â€¢labor supply shortages, labor difficulties, labor disputes or strikes and the impacts thereof; â€¢impacts of any decision to return a unit back to hydrocarbon processing following renewable conversion; andâ€¢the factors described in greater detail under â€œRisk

Factorsâ€ in Item 1A of our Annual Report on Form 10-K for the year ended December 31, 2023 and our other filings with the U.S. Securities and Exchange Commission (â€œSECâ€).All forward-looking statements contained in this Report only speak as of the date of this Report. We undertake no obligation to publicly update or revise any forward-looking statements to reflect events or circumstances that occur after the date of this Report, or to reflect the occurrence of unanticipated events, except to the extent required by law.Information About UsInvestors should note that we make available, free of charge on our website at www.CVREnergy.com, our annual reports on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K, and any amendments to those reports as soon as reasonably practicable after we electronically file such material with, or furnish it to, the SEC. We also post announcements, updates, events, investor information and presentations on our website in addition to copies of all recent news releases. We may use the Investor Relations section of our website to communicate with investors. It is possible that the financial and other information posted there could be deemed to be material information. Documents and information on our website are not incorporated by reference herein.The SEC maintains a website at www.sec.gov that contains reports, proxy and information statements, and other information regarding issuers, including us, that file electronically with the SEC.June 30, 2024 | 5Table of ContentsPARTÂ I. FINANCIAL INFORMATIONItemÂ 1.Â Â Financial Statements CVR ENERGY, INC. AND SUBSIDIARIESCONDENSED CONSOLIDATED BALANCE SHEETS(unaudited)(in millions)June 30, 2024December 31, 2023ASSETSCurrent assets:Cash and cash equivalents (including $48 and $45, respectively, of consolidated variable interest entity (â€œVIEâ€))$586Â $581Â Reserved funds for debt paymentâ€”Â 598Â Accounts receivable, net (including $48 and $42, respectively, of VIE)298Â 286Â Inventories (including $81 and $69, respectively, of VIE)543Â 604Â Prepaid expenses (including $6 and $8, respectively, of VIE)36Â 59Â Other current assets (including $1 and $1, respectively, of VIE)29Â 51Â Total current assets 1,492Â 2,179Â Property, plant, and equipment, net (including $728 and $761, respectively, of VIE)2,192Â 2,221Â Other long-term assets (including $48 and $48, respectively, of VIE)319Â 307Â Total assets $4,003Â $4,707Â LIABILITIES AND EQUITYCurrent liabilities:Current portion of long-term debt and finance lease obligations$8Â $606Â Accounts payable (including $30 and $39, respectively, of VIE)523Â 530Â Other current liabilities (including $29 and $37, respectively, of VIE)491Â 546Â Total current liabilities 1,022Â 1,682Â Long-term liabilities:Long-term debt and finance lease obligations, net of current portion (including $548 and $547, respectively, of VIE)1,576Â 1,579Â Deferred income taxes278Â 327Â Other long-term liabilities (including $49 and $50, respectively, of VIE)86Â 81Â Total long-term liabilities 1,940Â 1,987Â Commitments and contingencies (See Note 13)CVR Energy stockholdersâ€™ equity:Common stock, $0.01 par value per share; 350,000,000 shares authorized; 100,629,209 and 100,629,209 shares issued as of June 30, 2024 and December 31, 2023, respectively1Â 1Â Additional paid-in-capital 1,508Â 1,508Â Accumulated deficit(658)(660)Treasury stock, 98,610 shares at cost(2)(2)Total CVR stockholdersâ€™ equity 849Â 847Â Noncontrolling interest 192Â 191Â Total equity 1,041Â 1,038Â Total liabilities and equity $4,003Â $4,707Â The accompanying notes are an integral part of these condensed consolidated financial statements.June 30, 2024 | 6Table of ContentsCVR ENERGY, INC. AND SUBSIDIARIESCONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS(unaudited) Three Months EndedJune 30,Six Months EndedJune 30,(in millions, except per share data)2024202320242023Net sales$1,967Â $2,236Â $3,829Â $4,523Â Operating costs and expenses:Cost of materials and other1,667Â 1,743Â 3,130Â 3,423Â Direct operating expenses (exclusive of depreciation and amortization)173Â 165Â 337Â 334Â Depreciation and amortization70Â 71Â 145Â 137Â Cost of sales1,910Â 1,979Â 3,612Â 3,894Â Selling, general and administrative expenses (exclusive of depreciation and amortization)28Â 32Â 63Â 71Â Depreciation and amortization2Â 1Â 4Â 4Â Loss on asset disposalâ€”Â â€”Â 1Â â€”Â Operating income27Â 224Â 149Â 554Â Other (expense) income:Interest expense, net(19)(16)(39)(32)Other income, net4Â 4Â 8Â 6Â Income before income tax expense12Â 212Â 118Â 528Â Income tax (benefit) expense(26)44Â (10)101Â Net income38Â 168Â 128Â 427Â Less: Net income attributable to noncontrolling interest17Â 38Â 25Â 102Â Net income attributable to CVR Energy stockholders$21Â $130Â $103Â $325Â Basic and diluted earnings per share$0.21Â $1.29Â $1.02Â $3.23Â Weighted-average common shares outstanding:Basic and diluted100.5Â 100.5Â 100.5Â 100.5Â The accompanying notes are an integral part of these condensed consolidated financial statements.June 30, 2024 | 7Table of ContentsCVR ENERGY, INC. AND SUBSIDIARIESCONDENSED CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY (unaudited)Common Stockholders(in millions, except share data)SharesIssued$0.01 ParValueCommonStockAdditionalPaid-InCapitalAccumulated DeficitTreasuryStockTotal CVRStockholdersâ€™EquityNoncontrollingInterestTotalEquityBalance at December 31, 2023100,629,209Â $1Â $1,508Â (660)(2)$847Â $191Â $1,038Â Net incomeâ€”Â â€”Â â€”Â 82Â â€”Â 82Â 8Â 90Â Dividends paid to CVR Energy stockholdersâ€”Â â€”Â â€”Â (50)â€”Â (50)â€”Â (50)Distributions from CVR Partners to its public unitholdersâ€”Â â€”Â â€”Â â€”Â â€”Â â€”Â (11)(11)Balance at March 31, 2024100,629,209Â 1Â 1,508Â (628)(2)879Â 188Â 1,067Â Net incomeâ€”Â â€”Â â€”Â 21Â â€”Â 21Â 17Â 38Â Dividends paid to CVR Energy stockholdersâ€”Â â€”Â â€”Â (50)â€”Â (50)â€”Â (50)Distributions from CVR Partners to its public unitholdersâ€”Â â€”Â â€”Â â€”Â â€”Â â€”Â (13) (13)Otherâ€”Â â€”Â â€”Â (1)â€”Â (1)â€”Â (1)Balance at June 30, 2024100,629,209Â $1Â $1,508Â $(658)(2)$849Â $192Â $1,041Â Common Stockholders(in millions, except share data)SharesIssued$0.01 ParValueCommonStockAdditionalPaid-InCapitalAccumulated DeficitTreasuryStockTotal CVRStockholdersâ€™EquityNoncontrollingInterestTotalEquityBalance at December 31, 2022100,629,209Â $1Â $1,508Â (976)(2)$531Â $260Â $791Â Net incomeâ€”Â â€”Â â€”Â 195Â â€”Â 195Â 64Â 259Â Dividends paid to CVR Energy stockholdersâ€”Â â€”Â â€”Â (50)â€”Â (50)â€”Â (50)Distributions from CVR Partners to its public unitholdersâ€”Â â€”Â â€”Â â€”Â â€”Â â€”Â (70) (70)Â Otherâ€”Â â€”Â â€”Â (1)â€”Â (1)â€”Â (1)Balance at March 31, 2023100,629,209Â 1Â 1,508Â (832)(2)675Â 254Â 929Â Net incomeâ€”Â â€”Â â€”Â 130Â â€”Â 130Â 38Â 168Â Dividends paid to CVR Energy stockholdersâ€”Â â€”Â â€”Â (50)â€”Â (50)â€”Â (50)Distributions from CVR Partners to its public unitholdersâ€”Â â€”Â â€”Â â€”Â â€”Â â€”Â (70)(70)Balance at June 30, 2023100,629,209Â $1Â $1,508Â (752)(2)$755Â $222Â $977Â The accompanying notes are an integral part of these condensed consolidated financial statements.June 30, 2024 | 8Table of ContentsCVR ENERGY, INC. AND SUBSIDIARIESCONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (unaudited)Six Months Ended June 30,(in millions)20242023Cash flows from operating activities:Net income$128Â $427Â Adjustments to reconcile net income to net cash provided by operating activities:Depreciation and amortization149Â 141Â Deferred income taxes(48)28Â Loss on asset disposal1Â â€”Â Share-based compensation10Â 15Â Unrealized loss (gain) on derivatives, net7Â (13)Income from equity method investments(7)(5)Return from equity method investment earnings7Â 5Â Other items2Â 1Â Changes in assets and liabilities:Current assets and liabilities10Â 21Â Other long-term assets and liabilities(1)(6)Net cash provided by operating activities258Â 614Â Cash flows from investing activities:Capital expenditures(90)(100)Turnaround expenditures(44)(50)Return of equity method investment4Â 20Â Proceeds from sale of assets1Â â€”Â Net cash used in investing activities(129)(130)Cash flows from financing activities:Principal payments on senior secured notes(600)â€”Â Dividends to CVR Energyâ€™s stockholders(101)(101)Distributions to CVR Partnersâ€™ noncontrolling interest holders(24)(140)Other financing activities(4)(2)Net cash used in financing activities(729)(243)Net (decrease) increase in cash, cash equivalents, reserved funds and restricted cash(600)241Â Cash, cash equivalents, reserved funds and restricted cash, beginning of period1,186Â 517Â Cash, cash equivalents and restricted cash, end of period$586Â $758Â The accompanying notes are an integral part of these condensed consolidated financial statements.June 30, 2024 | 9Table of ContentsCVR ENERGY, INC. AND SUBSIDIARIESNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS(unaudited)(1) Organization and Nature of Business OrganizationCVR Energy, Inc. (â€œCVR Energyâ€, â€œCVRâ€, â€œweâ€, â€œusâ€, â€œourâ€, or the â€œCompanyâ€) is a diversified holding company primarily engaged in the petroleum refining and marketing industry (the â€œPetroleum Segmentâ€) and the nitrogen fertilizer manufacturing industry through its interest in CVR Partners, LP, a publicly traded limited partnership (the â€œNitrogen Fertilizer Segmentâ€ or â€œCVR Partnersâ€). The Petroleum Segment refines and markets high value transportation fuels primarily in the form of gasoline and diesel fuels. CVR Partners produces and markets nitrogen fertilizers primarily in the form of urea ammonium nitrate (â€œUANâ€) and ammonia. We also produce and market renewable diesel. CVRâ€™s common stock is listed on the New York Stock Exchange (â€œNYSEâ€) under the symbol â€œCVIâ€. Icahn Enterprises L.P. and its affiliates (â€œIEPâ€) owned approximately 66% of the Companyâ€™s outstanding common stock as of June 30, 2024. CVR Partners, LPInterest Holders - As of June 30, 2024, public common unitholders held approximately 63% of CVR Partnersâ€™ outstanding common units and CVR Services, LLC (â€œCVR Servicesâ€), a wholly owned subsidiary of CVR Energy, held the remaining approximately 37% of CVR Partnersâ€™ outstanding common units. In addition, CVR Services held 100% of the interest in CVR Partnersâ€™ general partner, CVR GP, LLC, which held a non-economic general partner interest in CVR Partners as of June 30, 2024. The noncontrolling interest reflected on the Condensed Consolidated Balance Sheets of CVR is only impacted by the results of and distributions from CVR Partners.Subsequent EventsThe Company evaluated subsequent events, if any, that would require an adjustment to the Companyâ€™s condensed consolidated financial statements or require disclosure in the notes to the condensed consolidated financial statements through the date of issuance of the condensed consolidated financial statements. Where applicable, the notes to these condensed consolidated financial statements have been updated to discuss all significant subsequent events which have occurred.(2) Basis of Presentation The accompanying condensed consolidated financial statements, prepared in accordance with accounting principles generally accepted in the United States of America (â€œGAAPâ€) and in accordance with the rules and regulations of the Securities and Exchange Commission (â€œSECâ€), include the accounts of the Company and its majority-owned direct and indirect subsidiaries. All intercompany accounts and transactions have been eliminated. Certain notes and other information have been condensed or omitted from the condensed consolidated financial statements. Therefore, these condensed consolidated financial statements should be read in conjunction with the December 31, 2023 audited consolidated financial statements and notes thereto included in CVR Energyâ€™s Annual Report on Form 10-K for the year ended December 31, 2023 (the â€œ2023 Form 10-Kâ€).Our condensed consolidated financial statements include the consolidated results of CVR Partners, which is defined as a variable interest entity (â€œVIEâ€). As the 100% owner of the general partner of CVR Partners, the Company has the sole ability to direct the activities that most significantly impact the economic performance of CVR Partners and is considered the primary beneficiary.In the opinion of the Companyâ€™s management, the accompanying condensed consolidated financial statements reflect all adjustments that are necessary for fair presentation of the financial position and results of operations of the Company for the periods presented. Such adjustments are of a normal recurring nature, unless otherwise disclosed. The condensed consolidated financial statements are prepared in conformity with GAAP, which requires management to make certain estimates and assumptions that affect the reported amounts and disclosure of assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates. Results of operations and cash flows for the interim periods presented are not necessarily indicative of the results that will be realized for the year ending December 31, 2024 or any other interim or annual period.June 30, 2024 | 10Table of ContentsCVR ENERGY, INC. AND SUBSIDIARIESNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (Continued)(unaudited)Recent Accounting Pronouncements - Accounting Standards Issued But Not Yet ImplementedIn December 2023, the Financial Accounting Standards Board (â€œFASBâ€) issued Accounting Standard Update (â€œASUâ€) 2023-09, Income Taxes (Topic 740) - Improvements to Income Tax Disclosures, which requires enhanced income tax disclosures that reflect how operations and related tax risks, as well as how tax planning and operational opportunities, affect the tax rate and prospects for future cash flows. This standard is effective for the Companyâ€™s annual period beginning January 1, 2025 with early adoption permitted. The Company is evaluating the effects of adopting this new accounting guidance on its disclosures but does not currently expect adoption will have a material impact on the Companyâ€™s consolidated financial statements. The Company does not intend to early adopt this ASU.In November 2023, FASB issued ASU 2023-07, Segment Reporting (Topic 280) - Improvements to Reportable Segment Disclosures, which includes requirements for more robust disclosures of significant segment expenses and measures of a segmentâ€™s profit and loss used in assessing performance. This standard is effective for the Companyâ€™s annual period beginning January 1, 2024 and interim periods beginning January 1, 2025 and should be applied retrospectively to all comparative periods. Early adoption is permitted. While the Company continues to evaluate the effects of adopting this new accounting guidance, it currently expects additional disclosures will be included for its annual and interim reporting periods beginning December 31, 2024.(3) Inventories Inventories consisted of the following:(in millions)June 30, 2024December 31, 2023Finished goods$249Â $260Â Raw materials158Â 226Â In-process inventories34Â 21Â Parts, supplies and other102Â 97Â Total inventories$543Â $604Â (4) Property, Plant, and EquipmentProperty, plant, and equipment consisted of the following:(in millions)June 30, 2024December 31, 2023Machinery and equipment $4,404Â $4,287Â Buildings and improvements143Â 124Â ROU finance leases81Â 81Â Land and improvements74Â 74Â Furniture and fixtures30Â 33Â Construction in progress136Â 193Â Other16Â 15Â 4,884Â 4,807Â Less: Accumulated depreciation and amortization(2,692)(2,586)Total property, plant, and equipment, net$2,192Â $2,221Â For the three and six months ended June 30, 2024, depreciation and amortization expense related to property, plant, and equipment was $58 million and $114 million, respectively, compared to $55 million and $105 million for the three and six months ended June 30, 2023, respectively. For the three and six months ended June 30, 2024, capitalized interest was $2Â million and $3 million, respectively, compared to $2 million and $4 million for the three and six months ended June 30, 2023, respectively.June 30, 2024 | 11Table of ContentsCVR ENERGY, INC. AND SUBSIDIARIESNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (Continued)(unaudited)During the six months ended June 30, 2024, the Company did not identify the existence of an impairment indicator for our long-lived asset groups as outlined under the FASB Accounting Standards Codification (â€œASCâ€) Topic 360, Property, Plant, and Equipment.(5) Equity Method InvestmentsWe have variable interest in certain entities for which we have applied the VIE model under FASB ASC Topic 810, Consolidation and determined that these entities are variable interest entities. While we concluded we are not the primary beneficiary of these entities, we do have significant influence over their operating and financial policies and, therefore, applied the equity method of accounting for the respective investments. These investments are presented within Other long-term assets on our condensed consolidated financial statements:â€¢CVR-CapturePoint Parent, LLC (â€œCVRP JVâ€) - As part of a series of agreements entered into by our subsidiaries with unaffiliated parties with the objective to monetize certain tax credits under Section 45Q of the Internal Revenue Code of 1986 (â€œ45Q Transactionâ€), we received a 50% interest in CVRP JV in connection with a modification to a carbon oxide contract (â€œCO Contractâ€) with a customer. â€¢Enable South Central Pipeline, LLC (â€œEnable JVâ€) - Through our subsidiaries, we own a 40% interest in Enable JV, which operates a 12-inch 26-mile crude oil pipeline with a capacity of approximately 80,000 barrels per day that is connected to the Wynnewood Refinery. The remaining interest in Enable JV is owned by Energy Transfer LP.â€¢Midway Pipeline, LLC (â€œMidway JVâ€) - Through our subsidiaries, we own a 50% interest in Midway JV, which operates a 16-inch 99-mile crude oil pipeline with a capacity of approximately 131,000 barrels per day which connects the Coffeyville Refinery to the Cushing, Oklahoma oil hub. The remaining interest in Midway JV is owned by Plains Pipeline, L.P.(in millions)CVRP JVEnable JVMidway JVTotalBalance at December 31, 2023$25Â $5Â $70Â $100Â Cash distributions (1)(3)(1)(2)(6)Equity incomeâ€”Â 1Â 3Â 4Â Balance at March 31, 202422Â 5Â 71Â 98Â Cash distributions(1)(1)(3)(5)Equity incomeâ€”Â 1Â 2Â 3Â Balance at June 30, 2024$21Â $5Â $70Â $96Â (1)Includes a $2Â million distribution to CVR Partners subsidiaries related to CVRP JV exceeding certain carbon oxide capture and sequestration milestones during 2023.(6) Leases Balance Sheet Summary as of June 30, 2024 and December 31, 2023The following tables summarize the right-of-use (â€œROUâ€) asset and lease liability balances for the Companyâ€™s operating and finance leases at June 30, 2024 and December 31, 2023:June 30, 2024December 31, 2023(in millions)Operating LeasesFinance LeasesOperating LeasesFinance LeasesROU assets, netPipelines and storage$10Â $16Â $12Â $17Â Railcars15Â â€”Â 12Â â€”Â Real estate and other32Â 12Â 29Â 14Â Lease liabilityPipelines and storage9Â 27Â 12Â 28Â Railcars15Â â€”Â 12Â â€”Â Real estate and other30Â 14Â 25Â 16Â June 30, 2024 | 12Table of ContentsCVR ENERGY, INC. AND SUBSIDIARIESNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (Continued)(unaudited)Lease Expense Summary for the Three and Six Months Ended June 30, 2024 and 2023We recognize operating lease expense on a straight-line basis over the lease term within Direct operating expenses (exclusive of depreciation and amortization) and Cost of materials and other and finance lease expense on a straight-line basis over the lease term within Depreciation and amortization. For the three and six months ended June 30, 2024 and 2023, we recognized lease expense comprised of the following components:Three Months EndedJune 30,Six Months EndedJune 30,(in millions)2024202320242023Operating lease expense$5Â $5Â $9Â $9Â Finance lease expense:Amortization of ROU asset2Â 2Â 3Â 3Â Interest expense on lease liability1Â 1Â 2Â 2Â Short-term lease expense3Â 2Â 6Â 5Â The Company has entered into the following material lease commitments that have not yet commenced:â€¢Coffeyville Resources Nitrogen Fertilizer, LLC (â€œCRNFâ€), a subsidiary of CVR Partners, is party to an On-Site Product Supply Agreement with Messer LLC. Based on terms outlined in this agreement, the Company expects the lease to be classified as a finance lease with an estimated $20Â million to $25Â million being capitalized upon lease commencement when the item is placed in service, which is currently expected to occur in the second half of 2024. Refer to Part II, Item 8, Note 6 (â€œLeasesâ€) of our 2023 Form 10-K for further information.(7) Other Current LiabilitiesOther current liabilities were as follows:(in millions)June 30, 2024December 31, 2023Accrued Renewable Fuel Standard (â€œRFSâ€) obligation$312Â $329Â Accrued taxes other than income taxes48Â 47Â Personnel accruals34Â 51Â Accrued interest32Â 26Â Share-based compensation19Â 13Â Operating lease liabilities15Â 14Â Accrued income taxes8Â 25Â Deferred revenue8Â 16Â Derivatives2Â â€”Â Other accrued expenses and liabilities13Â 25Â Total other current liabilities$491Â $546Â June 30, 2024 | 13Table of ContentsCVR ENERGY, INC. AND SUBSIDIARIESNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (Continued)(unaudited)(8) Long-Term Debt and Finance Lease Obligations Long-term debt and finance lease obligations consisted of the following:(in millions)June 30, 2024December 31, 2023CVR Energy:5.75% Senior Notes, due February 2028$400Â $400Â 8.50% Senior Notes, due January 2029600Â 600Â Unamortized debt issuance costs(5)(5)Total CVR Energy debt995Â 995Â Petroleum Segment:Finance lease obligations, net of current portion33Â 37Â Total Petroleum Segment finance lease obligations, net of current portion33Â 37Â Nitrogen Fertilizer Segment:6.125% Senior Secured Notes, due June 2028550Â 550Â Unamortized debt issuance costs(2)(3)Total Nitrogen Fertilizer Segment debt548Â 547Â Total long-term debt and finance lease obligations, net of current portion1,576Â 1,579Â Current portion of long-term debt and finance lease obligations8Â 606Â Total long-term debt and finance lease obligations, including current portion$1,584Â $2,185Â Credit Agreements(in millions)Total Available Borrowing CapacityAmount Borrowed as of June 30, 2024Outstanding Letters of CreditAvailable Capacity as of June 30, 2024Maturity DateCVR Energy:CVR Energyâ€™s Amended and Restated ABL Credit Agreement (â€œCVR Energy ABLâ€)$275Â $â€”Â $24Â $251Â June 30, 2027Nitrogen Fertilizer Segment:CVR Partnersâ€™ Credit Agreement (â€œCVR Partners ABLâ€)$50Â $â€”Â $â€”Â $50Â September 26, 2028CVR Energy2029 Notes - On December 21, 2023, CVR Energy completed the issuance of $600Â million in aggregate principal amount of 8.50% Senior Notes, due 2029 (the â€œ2029 Notesâ€). Interest on the 2029 Notes is payable semi-annually in arrears on February 15 and August 15 each year, commencing on February 15, 2024. The 2029 Notes mature on January 15, 2029, unless earlier redeemed or purchased. See Part II, Item 8 of the 2023 Form 10-K for further details of the 2029 Notes.In relation to the issuance of the 2029 Notes, the Company received $598Â million of net cash proceeds, net of underwriting fees and certain other third-party fees and expenses associated with the offering. These proceeds were reserved for the payment of the Companyâ€™s 5.25% Senior Notes, due 2025 (the â€œ2025 Notesâ€) on February 15, 2024, and were presented in Reserved funds for debt payment on our Condensed Consolidated Balance Sheet as of December 31, 2023. 2025 Notes - On December 21, 2023, the Company delivered a notice of redemption to the holders of its 2025 Notes that all outstanding amounts of the 2025 Notes, plus any accrued and unpaid interest to the redemption date, would be redeemed on February 15, 2024. As such, the outstanding balance of the $600 million principal amount of the 2025 Notes was classified as short-term as of December 31, 2023. On February 15, 2024, CVR Energy redeemed all of the outstanding 2025 Notes, at par, and settled accrued interest of approximately $16Â million through the date of redemption. As a result of this transaction, the June 30, 2024 | 14Table of ContentsCVR ENERGY, INC. AND SUBSIDIARIESNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (Continued)(unaudited)Company recognized in Interest expense, net a $1Â million loss on extinguishment of debt on our Condensed Consolidated Statements of Operations for the three months ended March 31, 2024, which consisted of the write-off of unamortized deferred financing costs. Covenant ComplianceThe Company and its subsidiaries were in compliance with all covenants under their respective debt instruments as of June 30, 2024.(9) RevenueThe following tables present the Companyâ€™s revenue disaggregated by major product, which include a reconciliation of the disaggregated revenue by the Companyâ€™s reportable segments:Three Months Ended June 30,20242023(in millions)Petroleum Segment (1)Nitrogen Fertilizer SegmentOther / EliminationConsolidatedPetroleum Segment (1)Nitrogen Fertilizer SegmentOther / EliminationConsolidatedGasoline$944Â $â€”Â $â€”Â $944Â $1,092Â $â€”Â $â€”Â $1,092Â Distillates (2)735Â â€”Â 26Â 761Â 830Â â€”Â 35Â 865Â Ammoniaâ€”Â 22Â â€”Â 22Â â€”Â 56Â â€”Â 56Â UANâ€”Â 89Â â€”Â 89Â â€”Â 104Â â€”Â 104Â Urea productsâ€”Â 8Â â€”Â 8Â â€”Â 7Â â€”Â 7Â Freight revenue (3)5Â 9Â â€”Â 14Â 5Â 11Â â€”Â 16Â Other products (4)39Â 5Â 13Â 57Â 48Â 5Â 18Â 71Â Revenue from product sales1,723Â 133Â 39Â 1,895Â 1,975Â 183Â 53Â 2,211Â Crude oil sales72Â â€”Â â€”Â 72Â 24Â â€”Â â€”Â 24Â Other revenueâ€”Â â€”Â â€”Â â€”Â 1Â â€”Â â€”Â 1Â Total revenue$1,795Â $133Â $39Â $1,967Â $2,000Â $183Â $53Â $2,236Â Six Months Ended June 30,20242023(in millions)Petroleum Segment (1)Nitrogen Fertilizer SegmentOther / EliminationConsolidatedPetroleum Segment (1)Nitrogen Fertilizer SegmentOther / EliminationConsolidatedGasoline$1,831Â $â€”Â $â€”Â $1,831Â $2,102Â $â€”Â $â€”Â $2,102Â Distillates (2)1,502Â â€”Â 36Â 1,538Â 1,749Â â€”Â 83Â 1,832Â Ammoniaâ€”Â 59Â â€”Â 59Â â€”Â 94Â â€”Â 94Â UANâ€”Â 164Â â€”Â 164Â â€”Â 268Â â€”Â 268Â Urea productsâ€”Â 14Â â€”Â 14Â â€”Â 15Â â€”Â 15Â Freight revenue (3)9Â 16Â â€”Â 25Â 8Â 22Â â€”Â 30Â Other products (4)88Â 8Â 15Â 111Â 81Â 10Â 38Â 129Â Â Revenue from product sales3,430Â 261Â 51Â 3,742Â 3,940Â 409Â 121Â 4,470Â Crude oil sales86Â â€”Â â€”Â 86Â 52Â â€”Â â€”Â 52Â Other revenue1Â â€”Â â€”Â 1Â 1Â â€”Â â€”Â 1Â Total revenue$3,517Â $261Â $51Â $3,829Â $3,993Â $409Â $121Â $4,523Â (1)The Petroleum Segment may incur broker commissions or transportation costs in connection with certain sales. The broker costs are expensed since the contract durations are less than one year. Transportation costs are accounted for as fulfillment costs and are expensed as incurred.June 30, 2024 | 15Table of ContentsCVR ENERGY, INC. AND SUBSIDIARIESNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (Continued)(unaudited)(2)Distillates consist primarily of diesel fuel, kerosene, jet fuel, and renewable fuels.(3)Freight revenue recognized by the Petroleum Segment is primarily tariff and line loss charges rebilled to customers to reimburse the Petroleum Segment for expenses incurred from a pipeline operator. Freight revenue recognized by the Nitrogen Fertilizer Segment represents the pass-through finished goods delivery costs incurred prior to customer acceptance and are reimbursed by customers. An offsetting expense for freight is included in Cost of materials and other.(4)Other products for the Petroleum Segment consists primarily of (i) feedstock, heavy oils, and liquified petroleum gas sales, (ii) sulfur credits, and (iii) pipeline and processing fees. For the Nitrogen Fertilizer Segment, other products consists of sales of (i) nitric acid and (ii) carbon oxide, including sales made in connection with the 45Q Transaction and the noncash consideration received, which is recognized as the performance obligation associated with the CO Contract is satisfied over its term through April 2030. Revenue from the CO Contract is recognized over time based on carbon oxide volumes measured at delivery. The Other/Elimination columns include certain credits related to renewable fuel activity and eliminations of intercompany transactions.Remaining Performance ObligationsWe have spot and term contracts with customers and the transaction prices are either fixed or based on market indices (variable consideration). We do not disclose remaining performance obligations for contracts that have terms of one year or less and for contracts where the variable consideration was entirely allocated to an unsatisfied performance obligation. As of June 30, 2024, these contracts have a remaining duration of less than three years.As of June 30, 2024, the Nitrogen Fertilizer Segment had approximately $32 million of remaining performance obligations for contracts with an original expected duration of more than one year. The Nitrogen Fertilizer Segment expects to recognize $8Â million of these performance obligations as revenue by the end of 2024, $11 million during 2025, an additional $10Â million in 2026, and the remaining balance in 2027.Contract BalancesThe following table provides the balance sheet location and amounts of deferred revenue from contracts with customers for the Nitrogen Fertilizer Segment:Contract Balance TypeBalance Sheet LocationJune 30, 2024December 31, 2023Deferred revenueOther current liabilities$8Â $16Â Long-term deferred revenueOther long-term liabilities30Â 33Â During the six months ended June 30, 2024 and 2023, the Company recognized revenue of $13 million and $46 million, respectively, that was included in the deferred revenue balances as of December 31, 2023 and December 31, 2022, respectively.(10) Derivative Financial InstrumentsThe following outlines the net notional buy (sell) position of our commodity derivative instruments held as of June 30, 2024 and December 31, 2023:(in thousands of barrels)CommodityJune 30, 2024December 31, 2023ForwardsCrude274Â 247Â SwapsNYMEX Diesel Cracks (1)â€”Â (6,780)SwapsNYMEX RBOB Cracksâ€”Â (1,275)SwapsNYMEX 2-1-1 Cracksâ€”Â (3,030)FuturesCrude(50)â€”Â (1)As of June 30, 2024, the Company held offsetting NYMEX Diesel Crack commodity buy and sell positions of approximately 5Â million barrels.The following outlines the balances of our commodity derivative instruments after the effects of contract netting and allocation of collateral and their classifications on our Condensed Consolidated Balance Sheets. Refer to Note 11 (â€œFair Value June 30, 2024 | 16Table of ContentsCVR ENERGY, INC. AND SUBSIDIARIESNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (Continued)(unaudited)Measurementsâ€) for the gross amounts of the commodity derivative instruments (before the effects of contract netting and allocation of collateral):June 30, 2024December 31, 2023(in millions)AssetsLiabilitiesAssetsLiabilitiesOther current assets$19Â $â€”Â $24Â $â€”Â Other long-term assets2Â â€”Â 1Â â€”Â Other current liabilitiesâ€”Â 2Â â€”Â â€”Â The following table represents CVR Energyâ€™s incurred realized and unrealized net gains (losses) from derivative activities, recorded in Cost of materials and other on the Condensed Consolidated Statements of Operations:Three Months EndedJune 30,Six Months EndedJune 30,(in millions)2024202320242023Commodity derivative instruments$23Â (4)5Â $41Â CVR Energy has certain derivative instruments that contain credit risk-related contingent provisions associated with our credit ratings. If our credit rating were to be downgraded, it would allow the counterparty to require us to post collateral or to request immediate, full settlement of derivative instruments in liability positions. As of June 30, 2024, the aggregate fair value of our derivative liabilities with credit risk-related contingent provisions was $2Â million, for which no collateral has been posted. (11) Fair Value MeasurementsAssets and liabilities measured at fair value on a recurring basisThe following tables set forth information about the assets and liabilities measured at fair value on a recurring basis, by input level, as of June 30, 2024 and December 31, 2023. Such amounts are presented on a gross basis, before the effects of netting and allocation of collateral. The Company elected to offset the fair value amounts recognized for derivative assets and liabilities executed with the same counterparty under a master netting arrangement, including fair value amounts recognized for the right to reclaim or the obligation to return cash collateral.June 30, 2024Fair Value HierarchyTotal gross fair valueContract nettingCollateral netting (1)Net value(in millions)Level 1Level 2Level 3AssetsCommodity derivative instruments$â€”Â $25Â $â€”Â $25Â (5)â€”Â $20Â LiabilitiesCommodity derivative instrumentsâ€”Â 7Â â€”7Â (5)â€”Â 2Â RFSâ€”Â 312Â â€”312Â â€”Â â€”Â 312Â December 31, 2023Fair Value HierarchyTotal gross fair valueContract nettingCollateral netting (1)Net value(in millions)Level 1Level 2Level 3AssetsCommodity derivative instruments$â€”Â $31Â $â€”Â $31Â (6)â€”Â $25Â LiabilitiesCommodity derivative instrumentsâ€”Â 6Â â€”6Â (6)â€”Â â€”Â RFSâ€”Â 329Â â€”329Â â€”Â â€”Â 329Â (1)At June 30, 2024 and December 31, 2023, the Company had $5Â million and $13Â million of collateral under master netting arrangements not offset against the derivatives within Other current assets on the Condensed Consolidated Balance Sheets, respectively, primarily related to initial margin requirements. June 30, 2024 | 17Table of ContentsCVR ENERGY, INC. AND SUBSIDIARIESNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (Continued) (unaudited)The Petroleum Segmentâ€™s commodity derivative contracts consist of exchange traded futures, commodity price swaps, and sale and purchase forwards that are measured at fair value using a market approach based on available broker quoted market prices of identical or similar instruments. Similarly, RFS obligations are measured at fair value using a market approach based on available broker quoted market RIN spot prices for each specific or closest vintage year.The Company had no transfers of assets or liabilities between any of the above levels during the six months ended June 30, 2024 and year ended December 31, 2023.Assets and liabilities measured at fair value on a nonrecurring basisCVR Partners performed a nonrecurring fair value measurement of the equity interest received as part of the 45Q Transaction in January 2023. Such valuation used a combination of the market approach and the discounted cash flow methodology with key inputs including the discount rate, contractual and expected future cash flows, and market multiples. In January 2023, CVR Partners determined the estimated fair value of the consideration received to be $46 million, which is a non-recurring Level 3 measurement, as defined by FASB ASC Topic 820, Fair Value Measurements, based on the use of CVR Partnersâ€™ own assumptions described above. There are no other assets or liabilities that were measured at fair value on a nonrecurring basis for the periods presented.Assets and liabilities not required to be measured at fair value CVR Energy holds cash equivalents which consist primarily of bank time deposits with maturities of 90 days or less. Cash and cash equivalents and reserved funds had carrying and fair values of $586 million and $1.2 billion at June 30, 2024 and December 31, 2023, respectively, and are classified as Level 1 in the fair value hierarchy.Long-term debt of $1.5 billion and $2.1 billion at June 30, 2024 and December 31, 2023, respectively, had estimated fair values of $1.5 billion and $2.1 billion, respectively, and are classified as Level 2 in the fair value hierarchy.Other short-term financial assets and liabilities, which consist of restricted cash, accounts receivable, accounts payable, and operating and finance lease obligations, are carried at cost on the Condensed Consolidated Balance Sheets as of June 30, 2024 and December 31, 2023 and approximate their estimated fair values.(12) Share-Based CompensationA summary of compensation expense during the three and six months ended June 30, 2024 and 2023 is presented below:Three Months EndedJune 30,Six Months EndedJune 30,(in millions)2024202320242023CVR Partners - Phantom Unit Awards$1Â $2Â $2Â $4Â Incentive Unit Awardsâ€”Â 4Â 8Â 11Â Total share-based compensation expense$1Â $6Â $10Â $15Â (13) Commitments and Contingencies In the ordinary course of business, the Company may become party to lawsuits, administrative proceedings, and governmental investigations, including environmental, regulatory, and other matters. The outcome of these matters cannot always be predicted accurately, but the Company accrues liabilities for these matters if the Company has determined that it is probable a loss has been incurred and the loss can be reasonably estimated. While it is not possible to predict the outcome of such proceedings, if one or more of them were decided against us, the Company believes there would be no material impact to its consolidated financial statements.Crude Oil Supply AgreementThe Petroleum Segment has a crude oil supply agreement with Gunvor USA LLC (â€œGunvorâ€), which commenced on January 1, 2024 (as amended, the â€œGunvor Crude Oil Supply Agreementâ€), pursuant to which Gunvor supplies the Petroleum Segment with certain crude oil and intermediation logistics helping to reduce the amount of inventory held at certain locations and mitigate crude oil pricing risk. The Gunvor Crude Oil Supply Agreement replaced a similar agreement with a different supplier that expired on December 31, 2023. Volumes contracted under these agreements, as a percentage of the total crude oil purchases (in barrels), were approximately 20% and 19% for the three months ended June 30, 2024 and 2023, respectively, and 21% and 25% for the six months ended June 30, 2024 and 2023, respectively. The Gunvor Crude Oil Supply Agreement, which currently extends through January 31, 2026, is subject to automatic one-year renewals following the expiration of the initial term in the absence of either party providing 180 daysâ€™ notice of termination.As part of the transition of the crude oil supply agreement from Vitol to Gunvor, on December 31, 2023, the Company purchased the final inventory remaining under the crude oil supply agreement with Vitol and sold it to Gunvor on January 1, 2024. The inventory purchased from Vitol was included within Inventories on the Condensed Consolidated Balance Sheets as of December 31, 2023.45Q TransactionUnder the agreements entered into in connection with the 45Q Transaction, the Companyâ€™s indirect subsidiary CRNF is obligated to meet certain minimum quantities of carbon oxide supply each year during the term of the agreement and is subject to fees of up to $15Â million per year (reduced pro rata for partial years) to the unaffiliated third-party investors, subject to an overall $45Â million cap, if these minimum quantities are not delivered. CVR Partners issued a guarantee to the unaffiliated third-party investors and certain of their affiliates involved in the 45Q Transaction of the payment and performance obligations of CRNF and CVRP JV, which include the aforementioned fees. This guarantee has no impacts on the accounting records of CVR Partners unless the parties fail to comply with the terms of the 45Q Transaction contracts.Renewable Fuel StandardCoffeyville Resources Refining & Marketing, LLC (â€œCRRMâ€) and Wynnewood Refining Company, LLC (â€œWRCâ€, and together with CRRM, the â€œobligated-party subsidiariesâ€) are subject to the RFS implemented by the U.S. Environmental Protection Agency (the â€œEPAâ€), which requires obligated parties to either blend renewable fuels into their transportation fuels or purchase renewable fuel credits, known as RINs, in lieu of blending. The Petroleum Segmentâ€™s obligated-party subsidiaries are not able to blend the majority of their transportation fuels with renewable fuels and, unless their RFS obligations are waived or exempted, must either purchase RINs or obtain waiver credits for cellulosic biofuels in order to comply with the RFS. Additionally, the Petroleum Segmentâ€™s obligated-party subsidiaries purchase RINs generated from our renewable diesel operations, whose operating results are not included in either of our reportable segments, to partially satisfy their RFS obligations.The Companyâ€™s obligated-party subsidiaries recognized an expense of $30 million and an expense of $48 million for the three months ended June 30, 2024 and 2023, respectively, and a benefit of $21 million and an expense of $37 million for the six months ended June 30, 2024 and 2023, respectively, for their compliance with the RFS (based on the 2020 through 2024 renewable volume obligation (â€œRVOâ€), for the respective periods, excluding the impacts of any exemptions or waivers to which the Companyâ€™s obligated-party subsidiaries may be entitled). The recognized amounts are included within Cost of materials and other in the Condensed Consolidated Statements of Operations and represent costs to comply with the RFS obligation through purchasing of RINs not otherwise reduced by blending of ethanol, biodiesel, or renewable diesel. At each reporting period, to the extent RINs purchased and generated through blending are less than the RFS obligation (excluding the impact of exemptions or waivers to which the Company may be entitled), the remaining position is valued using RIN market prices at period end for each specific or closest vintage year. As of June 30, 2024 and December 31, 2023, the Companyâ€™s obligated-party subsidiariesâ€™ RFS positions were approximately $312 million and $329 million, respectively, and are recorded in Other current liabilities in the Condensed Consolidated Balance Sheets.LitigationCall Option Coverage Case â€“ The lawsuits involving the Company and certain of its affiliates (the â€œCall Defendantsâ€) and the Companyâ€™s primary and excess insurers (the â€œInsurersâ€) relating to insurance coverage for settlement by the Call Defendants of the consolidated lawsuits filed by purported former unitholders of CVR Refining, LP (â€œCVR Refiningâ€) on behalf of themselves and an alleged class of similarly situated unitholders relating to the Companyâ€™s exercise of the call option under the CVR Refining Amended and Restated Agreement of Limited Partnership remain pending. In the lawsuit filed by the Call Defendants against the Insurers alleging breach of contract and breach of the implied covenant of good faith and fair dealing against the Insurers in the Superior Court of the State of Delaware, motion practice continues and the Call Defendantsâ€™ motion to amend their complaint remains pending. Briefing is ongoing in the Call Defendantsâ€™ appeal of summary judgment granted in favor of the Insurers by the 434th Judicial District Court of Fort Bend County, Texas in the Insurerâ€™s separate lawsuit against the Call Defendants seeking determination that the Insurers owe no indemnity coverage for the settlement under policies with coverage limits of $50Â million, with oral argument expected in 2025. While these cases remain pending, the Company does not expect their outcome have a material adverse impact on the Companyâ€™s financial position, results of operations, or cash flows.RFS Disputes â€“ In May 2024, the EPA and certain biofuels groups filed petitions for a writ of certiorari to the Supreme Court of the United States (â€œSCOTUSâ€) seeking review of a decision of a panel of the United States Court of Appeals for the Fifth Circuit (the â€œFifth Circuitâ€) vacating the EPAâ€™s denials of small refinery exemptions (â€œSREsâ€) under the RFS for certain small refineries, including those for WRC for the 2017 to 2021 compliance periods (the â€œ2022 Denialsâ€), finding that such denials, which were based on a new standard announced by the EPA in December 2021 and retroactively applied, were impermissibly retroactive and that the EPAâ€™s interpretation of the SRE provisions was contrary to law and arbitrary and capricious as applied to the Fifth Circuit petitionersâ€™ SRE petitions. WRC expects to file an opposition to these petitions for a writ of certiorari in the third quarter of 2024. Regarding WRCâ€™s SRE petition for the 2022 compliance period which was denied by the EPA in July 2023 largely on the same grounds as the 2022 Denials, WRCâ€™s obligations under the RFS for the 2022 compliance period remain stayed and its lawsuit filed against the EPA relating to such denial remains in abeyance pending the outcome of the lawsuit filed by certain other small refineries against the EPA in the United States District Court for the District of Columbia (the â€œDC Circuitâ€) related to the 2022 Denials. While the DC Circuit held oral argument in April 2024 on this case as well as the case filed by WRC against the EPA for the damages it sustained as a result of the EPAâ€™s late grant of its SRE petition for the 2018 compliance period (which SRE petition was later denied by the EPA in the 2022 Denials), the DC Circuit has yet to rule.In July 2024, WRC filed suit in the United States District Court for the Southern District of Texas seeking, among other relief, a declaration that the Administrator of the EPA violated the CAA by failing to timely rule on WRCâ€™s SRE petition for the 2023 compliance period within 90 days following receipt and compelling the Administrator to rule on WRCâ€™s 2023 SRE petition by an expeditious date certain, which suit remains pending. In May 2024, the DC Circuit rejected challenges by WRC and other parties and upheld the EPAâ€™s final rules issued in June 2022 and June 2023 establishing RVOs for 2020 to 2022.As these matters are in various stages, the Company cannot yet determine at this time the outcomes of these matters. While we intend to prosecute these actions vigorously, if these matters are ultimately concluded in a manner adverse to the Company, they could have a material effect on the Companyâ€™s financial position, results of operations, or cash flows.(14) Business SegmentsCVR Energyâ€™s revenues are primarily derived from the two reportable segments: Petroleum and Nitrogen Fertilizer. The Company evaluates the performance of its segments based primarily on segment operating income (loss) and Earnings Before Interest, Taxes, Depreciation, and Amortization (â€œEBITDAâ€). For the purposes of the business segments disclosure, the Company presents operating income (loss) as it is the most comparable measure to the amounts presented on the Condensed Consolidated Statements of Operations. The other amounts reflect renewable fuels transactions, intercompany eliminations, corporate cash and cash equivalents, income tax activities, and other corporate activities that are not allocated or aggregated to the reportable segments.June 30, 2024 | 18Table of ContentsCVR ENERGY, INC. AND SUBSIDIARIESNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (Continued)(unaudited)The following table summarizes certain operating results and capital expenditures information by segment:Three Months Ended June 30,20242023(in millions)Petroleum SegmentNitrogen Fertilizer SegmentOther / EliminationConsolidatedPetroleum SegmentNitrogen Fertilizer SegmentOther / EliminationConsolidatedNet sales$1,792Â $133Â $42Â $1,967Â $1,995Â $183Â $58Â $2,236Â Inter-segment fees and sales3Â â€”Â (3)â€”Â 5Â â€”Â (5)â€”Â Total sales1,795Â 133Â 39Â 1,967Â 2,000Â 183Â 53Â 2,236Â Operating income (loss)$10Â $34Â (17)27Â $171Â $67Â (14)224Â Interest expense, net(19)(16)Other income, net4Â 4Â Income before income tax expense$12Â $212Â Depreciation and amortization$43Â $20Â $9Â $72Â $45Â $20Â $7Â $72Â Capital expenditures (1)33Â 5Â 3Â 41Â 22Â 6Â 20Â 48Â Six Months Ended June 30,20242023(in millions)Petroleum SegmentNitrogen Fertilizer SegmentOther / EliminationConsolidatedPetroleum SegmentNitrogen Fertilizer SegmentOther / EliminationConsolidatedNet sales$3,510Â $261Â $58Â $3,829Â $3,982Â $409Â $132Â $4,523Â Inter-segment fees and sales7Â â€”Â (7)â€”Â 11Â â€”Â (11)â€”Â Total net sales3,517Â 261Â 51Â 3,829Â 3,993Â 409Â 121Â 4,523Â Operating income (loss)$128Â $54Â (33)149Â $408Â $176Â (30)554Â Interest expense, net(39)(32)Other income, net8Â 6Â Income before income tax expense$118Â $528Â Depreciation and amortization$92Â $39Â $18Â $149Â $91Â $35Â $15Â $141Â Capital expenditures (1)69Â 10Â 13Â 92Â 53Â 10Â 34Â 97Â The following table summarizes total assets by segment:(in millions)June 30, 2024December 31, 2023Petroleum$2,944Â $2,978Â Nitrogen Fertilizer960Â 975Â Other, including intersegment eliminations99Â 754Â Total assets$4,003Â $4,707Â (1)Capital expenditures are shown exclusive of capitalized turnaround expenditures.June 30, 2024 | 19Table of ContentsCVR ENERGY, INC. AND SUBSIDIARIESNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (Continued)(unaudited)(15) Supplemental Cash Flow Information Cash flows related to income taxes, interest, leases, capital expenditures and deferred financing costs included in accounts payable were as follows:Six Months EndedJune 30,(in millions)20242023Supplemental disclosures:Cash paid for income taxes, net of refunds$60Â $39Â Cash paid for interest55Â 48Â Cash paid for amounts included in the measurement of lease liabilities:Operating cash flows from operating leases9Â 9Â Operating cash flows from finance leases2Â 2Â Financing cash flows from finance leases3Â 3Â Noncash investing and financing activities:Change in capital expenditures included in accounts payable (1)2Â (3)Change in turnaround expenditures included in accounts payable(2)1Â (1)Capital expenditures are shown exclusive of capitalized turnaround expenditures.Cash, cash equivalents and restricted cash consisted of the following:(in millions)June 30, 2024December 31, 2023Cash and cash equivalents$586Â $581Â Reserved funds (1)â€”Â 598Â Restricted cash (2)â€”Â 7Â Cash, cash equivalents, reserved funds and restricted cash$586Â $1,186Â (1)Funds reserved for the redemption of the 2025 Notes in February 2024. See Note 8 (â€œLong-Term Debt and Finance Lease Obligationsâ€) for further discussion.(2)Restricted funds were released and paid in February 2024.(16) Related Party TransactionsActivity associated with the Companyâ€™s related party arrangements for the three and six months ended June 30, 2024 and 2023 is summarized below:Three Months EndedJune 30,Six Months EndedJune 30,(in millions)2024202320242023Sales to related parties:CVRP JV CO Contract (1)$1Â $1Â $1Â $2Â Purchases from related parties:Enable Joint Venture Transportation Agreement3Â 3Â 6Â 6Â Midway Joint Venture Agreement (2)7Â 5Â 13Â 10Â Payments:Dividends (3)33Â 36Â 67Â 71Â (1)Sales to related parties, included in Net sales in our Condensed Consolidated Statements of Operations, consists of CO sales to a CVRP JV subsidiary.(2)Purchases from related parties, included in Cost of materials and other in our Condensed Consolidated Statements of Operations, represents reimbursements for crude oil transportation services incurred on the Midway JV through the intermediary purchasing agent.(3)See below for a summary of the dividends paid to IEP during the six months ended June 30, 2024 and year ended December 31, 2023.June 30, 2024 | 20Table of ContentsCVR ENERGY, INC. AND SUBSIDIARIESNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (Continued)(unaudited)Dividends to CVR Energy StockholdersDividends, if any, including the payment, amount and timing thereof, are determined at the discretion of the Board. IEP, through its ownership of the Companyâ€™s common stock, is entitled to receive dividends that are declared and paid by the Company based on the number of shares held at each record date. The following tables present quarterly and special dividends paid to the Companyâ€™s stockholders, including IEP, during 2024 and 2023 (amounts presented in table below may not add to totals presented due to rounding):Quarterly Dividends Paid (in millions)Related PeriodDate PaidQuarterly DividendsPer SharePublic StockholdersIEPTotal2023 - 4th QuarterMarch 11, 2024$0.50Â $17Â $33Â $50Â 2024 - 1st QuarterMay 20, 20240.50Â 17Â 33Â 50Â Total 2024 quarterly dividends$1.00Â $34Â $67Â $101Â Quarterly Dividends Paid (in millions)Related PeriodDate PaidQuarterly DividendsPer SharePublic StockholdersIEPTotal2022 - 4th QuarterMarch 13, 2023$0.50Â $15Â $36Â $50Â 2023 - 1st QuarterMay 22, 20230.50Â 15Â 36Â 50Â 2023 - 2nd QuarterAugust 21, 20230.50Â 15Â 36Â 50Â 2023 - 3rd QuarterNovember 20, 20230.50Â 17Â 33Â 50Â Total 2023 quarterly dividends$2.00Â $61Â $140Â $201Â Special Dividends Paid (in millions)Related PeriodDate PaidSpecial DividendsPer SharePublic StockholdersIEPTotal2023 - 2nd QuarterAugust 21, 2023$1.00Â $29Â $71Â $101Â 2023 - 3rd QuarterNovember 20, 20231.50Â 51Â 100Â 151Â Total 2023 special dividends$2.50Â $80Â $171Â $251Â For the second quarter of 2024, the Company, upon approval by the Board on JulyÂ 29, 2024, declared a cash dividend of $0.50 per share, or $50Â million, which is payable AugustÂ 19, 2024 to shareholders of record as of AugustÂ 12, 2024. Of this amount, IEP will receive $33Â million due to its ownership interest in the Companyâ€™s shares.Distributions to CVR Partnersâ€™ UnitholdersDistributions, if any, including the payment, amount and timing thereof, and UAN GP Boardâ€™s distribution policy, including the definition of available cash, are subject to change at the discretion of the UAN GP Board. The following tables present quarterly distributions paid by CVR Partners to CVR Partnersâ€™ unitholders, including amounts received by the Company, during 2024 and 2023 (amounts presented in tables below may not add to totals presented due to rounding):Quarterly Distributions Paid (in millions)Related PeriodDate PaidQuarterly Distributions Per Common UnitPublicUnitholdersCVR EnergyTotal2023 - 4th QuarterMarch 11, 2024$1.68Â $11Â $7Â $18Â 2024 - 1st QuarterMay 20, 20241.92Â 13Â 7Â 20Â Total 2024 quarterly distributions$3.60Â $24Â $14Â $38Â June 30, 2024 | 21Table of ContentsCVR ENERGY, INC. AND SUBSIDIARIESNOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (Continued)(unaudited)Quarterly Distributions Paid (in millions)Related PeriodDate PaidQuarterly DistributionsÂ Per Common UnitPublic UnitholdersCVR EnergyTotal2022 - 4th QuarterMarch 13, 2023$10.50Â $70Â $41Â $111Â 2023 - 1st QuarterMay 22, 202310.43Â 70Â 41Â 110Â 2023 - 2nd QuarterAugust 21, 20234.14Â 28Â 16Â 44Â 2023 - 3rd QuarterNovember 20, 20231.55Â 10Â 6Â 16Â Total 2023 quarterly distributions$26.62Â $178Â $104Â $281Â For the second quarter of 2024, CVR Partners, upon approval by the UAN GP Board on JulyÂ 29, 2024, declared a distribution of $1.90 per common unit, or $20 million, which is payable AugustÂ 19, 2024 to unitholders of record as of AugustÂ 12, 2024. Of this amount, CVR Energy will receive approximately $7 million, with the remaining amount payable to public unitholders.June 30, 2024 | 22Table of ContentsItemÂ 2.Â Â Managementâ€™s Discussion and Analysis of Financial Condition and Results of OperationsThe following discussion and analysis of our financial condition and results of operations should be read in conjunction with our Annual Report on Form 10-K for the year ended December 31, 2023 filed with the U.S. Securities and Exchange Commission (the â€œSECâ€) on FebruaryÂ 21, 2024 (the â€œ2023 Form 10-Kâ€), and the unaudited condensed consolidated financial statements and related notes and with the statistical information and financial data appearing in this Report. Results of operations for the three and six months ended June 30, 2024 and cash flows for the six months ended June 30, 2024 are not necessarily indicative of results to be attained for any other period. See â€œImportant Information Regarding Forward-Looking Statements.â€ References to â€œCVR Energyâ€, the â€œCompanyâ€, â€œweâ€, â€œusâ€, and â€œourâ€, may refer to consolidated subsidiaries of CVR Energy, including CVR Refining, LP or CVR Partners, LP, as the context may require.Reflected in this discussion and analysis is how management views the Companyâ€™s current financial condition and results of operations, along with key external variables and managementâ€™s actions that may impact the Company. Understanding significant external variables, such as market conditions, weather, and seasonal trends, among others, and management actions taken to manage the Company, address external variables, among others, will increase usersâ€™ understanding of the Company, its financial condition and results of operations. This discussion may contain forward-looking statements that reflect our plans, estimates and beliefs. Our actual results could differ materially from those discussed in the forward-looking statements. Factors that could cause or contribute to such differences include, but are not limited to, those discussed below and elsewhere in this Report.Company OverviewCVR Energy is a diversified holding company primarily engaged in the petroleum refining and marketing industry (the â€œPetroleum Segmentâ€) and the nitrogen fertilizer manufacturing industry through its interest in CVR Partners, LP, a publicly traded limited partnership (the â€œNitrogen Fertilizer Segmentâ€ or â€œCVR Partnersâ€). The Petroleum Segment is an â€œindependent petroleum refinerâ€, in that it does not have crude oil exploration or production operations and is a marketer of high value transportation fuels primarily in the form of gasoline and diesel fuels. CVR Partners produces and markets nitrogen fertilizers primarily in the form of urea ammonium nitrate (â€œUANâ€) and ammonia. CVR Energy also produces and markets renewable diesel. Our renewable diesel operations are not allocated or aggregated to our reportable segments discussed below.We operate under two reportable segments: Petroleum and Nitrogen Fertilizer, which are referred to in this document as our â€œPetroleum Segmentâ€ and our â€œNitrogen Fertilizer Segmentâ€, respectively.Since 2022, we have focused significant efforts on decarbonization initiatives including but not limited to the completion of the renewable diesel unit project at the Wynnewood Refinery, the creation of an Environmental, Social and Governance (â€œESGâ€) committee and the publication of multiple ESG reports. In February 2023, we completed the transfer of various assets to one or more new entities primarily formed in 2022 to, among other purposes, better align our organizational structure with management and financial reporting. We also achieved mechanical completion of the renewable feedstock pretreater project at the Wynnewood Refinery in the fourth quarter of 2023 with the unit becoming operational during the first quarter of 2024. We currently expect to continue to explore options to decarbonize our business in areas with attractive economics, without sole reliance on government subsidies, and in ways intended to support our Mission and Values.Strategy and GoalsThe Company has adopted Mission and Values, which articulate the Companyâ€™s expectations for how it and its employees do business each and every day.Mission and Core ValuesOur Mission is to be a top tier North American renewable fuels, petroleum refining, and nitrogen-based fertilizer company as measured by safe and reliable operations, superior performance and profitable growth. The foundation of how we operate is built on five core Values:â€¢Safety - We always put safety first. The protection of our employees, contractors and communities is paramount. We have an unwavering commitment to safety above all else. If itâ€™s not safe, then we donâ€™t do it.June 30, 2024 | 23Table of Contentsâ€¢Environment - We care for our environment. Complying with all regulations and minimizing any environmental impact from our operations is essential. We understand our obligation to the environment and that itâ€™s our duty to protect it.â€¢Integrity - We require high business ethics. We comply with the law and practice sound corporate governance. We only conduct business one wayâ€”the right way with integrity.â€¢Corporate Citizenship - We are proud members of the communities where we operate. We are good neighbors and know that itâ€™s a privilege we canâ€™t take for granted. We seek to make a positive economic and social impact through our financial donations and the contributions of time, knowledge and talent of our employees to the places where we live and work.â€¢Continuous Improvement - We believe in both individual and team success. We foster accountability under a performance-driven culture that supports creative thinking, teamwork, diversity and personal development so that employees can realize their maximum potential. We use defined work practices for consistency, efficiency and to create value across the organization.Our core Values are driven by our people, inform the way we do business each and every day and enhance our ability to accomplish our mission and related strategic objectives.Strategic ObjectivesWe have outlined the following strategic objectives to drive the accomplishment of our mission:â€¢Environmental, Health & Safety (â€œEH&Sâ€) - We aim to achieve continuous improvement in all EH&S areas through ensuring our peopleâ€™s commitment to environmental, health and safety comes first, the refinement of existing policies, continuous training, and enhanced monitoring procedures. â€¢Reliability - Our goal is to achieve industry-leading utilization rates at our facilities through safe and reliable operations. We are focusing on improvements in day-to-day plant operations, identifying alternative sources for plant inputs to reduce lost time due to third-party operational constraints, and optimizing our commercial and marketing functions to maintain plant operations at their highest level.â€¢Market Capture - We continuously evaluate opportunities to improve the facilitiesâ€™ realized pricing at the gate and reduce variable costs incurred in production to maximize our capture of market opportunities. â€¢Financial Discipline - We strive to be as efficient as possible by maintaining low operating costs and disciplined deployment of capital.Potential Strategic TransactionsAs previously disclosed in a Schedule 13D amendment filed on March 18, 2024, Icahn Enterprises L.P. and its affiliates (â€œIEPâ€) and the Company are considering potential strategic transactions available to the Company and our subsidiaries, which may include the acquisition of additional entities, assets or businesses, including the acquisition of material amounts of refining assets through negotiated mergers or stock or asset purchase agreements by the Company or our subsidiaries. IEP may participate in such acquisitions, including by providing financing to us or our subsidiaries through the acquisition of additional equity of us or our subsidiaries, providing loans to us or our subsidiaries or otherwise. In addition, IEP and the Company are considering strategic options involving CVR Partners, which may include the acquisition by IEP, the Company, a combination of IEP and the Company or other affiliated entities of some or all of the outstanding common units of CVR Partners not already indirectly owned by the Company (the â€œpublic common unitsâ€), the sale of CVR Partners or the Companyâ€™s interest therein, or other transactions. Any such acquisition, sale or transaction could be effectuated through open market purchases, tender or exchange offers, exercise of the limited call right contained in CVR Partnersâ€™ limited partnership agreement, value enhancing partnerships, negotiated merger transactions, privately negotiated transactions, sale transactions or otherwise. At this time, there can be no assurance that IEP or the Company will pursue any such potential strategic transactions or that any transactions, if pursued, will be completed on attractive terms or at all.June 30, 2024 | 24Table of ContentsAs of June 30, 2024, public common unitholders held approximately 63% of CVR Partnersâ€™ outstanding common units and CVR Services, LLC (â€œCVR Servicesâ€), a wholly owned subsidiary of CVR Energy, held the remaining approximately 37% of CVR Partnersâ€™ outstanding common units. In addition, CVR Services held 100% of the interest in CVR Partnersâ€™ general partner, CVR GP, LLC, as of June 30, 2024. IEP owned approximately 66% of the Companyâ€™s outstanding common stock as of June 30, 2024.Recent DevelopmentsA fire commenced at the Wynnewood Refinery during severe weather in the early morning hours of April 28, 2024. The fire was extinguished shortly after it started, no employees or contractors were injured, and the operations at the Coffeyville Refinery were not impacted by the fire. After further assessment of this incident, it was determined the damages were limited to pipe racks and pumps in the area of the naphtha processing units, which damage to the pipe rack impacted service to other units. The Company estimates the impact from the downtime and increased expenses associated with this incident in the second quarter of 2024 is a reduction of Income before income tax expense of approximately $50Â million, excluding the potential impact of any successful insurance recovery.Industry Factors and Market IndicatorsGeneral Business EnvironmentGeopolitical Matters - The conflict in the Middle East, which began in October 2023 and may continue to escalate, and the ongoing Russia-Ukraine war can significantly impact global oil, fertilizer, and agriculture markets. These conflicts pose significant geopolitical risks to global markets, raise concerns of major implications, such as the enforcement of sanctions, could contribute to further oil inventory tightening and price volatility, and disrupt the production and trade of fertilizer, grains, and feedstock through several means, such as trade restrictions. The ultimate outcome of these conflicts, or further escalation or expansion thereof, and any associated market disruptions are difficult to predict and may affect our business, operations, and cash flows in unforeseen ways.Regulatory Environment - There have been several proposed and enacted climate-related rules, in various stages of approval, that, if finalized, would demand considerable efforts to comply with new compliance requirements and could impact our disclosure controls and procedures as well as require additional disclosures in our regulatory filings. In addition, the current political environment provides uncertainty regarding existing and future laws, regulations, policies, or rulings, including the reinterpretation or amplification thereof by regulators, which may impact our business, operations, compliance costs, and market stability.Petroleum Segment The earnings and cash flows of the Petroleum Segment are primarily affected by the relationship between refined product prices and the prices for crude oil and other feedstocks that are processed and blended into refined products together with the cost of refinery compliance, including the cost of compliance with Renewable Fuel Standard (â€œRFSâ€) regulations. The cost to acquire crude oil and other feedstocks and the price for which refined products are ultimately sold depends on factors beyond the Petroleum Segmentâ€™s control, including the supply of and demand for crude oil, as well as gasoline, distillate, and other refined products which, in turn, depend on, among other factors, changes in domestic and foreign economies, driving habits, weather conditions, domestic and foreign political affairs, production levels, the availability or permissibly of imports and exports, the marketing of competitive fuels, and the extent of government regulations. Because the Petroleum Segment applies first-in, first-out (â€œFIFOâ€) accounting to value its inventory, crude oil price movements may impact net income as a result of changes in the value of its unhedged inventory. The effect of changes in crude oil prices on the Petroleum Segmentâ€™s results of operations is partially influenced by the rate at which the processing of refined products adjusts to reflect these changes.The prices of crude oil and other feedstocks and refined products are also affected by other factors, such as product pipeline capacity, system inventory, local and regional market conditions, inflation, and the operating levels of other refineries. Crude oil costs and the prices of refined products have historically been subject to wide fluctuations. Widespread expansion or upgrades of third-party facilities, price volatility, international political and economic developments, and other factors are likely to continue to play an important role in refining industry economics. These factors can impact, among other things, the level of inventories in the market, resulting in price volatility and a reduction in product margins. Moreover, the refining industry typically experiences seasonal fluctuations in demand for refined products, such as increases in the demand for gasoline during June 30, 2024 | 25Table of Contentsthe summer driving season and for volatile seasonal exports of diesel from the United States Gulf Coast. Specific factors impacting the Companyâ€™s operations are outlined below.Current Market Outlookâ€¢While the refining market has largely recovered since the pandemic, refined product demand declined 1% nationwide in the second quarter of 2024 from the pre-pandemic second quarter of 2019. Group 3 demand has been relatively consistent compared to other parts of the country following the pandemic. We characterize current crack spreads just below mid-cycle levels.â€¢Winter 2023/2024 weather was warmer than average in North America and Europe and, when combined with natural gas conservation measures, has caused demand and prices for natural gas to fall significantly, which contributed to the flattening of the global cost curve and has reduced the U.S. refinersâ€™ advantage compared to refiners in Europe.â€¢Industrial production has slowed since the second half of 2023, and truck, rail, and ship tonnage and freight volumes were reduced, which reduced distillate pricing in the fourth quarter of 2023 and continued into 2024. In addition, distillate crack spreads continue to be pressured by the low price levels of natural gas causing a lack of distillate demand to generate electricity around the world. Moreover, new LNG projects coming online and expansion of export capacity in the U.S. has contributed to the increase of global supply of natural gas and thus downward pressure on prices, and may also support fleet shifting from diesel to LNG. Gasoline and distillate pricing declined significantly through the end of the second quarter.â€¢Shale oil production continues to increase in the shale oil basins, albeit at a slower pace than in prior years, including in the Anadarko Basin. Crude oil exports have continued above a 4Â million bpd rate, and we believe the Petroleum Segment benefits from these exports through the Brent crude differential to WTI, as do all refineries in PADD II.â€¢Refining capacity is increasing significantly around the world. Major projects have started up in the Middle East and Asia and others are in progress, specifically in Mexico and Africa. Refining capacity in the U.S. has also increased approximately 500,000 bpd from pandemic levels mainly due to expansion projects. While these ongoing projects may encounter various challenges and come to market slower than anticipated, they should eventually impact global oil and refined product flows. At the same time, these capacity expansions could be offset by additional renewable diesel conversions and further refinery fleet rationalization through planned shutdowns or currently unplanned shutdowns due to future economic constraints given refined product consumption is slowing in the United States and remains weak in Europe.â€¢While renewable identification number (â€œRINâ€) prices increased slightly at the end of the second quarter of 2024, they are still lower than the second quarter of 2023. Production of renewable fuels continues to increase as new plants start up, which we expect to continue through 2025. We also expect biomass-based diesel RIN (â€œD4â€) production to exceed the renewable volume obligation (â€œRVOâ€) significantly going forward, creating a RIN surplus. In June 2023, the Environmental Protection Agency (â€œEPAâ€) set the D4 RVO for 2023, 2024, and 2025 at 2.82, 3.04, and 3.35 billion, respectively.â€¢In the second quarter of 2024, new electric vehicle sales in the U.S. increased approximately 11% from the second quarter of 2023. In 2022, miles per gallon of the new auto fleet continued to increase, averaging 26 miles per gallon (â€œMPGâ€). The EPA expects the new fleet average to have increased in 2023 by approximately 1 MPG. Vehicle miles traveled continues to increase but the effect of electric vehicle penetration in the fleet is clear and present. We expect this trend to continue.Regulatory EnvironmentWe continue to be impacted by significant volatility and costs associated with current and proposed laws, rules, regulations and policies, including the reinterpretation and amplification thereof, relating to climate change, the RFS, energy transition and related matters.â€¢Certain of the Petroleum Segmentâ€™s subsidiaries are subject to the RFS (collectively, the â€œobligated-party subsidiariesâ€), which, each year, absent exemptions or waivers, requires such obligated-party subsidiaries to blend renewable fuels with transportation fuels, purchase RINs in lieu of blending, or otherwise face liability. Our cost to comply with the RFS is dependent upon a variety of factors, which include but are not limited to the availability of ethanol and biodiesel for blending at our refineries and downstream terminals or RINs for purchase, the actions of RIN market participants including non-obligated parties, the price at which RINs can be purchased, transportation fuel and renewable diesel production levels and pricing including potential discounts thereto related to the RFS, the mix of our products, our refining margins and other factors, all of which can vary significantly from period to period, as well as certain waivers or exemptions to which we may be entitled. Our costs to comply with the RFS further depend on the June 30, 2024 | 26Table of Contentsconsistent, timely, and legal administration of the RFS program by the EPA, including the EPAâ€™s unlawful failure to establish the RVOs by their statutory deadlines, its subsequent promulgation of RVOs exceeding the blendwall, its delay in issuing decisions on pending small refinery exemption (â€œSREâ€) petitions, its subsequent denial of those SRE petitions and its failure to designate blenders as obligated parties under the RFS. Our costs to comply with the RFS are also impacted by, and dependent upon the outcome of, the numerous lawsuits filed by multiple refiners including our obligated-party subsidiaries, biofuels groups and others. Refer to Part I, Item 1, Note 13 (â€œCommitments and Contingenciesâ€) in this Report. Wynnewood Refining Company, LLC filed its SRE petition for 2023, which has not yet been ruled on by the EPA despite the 90-day deadline for the EPA to rule on SRE petitions applicable under the law. As a result, our costs to comply with RFS (excluding the impacts of any exemptions or waivers to which the Petroleum Segmentâ€™s obligated-party subsidiaries may be entitled) increased significantly throughout 2022, remained significant in 2023 and is expected to remain significant through 2024 and beyond. â€¢In March 2024, the EPA finalized new motor vehicle emissions standards for light-, medium-, and heavy-duty vehicles for model year 2027 and beyond. New heavy-truck requirements are also being proposed. As a result of these new standards, the EPA expects EVs will account for 68% of new light-duty vehicles by model year 2032. In the United States in the second quarter of 2024, approximately 8% of new-vehicle sales were EVs.â€¢We currently expect that the $1-per-gallon Blenders Tax Credit (â€œBTCâ€) tax incentive for renewable diesel and biodiesel will not be extended past its expiration date of December 31, 2024. While extensions of this tax incentive have been granted close to, and even after, expiration dates in the past, we believe provisions of the Inflation Reduction Act that create the Production Tax Credit incentive may signal the end of the BTC. In any case, the credits will be significantly reduced if the BTC is not renewed.Company Initiativesâ€¢Our Wynnewood Refinery has a renewable diesel unit and a pretreatment unit. The renewable diesel unit at the Wynnewood Refinery has the flexibility to be returned to hydrocarbon processing service primarily through a catalyst change depending on market conditions including but not limited to renewable diesel margins, contractual obligations and other factors. The pretreatment unit is designed to lower our feedstock costs and enable us to process a wider variety of renewable diesel feedstocks at the Wynnewood Refinery, most of which have a lower carbon intensity than soybean oil and generate additional Low Carbon Fuel Standard credits. With our existing renewable diesel production, this could mitigate the majority, if not all, of our future RFS exposure for our Coffeyville Refinery as long as the unit is kept in renewable fuel service and operating at capacity. We continue to seek, and pursue in court, SREs for our Wynnewood Refinery, and have also been assessing a project to produce sustainable aviation fuels at this plant assuming we can find a third-party for a guaranteed off take at a formula price.â€¢The Company is evaluating a potential renewables project near its Coffeyville location, the approval of which would be subject to numerous conditions and requirements including, but not limited to, approval of our Board, regulators, and potential other third parties, including our ability to enter into an agreement with third parties to fund such project. This project, if approved and pursued, could enable the capture of synergies with the Petroleum Segment as our Coffeyville Refinery has excess hydrogen capacity as well as potential access to third-party carbon capture use and storage.â€¢As part of an agreement the Company entered into with an unaffiliated party, a fuel-by-rail facility was built during the first quarter of 2024 at a property adjacent to the Coffeyville Refinery intended to allow the Company to sell product to customers that ship refined products to higher priced markets primarily in PADD IV and V. This unaffiliated party has operated the facility under a take-or-pay agreement for an initial term of two years.â€¢The Company has undertaken a project to replace the hydrofluoric acid catalyst in the alkylation unit at its Wynnewood Refinery with a fixed bed catalyst system, which should expand the alkylation unit by approximately 2,500 bpd, increase product capture by reducing propylene production and increase production of premium gasoline, and eliminate hydrofluoric acid inventory onsite. The capital investment is estimated at $136Â million.â€¢In April 2024, the Board approved the Distillate Yield Improvement Project at the Wynnewood Refinery to modify one of the vacuum towers, which may increase distillate production at Wynnewood by up to approximately 4,000 bpd. Final completion is currently expected in 2026 at a capital cost of less than $15Â million. The Company is also studying a similar project at Coffeyville which, if approved by the Board and successfully implemented, the first phase could be completed in 2025/2026.As of June 30, 2024, we have an estimated liability of $312 million for the Petroleum Segmentâ€™s obligated-party subsidiaries compliance with the RFS for 2020 through 2024, which consists of approximately 471Â million RINs, excluding June 30, 2024 | 27Table of Contentsopen, fixed-price commitments to purchase a net 12Â million RINs. The Companyâ€™s open RFS position, which does not consider open commitments expected to settle in future periods or the impact of any waivers or exemptions, is marked-to-market each period at spot price and thus significant market volatility, as experienced in late 2022, 2023, and 2024 to date, could impact our RFS expense from period to period. Market IndicatorsNYMEX WTI crude oil is an industry wide benchmark that is utilized in the market pricing of a barrel of crude oil. The pricing differences between other crude oils and WTI, known as differentials, show how the market for other crude oils such as WCS, White Cliffs (â€œCondensateâ€), Brent Crude (â€œBrentâ€), and Midland WTI (â€œMidlandâ€) are trending. Due to the Russia-Ukraine war, the conflict in the Middle East, and, in each case, actions taken by governments and others in response thereto, refined product prices have experienced extreme volatility. As a result of the current environment, refining margins have been and should continue to be volatile.As a performance benchmark and a comparison with other industry participants, we utilize NYMEX and Group 3 crack spreads. These crack spreads are a measure of the difference between market prices for crude oil and refined products and are a commonly used proxy within the industry to estimate or identify trends in refining margins. Crack spreads can fluctuate significantly over time as a result of market conditions and supply and demand balances. The NYMEX 2-1-1 crack spread is calculated using two barrels of WTI producing one barrel of NYMEX RBOB Gasoline (â€œRBOBâ€) and one barrel of NYMEX NY Harbor ULSD (â€œHOâ€). The Group 3 2-1-1 crack spread is calculated using two barrels of WTI crude oil producing one barrel of Group 3 sub-octane gasoline and one barrel of Group 3 ultra-low sulfur diesel.Both NYMEX 2-1-1 and Group 3 2-1-1 crack spreads decreased during the six months ended June 30, 2024 compared to the six months ended June 30, 2023. The NYMEX 2-1-1 crack spread averaged $27.85 per barrel during the six months ended June 30, 2024 compared to $35.32 per barrel in the six months ended June 30, 2023. The Group 3 2-1-1 crack spread averaged $19.17 per barrel during the six months ended June 30, 2024 compared to $33.10 per barrel during the six months ended June 30, 2023.Average monthly prices for RINs decreased 55.7% during the second quarter of 2024 compared to the same period of 2023. On a blended barrel basis (calculated using applicable RVO percentages), RINs approximated $3.39 per barrel during the second quarter of 2024 compared to $7.64 per barrel during the second quarter of 2023.The charts below are presented, on a per barrel basis, by month through June 30, 2024:Crude Oil Differentials against WTI (1)(2)June 30, 2024 | 28Table of ContentsNYMEX Crack Spreads (2)PADD II Group 3 Product Crack Spreadand RIN Pricing (2)(3) ($/bbl)June 30, 2024 | 29Table of ContentsGroup 3 Product Differential against NYMEXProducts (1)(2) ($/bbl)(1)The change over time in NYMEX - WTI, as reflected in the charts above, is illustrated below:(in $/bbl)Average 2022Average December 2022Average 2023Average December 2023Average 2024Average June 2024WTI$94.41Â $76.52Â $77.57Â $72.12Â $78.81Â $78.70Â (2)Information used within these charts was obtained from reputable market sources, including the New York Mercantile Exchange (â€œNYMEXâ€), Intercontinental Exchange, and Argus Media, among others.(3)PADD II is the Midwest Petroleum Area for Defense District (â€œPADDâ€), which includes Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, Oklahoma, South Dakota, Tennessee and Wisconsin.Nitrogen Fertilizer Segment Within the Nitrogen Fertilizer Segment, earnings and cash flows from operations are primarily affected by the relationship between nitrogen fertilizer product prices, utilization, and operating costs and expenses, including pet coke and natural gas feedstock costs.The price at which nitrogen fertilizer products are ultimately sold depends on numerous factors, including the global supply and demand for nitrogen fertilizer products, which, in turn, depends on world grain demand and production levels, changes in world population, the cost and availability of fertilizer transportation infrastructure, weather conditions, the availability of imports, the availability and price of feedstocks to produce nitrogen fertilizer, and the extent of government intervention in agriculture markets, among other factors. These factors can impact, among other things, the level of inventories in the markets, resulting in price and product margin volatility. Moreover, the industry typically experiences seasonal fluctuations in demand for nitrogen fertilizer products.Certain governmental regulations and incentives associated with the automobile transportation and agricultural industries, including the ones related to corn-based ethanol and sustainable aviation fuel production or consumption, can, and have, directly impact our business. In June 2023, the EPA announced the renewable volume obligations for 2023, 2024, and 2025 which maintained the conventional biofuel blending level at 15Â billion gallons. These actions lead us to believe that the demand on food, in particular corn, for fuel will remain strong for the foreseeable future and support farmer economics that incentivize the use of nitrogen-based fertilizers.In contrast, in March 2024, the EPA finalized motor vehicle emission standards for light-, medium-, and heavy-duty vehicles for model year 2027 and beyond, which could significantly reduce the use of internal combustion engine vehicles and the demand for liquid fuels, including ethanol. New heavy-truck requirements are also being proposed. In 2023, production of ethanol consumed approximately 38% of the annual United States corn crop used by the market.June 30, 2024 | 30Table of ContentsMarket IndicatorsWhile there is risk of shorter-term volatility given the inherent nature of the commodity cycle and governmental and geopolitical risks, the Company believes the long-term fundamentals for the U.S. nitrogen fertilizer industry remain intact. The Nitrogen Fertilizer Segment views the anticipated combination of (i) increasing global population, (ii) decreasing arable land per capita, (iii) continued evolution to more protein-based diets in developing countries, (iv) sustained use of corn and soybeans as feedstock for the domestic production of ethanol and other renewable fuels, and (v) positioning at the lower end of the global cost curve should provide a solid foundation for nitrogen fertilizer producers in the United States over the longer term.Corn and soybeans are two major crops planted by farmers in North

America. Corn crops result in the depletion of the amount of nitrogen within the soil in which it is grown, which in turn, results in the need for this nutrient to be replenished after each growing cycle. Unlike corn, soybeans are able to obtain most of their own nitrogen through a process known as â€œN fixationâ€. As such, upon harvesting of soybeans, the soil retains a certain amount of nitrogen which results in lower demand for nitrogen fertilizer for the following corn planting cycle. Due to these factors, nitrogen fertilizer consumers generally operate a balanced corn-soybean rotational planting cycle as shown by the chart presented below as of June 30, 2024.The relationship between the total acres planted for both corn and soybeans has a direct impact on the overall demand for nitrogen products, as the market and demand for nitrogen increases with increased corn acres and decreases with increased soybean acres. Additionally, an estimated 14Â billion pounds of soybean oil is expected to be used in producing cleaner renewable fuels in marketing year 2024/2025. Multiple refiners have announced renewable diesel expansion projects for 2024 and beyond, which should only increase the demand for soybeans and potentially for corn and canola.The United States Department of Agriculture (â€œUSDAâ€) estimates that in spring 2024 farmers planted 91 million corn acres, representing a decrease of 3% compared to 95 million corn acres in 2023. Planted soybean acres are estimated to be 86Â million, representing an increase of 3% compared to 84 million soybean acres in 2023. The combined estimated corn and soybean planted acres of 178 million represents a nominal decrease compared to the acreage planted in 2023. Due to lower input costs in 2024 for corn planting and the relative grain prices of corn versus soybeans, economics have favored planting corn compared to soybeans in 2024. Inventory levels of corn and soybeans are expected to be supportive of grain prices for the remainder of 2024.Ethanol is blended with gasoline to meet RFS requirements and for its octane value. Since 2010, ethanol production has historically consumed 38% of the U.S. corn crop used by the market, so demand for corn generally rises and falls with ethanol demand, as shown by the charts below, through June 30, 2024.U.S. Plant Production of Fuel Ethanol (1)Corn and Soybean Planted Acres (2)(1)Information used within this chart was obtained from the U.S. Energy Information Administration (â€œEIAâ€) through June 30, 2024.(2)Information used within this chart was obtained from the USDA, National Agricultural Statistics Services as of June 30, 2024.Weather continues to be a critical variable for crop production. Even with high planted acres and trendline yields per acre in the U.S., global inventory levels for corn and soybeans remain at or below historical levels and prices have remained June 30, 2024 | 31Table of Contentselevated. Demand for nitrogen fertilizer, as well as other crop inputs, is expected to be strong for the spring 2024 planting season, primarily due to elevated grain prices and favorable weather conditions for planting. Fertilizer input costs have been volatile since the fall of 2021. Natural gas prices were elevated in the fall of 2022 due to shortages in Europe and demand being driven by building natural gas storage for winter. Winter 2022/2023 weather was warmer than average in Europe and, when combined with natural gas conservation measures, caused demand and prices for natural gas in Europe to fall significantly in the first quarter of 2023 and remain below the 2021/2022 price levels. The decline in natural gas prices, and the resulting capacity curtailments, among other factors, has led to a significant reduction in the price for nitrogen fertilizer from peak prices. While we expect that natural gas prices might remain below the elevated levels experienced in 2022 in the near term, we believe that the structural shortage of natural gas in Europe will continue to be a source of volatility for the rest of 2024 through 2026. Although pet coke prices have been elevated since 2021 due to higher natural gas prices compared to historical levels, as natural gas prices fell in 2023, third-party pet coke prices have declined into 2024.CVR Partners InitiativesCVR Partners has been conducting engineering studies on the potential to utilize natural gas as an optional feedstock to pet coke at its facility in Coffeyville, Kansas (the â€œCoffeyville Fertilizer Facilityâ€). Based on these studies, the Coffeyville Fertilizer Facility could utilize either natural gas or pet coke to produce nitrogen fertilizer by making certain modifications to the plant. If this project is approved by the board of directors of CVR Partnersâ€™ general partner (the â€œUAN GP Boardâ€) and successfully implemented, it could allow CVR Partners to choose the optimal feedstock mix for production and would make the Coffeyville Fertilizer Facility the only nitrogen fertilizer plant in the U.S. with that feedstock flexibility.The charts below show relevant market indicators for the Nitrogen Fertilizer Segment by month through June 30, 2024:Ammonia and UAN Market Pricing (1)June 30, 2024 | 32Table of ContentsNatural Gas Market Pricing (1)Pet Coke Market Pricing (1)(1)Information used within these charts was obtained from various third-party sources, including Green Markets (a Bloomberg Company), Pace Petroleum Coke Quarterly, and the EIA, amongst others.Results of OperationsConsolidatedOur consolidated results of operations include renewable fuels, certain other unallocated corporate activities, and the elimination of intercompany transactions and, therefore, do not equal the sum of the operating results of the Petroleum Segment and Nitrogen Fertilizer Segment.Consolidated Financial Highlights (Three and Six Months Ended June 30, 2024 versus June 30, 2023)Operating IncomeNet Income Attributable to CVREnergy StockholdersJune 30, 2024 | 33Table of ContentsEarnings per ShareEBITDA (1)(1)See â€œNon-GAAP Reconciliationsâ€ section below for reconciliations of the non-GAAP measures shown above.Three and Six Months Ended June 30, 2024 versus June 30, 2023 (Consolidated)Overview - For the three months ended June 30, 2024, the Companyâ€™s operating income and net income were $27Â million and $38 million, respectively, compared to operating income and net income of $224 million and $168 million, respectively, for the three months ended June 30, 2023. For the six months ended June 30, 2024, the Companyâ€™s operating income and net income were $149 million and $128 million, respectively, compared to operating income and net income of $554 million and $427 million, respectively, for the six months ended June 30, 2023. Refer to our discussion of each segmentâ€™s results of operations below for further information.Income Tax (Benefit) Expense -Â Income tax benefit for the three and six months ended June 30, 2024 was $26 million and $10Â million, or (219.7)% and (7.2)% of income before income tax, respectively, compared to income tax expense for the three and six months ended June 30, 2023 of $44 million and $101 million, or 20.9% and 19.1% of income before income tax, respectively. The decrease in income tax expense was primarily due to a decrease in overall pretax earnings from the three and six months ended June 30, 2023 to the three and six months ended June 30, 2024. In addition, the change in the effective tax rate was primarily due to changes in pretax earnings attributable to noncontrolling interest and the impact of federal and state tax credits and incentives in relation to overall pretax earnings from the three and six months ended June 30, 2023 to the three and six months ended June 30, 2024.Petroleum SegmentThe Petroleum Segment utilizes certain inputs within its refining operations. These inputs include crude oil, butanes, natural gasoline, ethanol, and bio-diesel (these are also known as â€œthroughputsâ€).June 30, 2024 | 34Table of ContentsRefining Throughput and Production Data by RefineryThroughput DataThree Months EndedJune 30,Six Months EndedJune 30,(in bpd)2024202320242023CoffeyvilleGathered crude86,851Â 73,547Â 74,628Â 59,527Â Other domestic28,625Â 41,721Â 37,275Â 46,572Â Canadian9,518Â 84Â 9,525Â 2,091Â Condensate5,079Â 6,598Â 6,390Â 7,879Â Other crude oil551Â â€”Â 275Â â€”Â Other feedstocks and blendstocks10,773Â 12,124Â 11,671Â 12,678Â WynnewoodGathered crude34,190Â 51,142Â 38,624Â 50,485Â Other domestic2,421Â 1,002Â 1,210Â 2,471Â Condensate5,965Â 11,992Â 8,114Â 13,950Â Other feedstocks and blendstocks2,235Â 2,865Â 3,287Â 3,144Â Total throughput186,208Â 201,075Â 190,999Â 198,797Â Production DataThree Months EndedJune 30,Six Months EndedJune 30,(in bpd)2024202320242023CoffeyvilleGasoline71,51568,00872,11966,258Distillate57,71057,99656,85854,100Other liquid products7,0153,8165,7844,461Solids4,9903,9164,9853,632WynnewoodGasoline25,67236,01728,82837,991Distillate16,05323,60417,61024,424Other liquid products2,3496,7143,9566,499Solids610610Total production185,310200,081190,146197,375Light product yield (as % of crude throughput) (1)98.7Â %99.8Â %99.6Â %99.9Â %Liquid volume yield (as % of total throughput) (2)96.8Â %97.6Â %96.9Â %97.5Â %Distillate yield (as % of crude throughput) (3)42.6Â %43.9Â %42.3Â %42.9Â %(1)Total Gasoline and Distillate divided by total Gathered crude, Other domestic, Canadian, and Condensate throughput (collectively, â€œTotal Crude Throughputâ€).(2)Total Gasoline, Distillate, and Other liquid products divided by total throughput.(3)Total Distillate divided by Total Crude Throughput.Petroleum Segment Financial Highlights (Three and Six Months Ended June 30, 2024 versus June 30, 2023)Overview - For the three months ended June 30, 2024, the Petroleum Segmentâ€™s operating income and net income were $10Â million and $18Â million, respectively, compared to operating income and net income of $171 million and $194Â million, respectively, for the three months ended June 30, 2023. These declines were primarily due to decreases in gasoline and distillate crack spreads, along with decreased production and increased maintenance resulting from a fire at the Wynnewood Refinery in April 2024 (the â€œWynnewood Fireâ€). These variances were partially offset by lower RFS related expenses and a favorable derivatives impact in the current period. For the six months ended June 30, 2024, the Petroleum Segmentâ€™s operating income and net income were $128Â million and $145Â million, respectively, compared to operating income and net income of June 30, 2024 | 35Table of Contents$408Â million and $453Â million, respectively, for the six months ended June 30, 2023. Similarly, these declines were primarily due to decreases in gasoline and distillate crack spreads, decreased production and increased maintenance resulting from the Wynnewood Fire, and a less favorable derivatives impact in the current period compared to the prior period, partially offset by lower RFS related expenses. Net SalesOperating Income Net IncomeEBITDA (1)(1)See â€œNon-GAAP Reconciliationsâ€ section below for reconciliations of the non-GAAP measures shown above.Net Sales - For the three and six months ended June 30, 2024, net sales for the Petroleum Segment was $1.8Â billion and $3.5Â billion, respectively, compared to $2.0Â billion and $4.0Â billion for the three and six months ended June 30, 2023, respectively. The decrease in net sales for both periods was driven by lower refined product prices resulting from elevated inventory levels and reduced demand, along with fewer sales as a result of the Wynnewood Fire.June 30, 2024 | 36Table of ContentsQ2 Refining Margin (1)YTD Refining Margin (1)(1)See â€œNon-GAAP Reconciliationsâ€ section below for reconciliations of the non-GAAP measures shown above.Refining Margin - For the three months ended June 30, 2024, refining margin was $185Â million, or $10.94 per throughput barrel, compared to $333 million, or $18.21 per throughput barrel, for the three months ended June 30, 2023. The primary factors contributing to the $148Â million decrease in refining margin were:â€¢A decrease in the Group 3 2-1-1 crack spread of $13.20 per barrel, driven by a tightening of gasoline and distillate crack spreads primarily due to increased inventory levels and lower demand in the current year; and â€¢Unfavorable sales impacts related to the Wynnewood Fire.Factors partially offsetting the decrease in refining margin were:â€¢A decline in RFS related expense of $51 million, which includes favorable RINs revaluation adjustments of $2Â million; andâ€¢Favorable inventory valuation impacts of $2 million for the three months ended June 30, 2024 compared to unfavorable inventory valuation impacts of $21Â million for the three months ended June 30, 2023, primarily due to rising crude oil prices in the current period compared to falling crude oil prices in the second quarter of 2023.â€¢Favorable derivative impacts of $20Â million from gains on open crack spread swap positions in the current period compared to losses during the three months ended June 30, 2023.For the six months ended June 30, 2024, refining margin was $476Â million, or $13.68 per throughput barrel, compared to $744 million, or $20.68 per throughput barrel, for the six months ended June 30, 2023. The primary factors contributing to the $268Â million decrease in refining margin were:â€¢A decrease in the Group 3 2-1-1 crack spread of $13.93 per barrel, driven by a tightening of gasoline and distillate crack spreads primarily due to increased inventory levels and lower demand in the current year; andâ€¢Unfavorable derivative impacts of $37Â million from smaller gains on open crack spread swap positions in the current period compared to the six months ended June 30, 2023.Factors partially offsetting the decrease in refining margin were:â€¢A decline in RFS related expense of $136 million, which includes favorable RINs revaluation adjustments of $37Â million; andâ€¢Favorable inventory valuation impacts of $39 million for the six months ended June 30, 2024 compared to unfavorable inventory valuation impacts of $33Â million for the six months ended June 30, 2023, primarily due to rising crude oil prices in the current period compared to falling crude oil prices during the six months ended June 30, 2023.June 30, 2024 | 37Table of ContentsQ2 Direct Operating Expenses (1)YTD Direct Operating Expenses (1)(1)Exclusive of depreciation and amortization expense.Direct Operating Expenses (Exclusive of Depreciation and Amortization) - For the three and six months ended June 30, 2024, direct operating expenses (exclusive of depreciation and amortization) was $118 million and $221 million, respectively, compared to $100 million and $204 million for the three and six months ended June 30, 2023, respectively. The increases for the three and six months ended June 30, 2024 were primarily due to increased repairs and maintenance. On a total throughput barrel basis, direct operating expenses increased to $6.94 and $6.34 per barrel for the three and six months ended June 30, 2024, respectively, from $5.46 and $5.68 per barrel for the three and six months ended June 30, 2023, respectively. The increases were primarily due to increased maintenance and decreased throughput for the three and six months ended June 30, 2024 compared to the three and six months ended June 30, 2023.Depreciation and Amortization ExpenseSelling, General, and AdministrativeExpenses, and Loss on Asset DisposalDepreciation and Amortization Expense - For the three and six months ended June 30, 2024, depreciation and amortization expense remained consistent period over period with $43 million and $92 million, respectively, compared to $45 million and $91 million for the three and six months ended June 30, 2023, respectively.June 30, 2024 | 38Table of ContentsSelling, General, and Administrative Expenses, and Loss on Asset Disposal - For the three and six months ended June 30, 2024, selling, general and administrative expenses, and loss on asset disposal was $14 million and $35 million, respectively, compared to $17 million and $41 million for the three and six months ended June 30, 2023, respectively. The decreases for both periods were primarily due to a decrease in consulting services and share-based compensation as a result of a decrease in the market price of CVR Energyâ€™s common share, as well as decreased legal services expense during the six months ended June 30, 2024. Nitrogen Fertilizer Segment Utilization and Production Volumes - The following tables summarize the consolidated ammonia utilization from the Coffeyville Fertilizer Facility and the East Dubuque Fertilizer Facility. Utilization is an important measure used by management to assess operational output at each of the Nitrogen Fertilizer Segmentâ€™s facilities. Utilization is calculated as actual tons of ammonia produced divided by capacity.Utilization is presented solely on ammonia production, rather than on each nitrogen product, as it provides a comparative baseline against industry peers and eliminates the disparity of facility configurations for upgrade of ammonia into other nitrogen products. With production primarily focused on ammonia upgrade capabilities, we believe this measure provides a meaningful view of how we operate.Gross tons of ammonia represent the total ammonia produced, including ammonia produced that was upgraded into other fertilizer products. Net tons available for sale represents the ammonia available for sale that was not upgraded into other fertilizer products. The table below presents all of these Nitrogen Fertilizer Segment metrics for the three and six months ended June 30, 2024 and 2023:Three Months EndedJune 30,Six Months EndedJune 30,2024202320242023Consolidated Ammonia Utilization102Â %100Â %96Â %103Â %Production Volumes (in thousands of tons)Ammonia (gross produced)221219414442Ammonia (net available for sale)6970130132UAN337339643705On a consolidated basis for the three months ended June 30, 2024, the Nitrogen Fertilizer Segmentâ€™s utilization increased to 102% compared to 100% for the three months ended June 30, 2023 due to the facilities operating largely as planned with reduced downtime compared to the prior period. For the six months ended June 30, 2024, utilization decreased to 96% compared to 103% for the six months ended June 30, 2023 primarily due to the 14-day planned outage at the Coffeyville Fertilizer Facility during the first quarter of 2024.Sales and Pricing per Ton - Two of the Nitrogen Fertilizer Segmentâ€™s key operating metrics are total sales volumes for ammonia and UAN, along with the product pricing per ton realized at the gate. Product pricing at the gate represents net sales less freight revenue divided by product sales volume in tons and is shown in order to provide a pricing measure comparable across the fertilizer industry.June 30, 2024 | 39Table of ContentsThree Months EndedJune 30,Six Months EndedJune 30,2024202320242023Consolidated sales volumes (thousands of tons)Ammonia43Â 79Â 113Â 121Â UAN330Â 329Â 614Â 688Â Consolidated product pricing at gate (dollars per ton)Ammonia$520Â $707Â $525Â $770Â UAN268Â 316Â 268Â 390Â For the three and six months ended June 30, 2024 compared to the three and six months ended June 30, 2023, total product sales volumes were unfavorable due to shifting more product sales into the first quarter of 2024 as weather was favorable for an early application during the second quarter of 2024 and reduced production volumes as a result of the 14-day planned outage at the Coffeyville Fertilizer Facility during the first quarter of 2024. For the three and six months ended June 30, 2024, total product sales prices were unfavorable driven by sales price decreases of 26% and 32%, respectively, for ammonia and 15% and 31%, respectively, for UAN. Ammonia and UAN sales prices were unfavorable primarily due to lower natural gas prices reducing input costs and driving an overall decrease in the market prices.Feedstock - Our Coffeyville Fertilizer Facility utilizes a pet coke gasification process to produce nitrogen fertilizer. Our East Dubuque Fertilizer Facility uses natural gas in its production of ammonia. The table below presents these feedstocks for both fertilizer facilities within the Nitrogen Fertilizer Segment for the three and six months ended June 30, 2024 and 2023:Three Months EndedJune 30,Six Months EndedJune 30,2024202320242023Petroleum coke used in production (thousands of tons)133Â 124Â 261Â 255Â Petroleum coke used in production (dollars per ton)$62.96Â $73.91Â $69.21Â $75.62Â Natural gas used in production (thousands of MMBtus) (1)2,213Â 2,194Â 4,361Â 4,296Â Natural gas used in production (dollars per MMBtu) (1)$1.93Â $2.35Â $2.51Â $4.02Â Natural gas in cost of materials and other (thousands of MMBtus) (1)1,855Â 2,403Â 3,620Â 3,718Â Natural gas in cost of materials and other (dollars per MMBtu) (1)$1.85Â $4.11Â $2.65Â $5.41Â (1)The feedstock natural gas shown above does not include natural gas used for fuel. The cost of fuel natural gas is included in Direct operating expenses (exclusive of depreciation and amortization).Nitrogen Fertilizer Segment Financial Highlights (Three and Six Months Ended June 30, 2024 versus June 30, 2023) Overview - For the three months ended June 30, 2024, the Nitrogen Fertilizer Segmentâ€™s operating income and net income were $34 million and $26 million, respectively, compared to operating income and net income of $67 million and $60 million, respectively, for the three months ended June 30, 2023. For the six months ended June 30, 2024, the Nitrogen Fertilizer Segmentâ€™s operating income and net income were $54 million and $39 million, respectively, compared to operating income and net income of $176 million and $162 million, respectively, for the six months ended

June 30, 2023. These decreases were primarily driven by lower product sales prices attributable to natural gas prices reducing input costs and driving an overall decrease in the market prices.June 30, 2024 | 40Table of ContentsNet SalesOperating IncomeNet IncomeEBITDA (1)(1)See â€œNon-GAAP Reconciliationsâ€ section below for reconciliations of the non-GAAP measures shown above.Net Sales - For the three months ended June 30, 2024, the Nitrogen Fertilizer Segmentâ€™s net sales was $133 million compared to $183 million for the three months ended June 30, 2023. The decrease was primarily due to unfavorable UAN and ammonia sales prices resulting in reduced revenues of $24 million and unfavorable ammonia sales volume contributing $26 million in lower revenue compared to the three months ended June 30, 2023. The following table demonstrates the impact of changes in sales volumes and pricing for the primary components of net sales, excluding urea products, freight, and other revenue, for the three months ended June 30, 2024 compared to the three months ended June 30, 2023:(in millions)Price VarianceVolume VarianceUAN(16)â€”Â Ammonia(8)(26)The $187 and $48 per ton decreases in ammonia and UAN sales pricing, respectively, for the three months ended June 30, 2024 compared to the three months ended June 30, 2023 were primarily attributable to natural gas prices reducing input costs June 30, 2024 | 41Table of Contentsand driving an overall decrease in the market prices. The decrease in ammonia sales volume for the three months ended June 30, 2024 compared to the three months ended June 30, 2023 was due to shifting more product into the first quarter as weather was favorable for an early application.For the six months ended June 30, 2024, the Nitrogen Fertilizer Segmentâ€™s net sales was $261 million compared to $409 million for the six months ended June 30, 2023. This decrease was primarily due to unfavorable UAN and ammonia pricing conditions and sales volumes which contributed $103 million and $36 million, respectively, in lower revenues compared to the six months ended June 30, 2023.The following table demonstrates the impact of changes in sales volumes and pricing for the primary components of net sales, excluding urea products, freight, and other revenue, for the six months ended June 30, 2024 compared to the six months ended June 30, 2023:(in millions)Price VarianceVolume VarianceUAN(75)(29)Ammonia(28)(7)The $245 and $122 per ton decreases in ammonia and UAN sales pricing, respectively, for the six months ended June 30, 2024 compared to the six months ended June 30, 2023 were primarily attributable to natural gas prices reducing input costs and driving an overall decrease in the market prices, paired with increased global supplies of nitrogen fertilizer. The decreases in UAN and ammonia sales volumes for the six months ended June 30, 2024 compared to the six months ended June 30, 2023 were primarily attributable to lower UAN and ammonia production volumes as a result of the 14-day planned outage at the Coffeyville Fertilizer Facility during the first quarter of 2024.Cost of Materials and Other - For the three and six months ended June 30, 2024, cost of materials and other was $26 million and $51 million, respectively, compared to $33 million and $70 million, respectively, for the three and six months ended June 30, 2023. The decrease was driven primarily by lower natural gas and refinery pet coke prices in the current period.Non-GAAP MeasuresOur management uses certain non-GAAP performance measures, and reconciliations to those measures, to evaluate current and past performance and prospects for the future to supplement our financial information presented in accordance with accounting principles generally accepted in the United States (â€œGAAPâ€). These non-GAAP financial measures are important factors in assessing our operating results and profitability and include the performance and liquidity measures defined below.The following are non-GAAP measures we present for the periods ended June 30, 2024 and 2023:EBITDA - Consolidated net income (loss) before (i) interest expense, net, (ii) income tax expense (benefit) and (iii) depreciation and amortization expense.Petroleum EBITDA and Nitrogen Fertilizer EBITDA - Segment net income (loss) before segment (i) interest expense, net, (ii) income tax expense (benefit), and (iii) depreciation and amortization.Refining Margin - The difference between our Petroleum Segment net sales and cost of materials and other.Refining Margin, per Throughput Barrel - Refining Margin divided by the total throughput barrels during the period, which is calculated as total throughput barrels per day times the number of days in the period.Direct Operating Expenses per Throughput Barrel - Direct operating expenses for our Petroleum Segment divided by total throughput barrels for the period, which is calculated as total throughput barrels per day times the number of days in the period.Adjusted EBITDA, Petroleum Adjusted EBITDA and Nitrogen Fertilizer Adjusted EBITDA - EBITDA, Petroleum EBITDA and Nitrogen Fertilizer EBITDA adjusted for certain significant noncash items and items that management believes are not attributable to or indicative of our underlying operational results of the period or that may obscure results and trends we deem useful.June 30, 2024 | 42Table of ContentsWe present these measures because we believe they may help investors, analysts, lenders and ratings agencies analyze our results of operations and liquidity in conjunction with our U.S. GAAP results, including but not limited to our operating performance as compared to other publicly traded companies in the refining and fertilizer industries, without regard to historical cost basis or financing methods and our ability to incur and service debt and fund capital expenditures. Non-GAAP measures have important limitations as analytical tools because they exclude some, but not all, items that affect net earnings and operating income. These measures should not be considered substitutes for their most directly comparable U.S. GAAP financial measures. See â€œNon-GAAP Reconciliationsâ€ included herein for reconciliation of these amounts. Due to rounding, numbers presented within this section may not add or equal to numbers or totals presented elsewhere within this document.Factors Affecting Comparability of Our Financial ResultsPetroleum SegmentOur results of operations for the periods presented may not be comparable with prior periods or to our results of operations in the future due to capitalized expenditures as part of planned turnarounds. Total capitalized expenditures were $3 million and $11 million during the three months ended June 30, 2024 and 2023, respectively, and $42 million and $51 million during the six months ended June 30, 2024 and 2023, respectively. The next planned turnaround is currently scheduled to take place in 2025 at the Coffeyville Refinery. Non-GAAP ReconciliationsReconciliation of Net Income to EBITDA and Adjusted EBITDAThree Months EndedJune 30,Six Months EndedJune 30,(in millions)2024202320242023Net income$38Â $168Â $128Â $427Â Interest expense, net19Â 16Â 39Â 32Â Income tax (benefit) expense(26)44Â (10)101Â Depreciation and amortization72Â 72Â 149Â 141Â EBITDA103Â 300Â 306Â 701Â Adjustments:Revaluation of RFS liability, unfavorable (favorable)â€”Â 2Â (91)(54)Unrealized (gain) loss on derivatives, net(17)19Â 7Â (13)Inventory valuation impacts, unfavorable (favorable)1Â 26Â (36)46Â Adjusted EBITDA$87Â $347Â $186Â $680Â Reconciliation of Petroleum Segment Net Income to EBITDA and Adjusted EBITDAThree Months EndedJune 30,Six Months EndedJune 30,(in millions)2024202320242023Petroleum net income$18Â $194Â $145Â $453Â Interest income, net(5)(19)(10)(39)Depreciation and amortization43Â 45Â 92Â 91Â Petroleum EBITDA56Â 220Â 227Â 505Â Adjustments:Revaluation of RFS liability, unfavorable (favorable)â€”Â 2Â (91)(54)Unrealized (gain) loss on derivatives, net(17)15Â 7Â (16)Inventory valuation impacts, (favorable) unfavorable (1)(2)21Â (39)33Â Petroleum Adjusted EBITDA$37Â $258Â $104Â $468Â June 30, 2024 | 43Table of ContentsReconciliation of Petroleum Segment Gross Profit to Refining MarginThree Months EndedJune 30,Six Months EndedJune 30,(in millions)2024202320242023Net sales$1,795Â $2,000Â $3,517Â $3,993Â Less:Cost of materials and other(1,610)(1,667)(3,041)(3,249)Direct operating expenses (exclusive of depreciation and amortization)(118)(100)(221)(204)Depreciation and amortization(43)(45)(92)(91)Gross profit24Â 188Â 163Â 449Â Add:Direct operating expenses (exclusive of depreciation and amortization)118Â 100Â 221Â 204Â Depreciation and amortization43Â 45Â 92Â 91Â Refining margin$185Â $333Â $476Â $744Â (1)The Petroleum Segmentâ€™s basis for determining inventory value under GAAP is First-In, First-Out (â€œFIFOâ€). Changes in crude oil prices can cause fluctuations in the inventory valuation of crude oil, work in process and finished goods, thereby resulting in a favorable inventory valuation impact when crude oil prices increase and an unfavorable inventory valuation impact when crude oil prices decrease. The inventory valuation impact is calculated based upon inventory values at the beginning of the accounting period and at the end of the accounting period. In order to derive the inventory valuation impact per total throughput barrel, we utilize the total dollar figures for the inventory valuation impact and divide by the number of total throughput barrels for the period.Reconciliation of Petroleum Segment Total Throughput Barrels and Metrics per Total Throughput BarrelThree Months EndedJune 30,Six Months EndedJune 30,2024202320242023Total throughput barrels per day186,208Â 201,075Â 190,999Â 198,797Â Days in the period91Â 91Â 182Â 181Â Total throughput barrels16,944,862Â 18,297,814Â 34,761,961Â 35,982,294Â (in millions, except per total throughput barrel)Refining margin$185Â $333Â $476Â $744Â Refining margin per total throughput barrel$10.94Â $18.21Â $13.68Â $20.68Â Direct operating expenses (exclusive of depreciation and amortization)$118Â $100Â $221Â $204Â Direct operating expenses per total throughput barrel$6.94Â $5.46Â $6.34Â $5.68Â Reconciliation of Nitrogen Fertilizer Segment Net Income to EBITDA and Adjusted EBITDAThree Months EndedJune 30,Six Months EndedJune 30,(in millions)2024202320242023Nitrogen Fertilizer net income$26Â $60Â $39Â $162Â Interest expense, net8Â 7Â 15Â 14Â Depreciation and amortization20Â 20Â 39Â 35Â Nitrogen Fertilizer EBITDA and Adjusted EBITDA$54Â $87Â $93Â $211Â June 30, 2024 | 44Table of ContentsLiquidity and Capital ResourcesOur principal source of liquidity has historically been cash from operations. Our principal uses of cash are for working capital, capital expenditures, funding our debt service obligations, and paying dividends to our stockholders, as further discussed below.While the volatility in commodity pricing has had a favorable impact on our business and has not significantly impacted our primary source of liquidity, there is still uncertainty on the horizon due to the potential for recession driven demand destruction and any potential implications of geopolitical matters. We continue to maintain our focus on safe and reliable operations, maintain an appropriate level of cash to fund ongoing operations, and protect our balance sheet. As a result of these factors, the Board elected to declare a $0.50 per share quarterly cash dividend for the second quarter of 2024. This decision supports the Companyâ€™s continued focus on financial discipline through a balanced approach of evaluation of strategic investment opportunities and stockholder dividends while maintaining adequate capital requirements for ongoing operations throughout this environment of uncertainty. The Board will continue to evaluate the economic environment, the Companyâ€™s cash needs, optimal uses of cash, and other applicable factors, and may elect to make additional changes to the Companyâ€™s dividend (if any) in future periods. Additionally, in executing financial discipline, we have successfully implemented and are maintaining the following measures:â€¢Focused on maintaining adequate liquidity to help mitigate the potential impact of adverse government actions such as the EPA unlawfully denying SREs;â€¢Focused refining maintenance capital expenditures to only include those projects which are a priority to support continuing safe and reliable operations, or which we consider required to support future activities;â€¢Focused future capital allocation to high-return assets and opportunities that advance participation in the energy industry transformation; andâ€¢Continued to focus on disciplined management of operational and general and administrative costs.When considering the market conditions and actions outlined above, we currently believe that our cash from operations and existing cash and cash equivalents, along with borrowings, as necessary, will be sufficient to satisfy anticipated cash requirements associated with our existing operations for at least the next 12 months. However, our future capital expenditures and other cash requirements could be higher than we currently expect as a result of various factors including, but not limited to, rising material and labor costs, the costs associated with complying with the RFSâ€™s outcome of litigation and other factors. Additionally, our ability to generate sufficient cash from our operating activities and secure additional financing depends on our future operational performance, which is subject to general economic, political, financial, competitive, and other factors, some of which may be beyond our control.Depending on the needs of our business, contractual limitations and market conditions, we may from time to time seek to issue equity securities, incur additional debt, issue debt securities, or redeem, repurchase, refinance, or retire our outstanding debt through privately negotiated transactions, open market repurchases, redemptions, exchanges, tender offers or otherwise, but we are under no obligation to do so. There can be no assurance that we will seek to do any of the foregoing or that we will be able to do any of the foregoing on terms acceptable to us or at all.The Company and its subsidiaries were in compliance with all applicable covenants under their respective debt instruments as of June 30, 2024 and through the date of filing, as applicable.We do not have any â€œoff-balance sheet arrangementsâ€ as such term is defined within the rules and regulations of the SEC.Cash Balances and Other LiquidityAs of June 30, 2024, we had total liquidity of approximately $887 million, consisting of consolidated cash and cash equivalents of $586 million, $251 million available under CVR Energyâ€™s Amended and Restated ABL Credit Agreement (the â€œCVR Energy ABLâ€), and $50 million available under CVR Partnersâ€™ Credit Agreement (the â€œCVR Partners ABLâ€). As of June 30, 2024 | 45Table of ContentsDecember 31, 2023, we had $581 million in cash and cash equivalents and $598 million of reserved funds that were utilized for the repayment of the 2025 Notes (as defined below). Long-term debt consisted of the following:(in millions)June 30, 2024December 31, 2023CVR Energy:5.75% Senior Notes, due February 2028$400Â $400Â 8.50% Senior Notes, due January 2029600Â 600Â Unamortized debt issuance costs(5)(5)Total CVR Energy debt995Â 995Â Nitrogen Fertilizer Segment:6.125% Senior Secured Notes, due June 2028550Â 550Â Unamortized debt issuance costs(2)(3)Total Nitrogen Fertilizer Segment debt548Â 547Â Total long-term debt1,543Â 1,542Â Current portion of long-term debt (1)â€”Â 599Â Total long-term debt, including current portion$1,543Â $2,141Â (1)On February 15, 2024, CVR Energyâ€™s 5.25% Senior Notes, due 2025 (the â€œ2025 Notesâ€) were redeemed in full, at par, plus accrued and unpaid interest to the redemption date.CVR EnergyAs of June 30, 2024, CVR Energy has the 5.75% Senior Notes, due 2028, the 8.50% Senior Notes due 2029, and the CVR Energy ABL, the net proceeds of which may be used for general corporate purposes, which may include funding acquisitions, working capital and capital expenditures, share repurchases or distributions to our stockholders. Refer to Part I, Item 1, Note 8 (â€œLong-Term Debt and Finance Lease Obligationsâ€) of this Report and Part II, Item 8, Note 8 (â€œLong-Term Debt and Finance Lease Obligationsâ€) of our 2023 Form 10-K for further discussion.Nitrogen Fertilizer SegmentAs of June 30, 2024, the Nitrogen Fertilizer Segment has the 6.125% Senior Secured Notes, due June 2028 and the CVR Partners ABL, the proceeds of which may be used to fund working capital and capital expenditures and for other general corporate purposes. Refer to Part II, Item 8, Note 8 (â€œLong-Term Debt and Finance Lease Obligationsâ€) of our 2023 Form 10-K for further discussion. Capital SpendingWe divide capital spending needs into two categories: maintenance and growth. Maintenance capital spending includes non-discretionary maintenance projects and projects required to comply with environmental, health, and safety regulations. Growth capital projects generally involve an expansion of existing capacity and/or a reduction in direct operating expenses. We undertake growth capital spending based on the expected return on incremental capital employed. June 30, 2024 | 46Table of ContentsOur total capital expenditures for the six months ended June 30, 2024, along with our estimated expenditures for 2024, by segment, are as follows:Six Months EndedJune 30, 2024 Actual2024 EstimateMaintenanceGrowthTotal(in millions)MaintenanceGrowthTotalLowHighLowHighLowHighPetroleum$44Â $25Â $69Â $98Â $108Â $35Â $39Â $133Â $147Â Nitrogen Fertilizer9Â 1Â 10Â 29Â 31Â 11Â 12Â 40Â 43Â Other (1)4Â 9Â 13Â 11Â 15Â 11Â 15Â 22Â 30Â Total$57Â $35Â $92Â $138Â $154Â $57Â $66Â $195Â $220Â (1)Includes renewables spending for the Wynnewood Refineryâ€™s renewable feedstock pretreater project. As of June 30, 2024, Renewables does not meet the definition of a reportable segment as defined under Accounting Standards Codification Topic 280.Our estimated capital expenditures are subject to change due to changes in the cost, scope, and completion time for capital projects. For example, we may experience changes in labor or equipment costs necessary to comply with government regulations or to complete projects that sustain or improve the profitability of the refineries or facilities. We may also accelerate or defer some capital expenditures from time to time. Capital spending for CVR Partners is determined by the UAN GP Board. We will continue to monitor market conditions and make adjustments, if needed, to our current capital spending or turnaround plans.The Petroleum Segmentâ€™s planned turnaround at the Wynnewood Refinery commenced in February 2024 and was completed in March 2024. The Petroleum Segmentâ€™s total capitalized expenditures were $3 million and $11 million during the three months ended June 30, 2024 and 2023, respectively, and $42 million and $51 million during the six months ended June 30, 2024 and 2023, respectively. The next planned turnaround is currently scheduled to take place in 2025 at the Coffeyville Refinery. Cash RequirementsThere have been no material changes to the cash requirements disclosed in our Annual Report on Form 10-K for the year ended December 31, 2023, outside the ordinary course of business, except as follows:2025 Notes Redemption - On February 15, 2024, CVR Energy redeemed the outstanding 2025 Notes, at par, and settled accrued interest of approximately $16Â million to the date of redemption. Refer to Part I, Item 1, Note 8 (â€œLong-Term Debt and Finance Lease Obligationsâ€) of this Report for further discussion.Dividends to CVR Energy StockholdersDividends, if any, including the payment, amount and timing thereof, are determined at the discretion of the Board. IEP, through its ownership of the Companyâ€™s common stock, is entitled to receive dividends that are declared and paid by the Company based on the number of shares held at each record date. The following tables present quarterly and special dividends paid to the Companyâ€™s stockholders, including IEP, during 2024 and 2023 (amounts presented in table below may not add to totals presented due to rounding):Quarterly Dividends Paid (in millions)Related PeriodDate PaidQuarterly DividendsPer SharePublic StockholdersIEPTotal2023 - 4th QuarterMarch 11, 2024$0.50Â $17Â $33Â $50Â 2024 - 1st QuarterMay 20, 20240.50Â 17Â 33Â 50Â Total 2024 quarterly dividends$1.00Â $34Â $67Â $101Â June 30, 2024 | 47Table of ContentsQuarterly Dividends Paid (in millions)Related PeriodDate PaidQuarterly DividendPer SharePublic StockholdersIEPTotal2022 - 4th QuarterMarch 13, 2023$0.50Â $15Â $36Â $50Â 2023 - 1st QuarterMay 22, 20230.50Â 15Â 36Â 50Â 2023 - 2nd QuarterAugust 21, 20230.50Â 15Â 36Â 50Â 2023 - 3rd QuarterNovember 20, 20230.50Â 17Â 33Â 50Â Total 2023 quarterly dividends$2.00Â $61Â $140Â $201Â Special Dividends Paid (in millions)Related PeriodDate PaidSpecial DividendsPer SharePublic StockholdersIEPTotal2023 - 2nd QuarterAugust 21, 2023$1.00Â $29Â $71Â $101Â 2023 - 3rd QuarterNovember 20, 20231.50Â 51Â 100Â 151Â Total 2023 special dividends$2.50Â $80Â $171Â $251Â For the second quarter of 2024, the Company, upon approval by the Board on JulyÂ 29, 2024, declared a cash dividend of $0.50 per share, or $50Â million, which is payable AugustÂ 19, 2024 to shareholders of record as of AugustÂ 12, 2024. Of this amount, IEP will receive $33Â million due to its ownership interest in the Companyâ€™s shares.Distributions to CVR Partnersâ€™ UnitholdersDistributions, if any, including the payment, amount and timing thereof, and UAN GP Boardâ€™s distribution policy, including the definition of available cash, are subject to change at the discretion of the UAN GP Board. The following tables present quarterly distributions paid by CVR Partners to CVR Partnersâ€™ unitholders, including amounts received by the Company, during 2024 and 2023 (amounts presented in tables below may not add to totals presented due to rounding):Quarterly Distributions Paid (in millions)Related PeriodDate PaidQuarterly Distributions Per Common UnitPublicUnitholdersCVR EnergyTotal2023 - 4th QuarterMarch 11, 2024$1.68Â $11Â $7Â $18Â 2024 - 1st QuarterMay 20, 20241.92Â 13Â 7Â 20Â Total 2024 quarterly distributions$3.60Â $24Â $14Â $38Â Quarterly Distributions Paid (in millions)Related PeriodDate PaidQuarterly DistributionsÂ Per Common UnitPublic UnitholdersCVR EnergyTotal2022 - 4th QuarterMarch 13, 2023$10.50Â $70Â $41Â $111Â 2023 - 1st QuarterMay 22, 202310.43Â 70Â 41Â 110Â 2023 - 2nd QuarterAugust 21, 20234.14Â 28Â 16Â 44Â 2023 - 3rd QuarterNovember 20, 20231.55Â 10Â 6Â 16Â Total 2023 quarterly distributions$26.62Â $178Â $104Â $281Â For the second quarter of 2024, CVR Partners, upon approval by the UAN GP Board on JulyÂ 29, 2024, declared a distribution of $1.90 per common unit, or $20 million, which is payable AugustÂ 19, 2024 to unitholders of record as of AugustÂ 12, 2024. Of this amount, CVR Energy will receive approximately $7 million, with the remaining amount payable to public unitholders.June 30, 2024 | 48Table of ContentsCash FlowsThe following table sets forth our consolidated cash flows for the periods indicated below: Six Months Ended June 30,(in millions)20242023ChangeNet cash provided by (used in):Operating activities$258Â $614Â $(356)Investing activities(129)(130)1Â Financing activities(729)(243)(486)Net (decrease) increase in cash, cash equivalents, reserved funds and restricted cash(600)241Â $(841)Operating ActivitiesThe change in net cash provided by operating activities for the six months ended June 30, 2024 compared to the six months ended June 30, 2023 was driven primarily by lower income from operations, coupled with a decrease in net changes from working capital items. There was a decrease of $350 million in cash from operating activities after adjusting the $299 million decrease in net income for the effects of the period-to-period net changes in non-cash items which was primarily a result of decreased deferred income taxes during 2024. The decrease in working capital changes of $11 million was substantially attributable to higher decreases in inventory volumes in 2024 impacted by the fire at the Wynnewood Refinery, the reduction of income tax receivables due to overestimated tax payments in 2022, and the reduction of accrued income taxes resulting from decreased income from operations.Investing ActivitiesThe change in net cash used in investing activities for the six months ended June 30, 2024 compared to the six months ended June 30, 2023 was due to a $16Â million decrease in distributions from the CVR Partnersâ€™ equity method investment associated with the 45Q Transaction during 2024, offset by a decrease in our turnaround expenditures of $6 million in 2024 compared to 2023, a decrease in capital expenditures of $10 million, and proceeds received of $1 million from fixed asset sales.Financing ActivitiesThe change in net cash used for financing activities for the six months ended June 30, 2024 compared to the net cash used in financing activities for the six months ended June 30, 2023 was primarily due to the $600 million redemption of the 2025 Notes in 2024. This was partially offset by a decrease in dividends paid to CVR Partners noncontrolling interest holders of $116Â million during 2024 compared to 2023.Critical Accounting EstimatesOur critical accounting estimates are disclosed in the â€œCritical Accounting Estimatesâ€ section of our 2023 Form 10-K. No modifications have been made during the three and six months ended June 30, 2024 to these estimates. ItemÂ 3.Â Â Quantitative and Qualitative Disclosures About Market RiskThere have been no material changes to our market risks as of and for the three and six months ended June 30, 2024, as compared to the risks discussed in Part II, Item 7A of our 2023 Form 10-K. ItemÂ 4.Â Â Controls and ProceduresEvaluation of Disclosure Controls and ProceduresThe Company has evaluated, under the direction and with the participation of the Chief Executive Officer and Chief Financial Officer, the effectiveness of our disclosure controls and procedures, as defined in Exchange Act RuleÂ 13a-15(e) and June 30, 2024 | 49Table of Contents15d-15(e). Based upon this evaluation, the Companyâ€™s Chief Executive Officer and Chief Financial Officer concluded that disclosure controls and procedures were effective as of June 30, 2024.Changes in Internal Control Over Financial ReportingThere have been no material changes in our internal controls over financial reporting required by RuleÂ 13a-15 of the Exchange Act that occurred during the fiscal quarter ended June 30, 2024 that materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.June 30, 2024 | 50Table of ContentsPARTÂ II. OTHER INFORMATIONItemÂ 1.Â Â Legal Proceedings See Part I, Item 1, Note 13 (â€œCommitments and Contingenciesâ€) of this Report, which is incorporated by reference into this Part II, Item 1, for a description of certain litigation, legal, and administrative proceedings and environmental matters.ItemÂ 1A. Risk FactorsThere have been no material changes from the risk factors previously disclosed in Part I, Item 1A of our 2023 Form 10-K. Additional risks and uncertainties, including risks and uncertainties not presently known to us, or that we currently deem immaterial, could also have an adverse effect on our business, financial condition, and/or results of operations.Item 5. Other InformationDuring the three months ended June 30, 2024, no director or officer of the Company adopted or terminated a â€œRule 10b5-1 trading arrangementâ€ or â€œnon-Rule 10b5-1 trading arrangementâ€, as each term is defined in Item 408(a) of Regulation S-K.ItemÂ 6.Â Â ExhibitsINDEX TO EXHIBITSExhibit NumberExhibit Description31.1*RuleÂ 13a-14(a)/15(d)-14(a) Certification of President and Chief Executive Officer.31.2*RuleÂ 13a-14(a)/15(d)-14(a) Certification of Executive Vice President, Chief Financial Officer, Treasurer and Assistant Secretary.31.3*RuleÂ 13a-14(a)/15(d)-14(a) Certification of Vice President, Chief Accounting Officer and Corporate Controller.32.1â€ Section 1350 Certification of President and Chief Executive Officer, Executive Vice President, Chief Financial Officer, Treasurer and Assistant Secretary, and Vice President, Chief Accounting Officer and Corporate Controller.101*The following financial information for CVR Energy, Inc.â€™s Quarterly Report on Form 10-Q for the quarter ended June 30, 2024 formatted Inline XBRL (â€œExtensible Business Reporting Languageâ€) includes: (i) Condensed Consolidated Balance Sheets (unaudited), (ii) Condensed Consolidated Statements of Operations (unaudited), (iii) Condensed Consolidated Statement of Changes in Equity (unaudited), (iv) Condensed Consolidated Statements of Cash Flows (unaudited) and (v) the Notes to Condensed Consolidated Financial Statements (unaudited), tagged in detail.104*Cover Page Interactive Data File (formatted as Inline XBRL and contained in Exhibit 101).*Filed herewith.â€ Furnished herewith.PLEASE NOTE: Pursuant to the rules and regulations of the SEC, we may file or incorporate by reference agreements as exhibits to the reports that we file with or furnish to the SEC. The agreements are filed to provide investors with information regarding their respective terms. The agreements are not intended to provide any other factual information about the Company, its business or operations. In particular, the assertions embodied in any representations, warranties and covenants contained in the agreements may be subject to qualifications with respect to knowledge and materiality different from those applicable to investors and may be qualified by information in confidential disclosure schedules not included with the exhibits. These disclosure schedules may contain information that modifies, qualifies and creates exceptions to the representations, warranties and covenants set forth in the agreements. Moreover, certain representations, warranties and covenants in the agreements may have been used for the purpose of allocating risk between the parties, rather than establishing matters as facts. In addition, information concerning the subject matter of the representations, warranties and covenants may have changed after the date of the respective agreement, which subsequent information may or may not be fully reflected in the Companyâ€™s public disclosures. Accordingly, investors should not rely on the representations, warranties and covenants in the agreements as characterizations of the actual state of facts about the Company, its business or operations on the date hereof.June 30, 2024 | 51Table of ContentsSIGNATURESPursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.CVR Energy, Inc.July 30, 2024By:/s/ Dane J. NeumannExecutive Vice President, Chief FinancialOfficer, Treasurer and Assistant Secretary(Principal Financial Officer)July 30, 2024By:/s/ Jeffrey D. ConawayVice President, Chief Accounting Officer and Corporate Controller(Principal Accounting Officer)June 30, 2024 | 52 EX-31.1 2 exhibit311-cviq22024.htm EX-31.1 DocumentExhibitÂ 31.1Certification of President and Chief Executive Officer Pursuant toRuleÂ 13a-14(a) or 15d-14(a) under the Securities Exchange Act of 1934,As Adopted Pursuant to SectionÂ 302 of the Sarbanes-Oxley Act of 2002I, David L. Lamp, certify that: 1.Â I have reviewed this report on FormÂ 10-Q of CVR Energy, Inc.;2.Â 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.Â 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.Â The registrant's other certifying officers and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act RulesÂ 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:a)Â 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)Â 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)Â evaluated the effectiveness of the registrant'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;Â andd)Â disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting;Â and5.Â The registrant's other certifying officers and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):a)Â 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 registrant's ability to record, process, summarize and report financial information;Â andb)Â any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.By:/s/ DAVID L. LAMPDavid L. LampPresident and Chief Executive Officer(Principal Executive Officer)Date: JulyÂ 30, 2024 EX-31.2 3 exhibit312-cviq22024.htm EX-31.2 DocumentExhibitÂ 31.2Certification of Executive Vice President, Chief Financial Officer, Treasurer and Assistant Secretary Pursuant to RuleÂ 13a-14(a) or 15d-14(a) under the Securities Exchange Act of 1934,As Adopted Pursuant to SectionÂ 302 of the Sarbanes-Oxley Act of 2002I, Dane J. Neumann, certify that: 1.Â I have reviewed this report on FormÂ 10-Q of CVR Energy, Inc.;2.Â 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.Â 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.Â The registrant's other certifying officers and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act RulesÂ 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:a)Â 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)Â 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)Â evaluated the effectiveness of the registrant'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;Â andd)Â disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting;Â and5.Â The registrant's other certifying officers and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):a)Â 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 registrant's ability to record, process, summarize and report financial information;Â andb)Â any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.By:/s/ DANE J. NEUMANNDane J. NeumannExecutive Vice President, Chief Financial Officer, Treasurer and Assistant Secretary(Principal Financial Officer)Date: JulyÂ 30, 2024 EX-31.3 4 exhibit313-cviq22024.htm EX-31.3 DocumentExhibitÂ 31.3Certification of Vice President, Chief Accounting Officer and Corporate Controller Pursuant to RuleÂ 13a-14(a) or 15d-14(a) under the Securities Exchange Act of 1934,As Adopted Pursuant to SectionÂ 302 of the Sarbanes-Oxley Act of 2002I, Jeffrey D. Conaway, certify that: 1.Â I have reviewed this report on FormÂ 10-Q of CVR Energy, Inc.;2.Â 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.Â 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.Â The registrant's other certifying officers and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act RulesÂ 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:a)Â 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)Â 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)Â evaluated the effectiveness of the registrant'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;Â andd)Â disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting;Â and5.Â The registrant's other certifying officers and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):a)Â 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 registrant's ability to record, process, summarize and report financial information;Â andb)Â any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.By:/s/ JEFFREY D. CONAWAYJeffrey D. ConawayVice President, Chief Accounting Officer and Corporate Controller(Principal Accounting Officer)Date: JulyÂ 30, 2024 EX-32.1 5 exhibit321-cviq22024.htm EX-32.1 DocumentExhibitÂ 32.1Certification Pursuant to 18Â U.S.C. SectionÂ 1350, As Adopted Pursuant to SectionÂ 906 of the Sarbanes-Oxley Act of 2002In connection with the filing of the Quarterly Report of CVR Energy, Inc., a Delaware corporation (the "Company"), on FormÂ 10-Q for the fiscal quarter ended June 30, 2024, as filed with the Securities and Exchange Commission on the date hereof (the "Report"),Â each of the undersigned officers of the Company certify, pursuant to 18Â U.S.C. SectionÂ 1350 as adopted pursuant to SectionÂ 906 of the Sarbanes-Oxley Act of 2002, that, to the best of such officer's knowledge and belief:1.Â The Report fully complies with the requirements of SectionÂ 13(a) or 15(d) of the Securities Exchange Act of 1934;Â and2.Â The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company as of the dates and for the periods expressed in the Report.By:/s/ DAVID L. LAMPDavid L. LampPresident and Chief Executive Officer(Principal Executive Officer)By:/s/ DANE J. NEUMANNDane J. NeumannExecutive Vice President, Chief Financial Officer, Treasurer and Assistant Secretary(Principal Financial Officer)By:/s/ JEFFREY D. CONAWAYJeffrey D. ConawayVice President, Chief Accounting Officer and Corporate Controller(Principal Accounting Officer)Dated: JulyÂ 30, 2024 EX-101.SCH 6 cvi-20240630.xsd XBRL TAXONOMY EXTENSION SCHEMA DOCUMENT 0000001 - Document - Cover link:presentationLink link:calculationLink link:definitionLink 9952151 - Statement - CONDENSED CONSOLIDATED BALANCE SHEETS link:presentationLink link:calculationLink link:definitionLink 9952152 - Statement - CONDENSED CONSOLIDATED BALANCE SHEETS (Parenthetical) link:presentationLink link:calculationLink link:definitionLink 9952153 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS link:presentationLink link:calculationLink link:definitionLink 9952154 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY link:presentationLink link:calculationLink

link:definitionLink 9952155 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY (Parenthetical) link:presentationLink link:calculationLink link:definitionLink 9952156 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS link:presentationLink link:calculationLink link:definitionLink 9952157 - Disclosure - Organization and Nature of Business link:presentationLink link:calculationLink link:definitionLink 9952158 - Disclosure - Basis of Presentation link:presentationLink link:calculationLink link:definitionLink 9952159 - Disclosure - Inventories link:presentationLink link:calculationLink link:definitionLink 9952160 - Disclosure - Property, Plant, and Equipment link:presentationLink link:calculationLink link:definitionLink 9952161 - Disclosure - Equity Method Investments link:presentationLink link:calculationLink link:definitionLink 9952162 - Disclosure - Leases link:presentationLink link:calculationLink link:definitionLink 9952163 - Disclosure - Other Current Liabilities link:presentationLink link:calculationLink link:definitionLink 9952164 - Disclosure - Long-Term Debt and Finance Lease Obligations link:presentationLink link:calculationLink link:definitionLink 9952165 - Disclosure - Revenue link:presentationLink link:calculationLink link:definitionLink 9952166 - Disclosure - Derivative Financial Instruments link:presentationLink link:calculationLink link:definitionLink 9952167 - Disclosure - Fair Value Measurements link:presentationLink link:calculationLink link:definitionLink 9952168 - Disclosure - Share-Based Compensation link:presentationLink link:calculationLink link:definitionLink 9952169 - Disclosure - Commitments and Contingencies link:presentationLink link:calculationLink link:definitionLink 9952170 - Disclosure - Business Segments link:presentationLink link:calculationLink link:definitionLink 9952171 - Disclosure - Supplemental Cash Flow Information link:presentationLink link:calculationLink link:definitionLink 9952172 - Disclosure - Related Party Transactions link:presentationLink link:calculationLink link:definitionLink 9954471 - Disclosure - Basis of Presentation (Policies) link:presentationLink link:calculationLink link:definitionLink 9954472 - Disclosure - Inventories (Tables) link:presentationLink link:calculationLink link:definitionLink 9954473 - Disclosure - Property, Plant, and Equipment (Tables) link:presentationLink link:calculationLink link:definitionLink 9954474 - Disclosure - Equity Method Investments (Tables) link:presentationLink link:calculationLink link:definitionLink 9954475 - Disclosure - Leases (Tables) link:presentationLink link:calculationLink link:definitionLink 9954476 - Disclosure - Other Current Liabilities (Tables) link:presentationLink link:calculationLink link:definitionLink 9954477 - Disclosure - Long-Term Debt and Finance Lease Obligations (Tables) link:presentationLink link:calculationLink link:definitionLink 9954478 - Disclosure - Revenue (Tables) link:presentationLink link:calculationLink link:definitionLink 9954479 - Disclosure - Derivative Financial Instruments (Tables) link:presentationLink link:calculationLink link:definitionLink 9954480 - Disclosure - Fair Value Measurements (Tables) link:presentationLink link:calculationLink link:definitionLink 9954481 - Disclosure - Share-Based Compensation (Tables) link:presentationLink link:calculationLink link:definitionLink 9954482 - Disclosure - Business Segments (Tables) link:presentationLink link:calculationLink link:definitionLink 9954483 - Disclosure - Supplemental Cash Flow Information (Tables) link:presentationLink link:calculationLink link:definitionLink 9954484 - Disclosure - Related Party Transactions (Tables) link:presentationLink link:calculationLink link:definitionLink 9954485 - Disclosure - Organization and Nature of Business (Details) link:presentationLink link:calculationLink link:definitionLink 9954486 - Disclosure - Basis of Presentation (Details) link:presentationLink link:calculationLink link:definitionLink 9954487 - Disclosure - Inventories (Details) link:presentationLink link:calculationLink link:definitionLink 9954488 - Disclosure - Property, Plant, and Equipment - Schedule of Property, Plant, and Equipment (Details) link:presentationLink link:calculationLink link:definitionLink 9954489 - Disclosure - Property, Plant, and Equipment - Additional Information (Details) link:presentationLink link:calculationLink link:definitionLink 9954490 - Disclosure - Equity Method Investments - Additional Information (Details) link:presentationLink link:calculationLink link:definitionLink 9954491 - Disclosure - Equity Method Investments - Schedule of Equity Method Investments (Details) link:presentationLink link:calculationLink link:definitionLink 9954492 - Disclosure - Leases - Balance Sheet Summary (Details) link:presentationLink link:calculationLink link:definitionLink 9954493 - Disclosure - Leases - Lease Expense (Details) link:presentationLink link:calculationLink link:definitionLink 9954494 - Disclosure - Leases - Additional Information (Details) link:presentationLink link:calculationLink link:definitionLink 9954495 - Disclosure - Other Current Liabilities (Details) link:presentationLink link:calculationLink link:definitionLink 9954496 - Disclosure - Long-Term Debt and Finance Lease Obligations - Schedule of Long-term Debt (Details) link:presentationLink link:calculationLink link:definitionLink 9954497 - Disclosure - Long-Term Debt and Finance Lease Obligations - Credit Agreement (Details) link:presentationLink link:calculationLink link:definitionLink 9954498 - Disclosure - Long-Term Debt and Finance Lease Obligations - CVR Energy (Details) link:presentationLink link:calculationLink link:definitionLink 9954499 - Disclosure - Revenue - Revenue Disaggregated by Major Product (Details) link:presentationLink link:calculationLink link:definitionLink 9954500 - Disclosure - Revenue - Remaining Performance Obligation (Details) link:presentationLink link:calculationLink link:definitionLink 9954500 - Disclosure - Revenue - Remaining Performance Obligation (Details) link:presentationLink link:calculationLink link:definitionLink 9954501 - Disclosure - Revenue - Revenue from Contracts with Customers (Details) link:presentationLink link:calculationLink link:definitionLink 9954502 - Disclosure - Revenue - Additional Information (Details) link:presentationLink link:calculationLink link:definitionLink 9954503 - Disclosure - Derivative Financial Instruments - Schedule of Outstanding Positions Held (Details) link:presentationLink link:calculationLink link:definitionLink 9954504 - Disclosure - Derivative Financial Instruments - Schedule of Offsetting Assets and Liabilities (Details) link:presentationLink link:calculationLink link:definitionLink 9954505 - Disclosure - Derivative Financial Instruments - Schedule of Gains (Losses) on Derivatives (Details) link:presentationLink link:calculationLink link:definitionLink 9954506 - Disclosure - Derivative Financial Instruments - Additional Information (Details) link:presentationLink link:calculationLink link:definitionLink 9954507 - Disclosure - Fair Value Measurements - Schedule of Assets and Liabilities Measured at Fair Value on a Recurring Basis (Details) link:presentationLink link:calculationLink link:definitionLink 9954508 - Disclosure - Fair Value Measurements - Additional Information (Details) link:presentationLink link:calculationLink link:definitionLink 9954509 - Disclosure - Share-Based Compensation (Details) link:presentationLink link:calculationLink link:definitionLink 9954510 - Disclosure - Commitments and Contingencies - Crude Oil Supply Agreement (Details) link:presentationLink link:calculationLink link:definitionLink 9954511 - Disclosure - Commitment and Contingencies - 45Q Transaction (Details) link:presentationLink link:calculationLink link:definitionLink 9954512 - Disclosure - Commitments and Contingencies - Renewable Fuel Standard (Details) link:presentationLink link:calculationLink link:definitionLink 9954513 - Disclosure - Commitments and Contingencies - Litigation (Details) link:presentationLink link:calculationLink link:definitionLink 9954514 - Disclosure - Business Segments - Additional Information (Details) link:presentationLink link:calculationLink link:definitionLink 9954515 - Disclosure - Business Segments - Schedule of Operating Results and Capital Expenditures by Segment (Details) link:presentationLink link:calculationLink link:definitionLink 9954516 - Disclosure - Supplemental Cash Flow Information - Schedule of Cash Flows Related to Income Taxes, Interest, Leases, Capital Expenditures, and Deferred Financing Costs Included in Accounts Payable, and Non-Cash Dividends (Details) link:presentationLink link:calculationLink link:definitionLink 9954517 - Disclosure - Supplemental Cash Flow Information - Cash, Cash Equivalents, and Restricted Cash (Details) link:presentationLink link:calculationLink link:definitionLink 9954518 - Disclosure - Related Party Transactions - Expenses from Related Parties (Details) link:presentationLink link:calculationLink link:definitionLink 9954519 - Disclosure - Related Party Transactions - Dividends to CVR Energy Stockholders (Details) link:presentationLink link:calculationLink link:definitionLink 9954520 - Disclosure - Related Party Transactions - Distributions to CVR Partners' Unitholders (Details) link:presentationLink link:calculationLink link:definitionLink EX-101.CAL 7 cvi-20240630_cal.xml XBRL TAXONOMY EXTENSION CALCULATION LINKBASE DOCUMENT EX-101.DEF 8 cvi-20240630_def.xml XBRL TAXONOMY EXTENSION DEFINITION LINKBASE DOCUMENT EX-101.LAB 9 cvi-20240630_lab.xml XBRL TAXONOMY EXTENSION LABEL LINKBASE DOCUMENT Environmental, Health, and Safety Matters Environmental Health And Safety Matters [Member] Represents information pertaining to the environmental, health, and safety matters. Distributions to CVR Partnersâ€™ noncontrolling interest holders Payments of Distributions to Affiliates Adjustments to reconcile net income to net cash provided by operating activities: Adjustments to Reconcile Net Income (Loss) to Cash Provided by (Used in) Operating Activities [Abstract] Statistical Measurement [Domain] Statistical Measurement [Domain] Related Party Transactions Related Party Transactions Disclosure [Text Block] Principal payments on senior secured notes Repayments of Long-Term Debt Total long-term debt and finance lease obligations, including current portion Long-Term Debt and Lease Obligation, Including Current Maturities Schedule of Lease Expense, Lease Terms, and Discount Rates Lease, Cost [Table Text Block] Current assets and liabilities Increase (Decrease) In Current Assets (Liabilities), Net Increase (Decrease) In Current Assets (Liabilities), Net Cover page. Cover [Abstract] Net (decrease) increase in cash, cash equivalents, reserved funds and restricted cash Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect CVR Partners CVR Partners LP [Member] Represents information pertaining to CVR Partners LP. Other current liabilities (including $29 and $37, respectively, of VIE) Other current liabilities Total other current liabilities Other Liabilities, Current Trading Symbol Trading Symbol Segment Reporting Information [Line Items] Segment Reporting Information [Line Items] Ownership percentage in joint venture Equity Method Investment, Ownership Percentage All Trading Arrangements All Trading Arrangements [Member] Long-term debt and finance lease obligations, net of current portion (including $548 and $547, respectively, of VIE) Long-term debt and finance lease obligations Total long-term debt and finance lease obligations, net of current portion Long-Term Debt and Lease Obligation Compensation Actually Paid vs. Net Income Compensation Actually Paid vs. Net Income [Text Block] Derivative assets Derivative Asset, Subject to Master Netting Arrangement, before Offset Non-NEOs Non-NEOs [Member] Variable Interest Entities Variable Interest Entity, Primary Beneficiary [Member] Rule 10b5-1 Arrangement Adopted Rule 10b5-1 Arrangement Adopted [Flag] Dividends declared per share (in dollars per share) Common Stock, Dividends, Per Share, Declared Awards Close in Time to MNPI Disclosures Awards Close in Time to MNPI Disclosures [Table] Derivative [Line Items] Derivative [Line Items] Cash paid for income taxes, net of refunds Income Taxes Paid, Net Dividends, cash Dividends, Cash Schedule of Share-Based Compensation Expense Share-Based Payment Arrangement, Cost by Plan [Table Text Block] Position [Axis] Position [Axis] Distributions from CVR Partners to its public unitholders Noncontrolling Interest, Decrease from Distributions to Noncontrolling Interest Holders Balance at beginning of period Balance at end of period Equity Method Investments Pay vs Performance Disclosure [Line Items] Majority Shareholder Dividends Majority Shareholder [Member] Line of Credit Facility [Table] Line of Credit Facility [Table] Peer Group Total Shareholder Return Amount Peer Group Total Shareholder Return Amount Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date [Axis] Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date [Axis] Derivative [Table] Derivative [Table] Organization and Nature of Business Organization, Consolidation and Presentation of Financial Statements Disclosure [Text Block] Non-Rule 10b5-1 Arrangement Adopted Non-Rule 10b5-1 Arrangement Adopted [Flag] Futures Future [Member] Fair Value Measurements Fair Value Disclosures [Text Block] Reserved funds for debt payment Reserved funds Reserved Funds For Debt Payments Reserved Funds For Debt Payments Award Timing Disclosures [Line Items] Commodity derivative instruments Derivative, Gain (Loss) on Derivative, Net Investment, Name [Domain] Investment, Name [Domain] Other Performance Measure, Amount Other Performance Measure, Amount Crude Crude Oil [Member] Other revenue Service, Other [Member] Urea products Product, Other Urea Products [Member] Product, Other Urea Products [Member] Pipelines and storage Pipelines And Storage Tanks [Member] Pipelines and Storage Tanks [Member] Leases Lessee, Operating Leases [Text Block] Beginning balance (in shares) Ending balance (in shares) Common Stock, Shares, Outstanding Quarterly dividends per share (in dollars per share) Common Stock, Dividends, Per Share, Cash Paid, Related To Quarterly Results Common Stock, Dividends, Per Share, Cash Paid, Related To Quarterly Results Operating lease expense Operating Lease, Cost Cost of materials and other Cost, Direct Material Interest expense, net Interest Income (Expense), Operating ROU finance leases Finance Lease, Right-of-Use Asset, before Accumulated Amortization Contracted Volume Contracted Volume [Member] Contracted Volume [Member] Cash distributions Cash Distributions From Equity Method Investment Cash Distributions From Equity Method Investment NYMEX 2-1-1 Cracks NYMEX 2-1-1 Cracks [Member] NYMEX 2-1-1 Cracks Loss on asset disposal Gain (Loss) on Disposition of Property Plant Equipment, Excluding Oil and Gas Property and Timber Property Cash flows from financing activities: Net Cash Provided by (Used in) Financing Activities, Continuing Operations [Abstract] Interest expense on lease liability Finance Lease, Interest Expense Revenue from Contract with Customer [Abstract] Revenue from Contract with Customer [Abstract] Deferred revenue Contract with Customer, Liability, Current Plan Name [Domain] Plan Name [Domain] Energy [Axis] Energy [Axis] Other long-term assets (including $48 and $48, respectively, of VIE) Other long-term assets Other Assets, Noncurrent Entity Tax Identification Number Entity Tax Identification Number Leases [Abstract] Leases [Abstract] Schedule of Long-term debt and Finance Lease Obligations Schedule of Long-Term Debt Instruments [Table Text Block] Collateral netting Derivative Liability, Subject to Master Netting Arrangement, Collateral, Right to Reclaim Cash Offset Operating Segments Operating Segments [Member] 6.125% Senior Secured Notes, due June 2028 Six Point One Two Five Percent Notes Due June 2028 [Member] Six Point One Two Five Percent Notes Due June 2028 Net cash provided by operating activities Net Cash Provided by (Used in) Operating Activities Treasury Stock Treasury Stock, Common [Member] Schedule of Outstanding Positions Held Schedule of Derivative Instruments [Table Text Block] Inter-segment fees and sales Intersegment Eliminations [Member] Plan Name [Axis] Plan Name [Axis] Other Stockholders' Equity, Other Prepaid expenses (including $6 and $8, respectively, of VIE) Prepaid expenses Prepaid Expense, Current Equity Components [Axis] Equity Components [Axis] Other current assets (including $1 and $1, respectively, of VIE) Other current assets Other Assets, Current Award Timing Method Award Timing Method [Text Block] Trading Arrangements, by Individual Trading Arrangements, by Individual [Table] Measurement Frequency [Axis] Measurement Frequency [Axis] Proceeds from distribution Proceeds from Limited Partnership Investments Entity Common Stock, Shares Outstanding Entity Common Stock, Shares Outstanding Insider Trading Policies and Procedures [Line Items] Collateral netting Derivative Asset, Subject to Master Netting Arrangement, Collateral, Obligation to Return Cash, Offset Against Derivative Asset Incentive Unit Awards Incentive Unit Award [Member] Incentive Unit Award [Member] Cash, cash equivalents, and reserved funds, fair value Cash, Cash Equivalents, and Reserved Funds, Fair Value Disclosure Cash, Cash Equivalents, and Reserved Funds, Fair Value Disclosure NYMEX RBOB Cracks NYMEX RBOB Cracks [Member] NYMEX RBOB Cracks Adjustment to Compensation, Amount Adjustment to Compensation Amount Additional paid-in-capital Additional Paid in Capital, Common Stock Compensation Amount Outstanding Recovery Compensation Amount Noncash investing and financing activities: Cash Flow, Noncash Investing and Financing Activities Disclosure [Abstract] Aggregate Change in Present Value of Accumulated Benefit for All Pension Plans Reported in Summary Compensation Table Aggregate Change in Present Value of Accumulated Benefit for All Pension Plans Reported in Summary Compensation Table [Member] Schedule of Contract with Customer, Liability, Activity [Table] Schedule Of Contract With Customer, Liability, Activity [Table] Schedule of Contract with Customer, Liability, Activity [Table] Entity Small Business Entity Small Business Company Selected Measure Amount Company Selected Measure Amount Tabular List, Table Tabular List [Table Text Block] Outstanding notional buy (sell) positions Derivative, Nonmonetary Notional Amount Level 3 Fair Value, Inputs, Level 3 [Member] Share-Based Compensation Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Fair value of collateral for derivative liabilities Derivative Liability, Fair Value of Collateral Unrealized loss (gain) on derivatives, net Unrealized Gain (Loss) on Derivatives Aggregate Grant Date Fair Value of Equity Award Amounts Reported in Summary Compensation Table Aggregate Grant Date Fair Value of Equity Award Amounts Reported in Summary Compensation Table [Member] IEP IEP Energy LLC [Member] Represents the details pertaining to IEP Energy LLC, who is the offeror in the tender offer for the purchase of outstanding shares of common stock of the CVR Energy. Lessee, Lease, Description [Line Items] Lessee, Lease, Description [Line Items] CVR Energy CVR Energy [Member] CVR Energy Ammonia Product, Ammonia [Member] Product, Ammonia [Member] Credit Facility [Domain] Credit Facility [Domain] Cash, cash equivalents, reserved funds and restricted cash, beginning of period Cash, cash equivalents and restricted cash, end of period Cash, cash equivalents, reserved funds and restricted cash Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents Current assets: Assets, Current [Abstract] Consolidation Items [Axis] Consolidation Items [Axis] Inventories Inventory Disclosure [Text Block] Treasury stock, common shares (in shares) Treasury Stock, Common, Shares Forgone Recovery due to Disqualification of Tax Benefits, Amount Forgone Recovery due to Disqualification of Tax Benefits, Amount Change in turnaround expenditures included in accounts payable Increase (Decrease) In Accounts Payable, Turnaround Expenditures Increase (Decrease) In Accounts Payable, Turnaround Expenditures Product and Service [Domain] Product and Service [Domain] Employee Stock Option Share-Based Payment Arrangement, Option [Member] Short-term lease expense Short-Term Lease, Cost Fair Value Disclosures [Abstract] Collaborative Arrangement, Transaction with Party to Collaborative Arrangement and Third Party Collaborative Arrangement, Transaction with Party to Collaborative Arrangement and Third Party [Member] Other financing activities Proceeds from (Payments for) Other Financing Activities Accrued income taxes Accrued Income Taxes, Current Security Exchange Name Security Exchange Name Award Type [Axis] Award Type [Axis] In-process inventories Inventory, Work in Process, Net of Reserves Noncontrolling interest Equity, Attributable to Noncontrolling Interest Schedule of Cash and Cash Equivalents Schedule of Cash and Cash Equivalents [Table Text Block] Common stock, par value (in dollars per share) Common Stock, Par or Stated Value Per Share Forgone Recovery, Explanation of Impracticability Forgone Recovery, Explanation of Impracticability [Text Block] Schedule of Share-based Compensation Arrangements by Share-based Payment Award [Table] Schedule of Share-Based Compensation Arrangements by Share-Based Payment Award [Table] Proceeds from dividends received Proceeds from Dividends Received Revolving Credit Facility Revolving Credit Facility [Member] Expiration Date Trading Arrangement Expiration Date Subsequent Events Subsequent Events, Policy [Policy Text Block] Operating lease liabilities Operating Lease, Liability, Current Total Shareholder Return Amount Total Shareholder Return Amount Finance Leases Lessee, Finance Lease, Description [Abstract]

Common stock, issued (in shares) Common Stock, Shares, Issued Entity [Domain] Entity [Domain] Equity Awards Adjustments, Footnote Equity Awards Adjustments, Footnote [Text Block] Volume contracted under crude oil supply agreement as percentage of total crude oil purchases Concentration Risk, Percentage Total Available Borrowing Capacity Line of Credit Facility, Maximum Borrowing Capacity Insider Trading Policies and Procedures Adopted Insider Trading Policies and Procedures Adopted [Flag] Property, plant and equipment, gross Property, Plant and Equipment, Gross Offsetting Assets And Liabilities [Line Items] Offsetting Assets And Liabilities [Line Items] [Line Items] for Offsetting Assets And Liabilities [Table] Debt Instrument [Line Items] Debt Instrument [Line Items] Named Executive Officers, Footnote Named Executive Officers, Footnote [Text Block] Common stock, authorized (in shares) Common Stock, Shares Authorized Midway Joint Venture Agreement Midway Joint Venture Agreement [Member] Midway Joint Venture Agreement Less: Accumulated depreciation and amortization Property, Plant, and Equipment and Finance Lease Right-of-Use Asset, Accumulated Depreciation and Amortization Basis of Presentation Basis of Accounting, Policy [Policy Text Block] Cash distribution for CVRP JV Proceeds From Equity Method Investment, Distribution For Exceeding Milestones Proceeds From Equity Method Investment, Distribution For Exceeding Milestones Diluted (in shares) Weighted Average Number of Shares Outstanding, Diluted MNPI Disclosure Timed for Compensation Value MNPI Disclosure Timed for Compensation Value [Flag] Turnaround expenditures Payments For Turnaround Costs Payments For Turnaround Costs Long-term Debt, Type [Axis] Long-Term Debt, Type [Axis] Total CVR stockholdersâ€™ equity Equity, Attributable to Parent Schedule of Cash Flows Related to Income Taxes, Interest, Leases, Capital Expenditures, and Deferred Financing Costs included in Accounts Payable, and Non-Cash Dividends Schedule of Cash Flow, Supplemental Disclosures [Table Text Block] Finance lease expense: Finance Lease, Cost1 [Abstract] Finance Lease, Cost1 [Abstract] Related Party Related Party [Member] Litigation Case [Axis] Litigation Case [Axis] Cash flows from investing activities: Net Cash Provided by (Used in) Investing Activities, Continuing Operations [Abstract] Balance Sheet Location [Axis] Statement of Financial Position Location, Balance [Axis] Operating Leases Lessee, Operating Lease, Description [Abstract] Deferred income taxes Deferred Income Tax Expense (Benefit) Property, Plant, and Equipment Property, Plant and Equipment Disclosure [Text Block] Concentration Risk Type [Domain] Concentration Risk Type [Domain] Freight revenue Product, Freight Revenue [Member] Product, Freight Revenue [Member] Outstanding Letters of Credit Letters of Credit Outstanding, Amount Selling, general and administrative expenses (exclusive of depreciation and amortization) Selling, General and Administrative Expense Recurring Fair Value, Recurring [Member] Accounts receivable, net (including $48 and $42, respectively, of VIE) Accounts receivable, net Accounts Receivable, after Allowance for Credit Loss, Current Revenue from product sales Product [Member] Long-term debt Long-Term Debt Pension Adjustments Prior Service Cost Pension Adjustments Prior Service Cost [Member] Document Fiscal Period Focus Document Fiscal Period Focus All Executive Categories All Executive Categories [Member] Balance Sheet Location [Domain] Statement of Financial Position Location, Balance [Domain] Changed Peer Group, Footnote Changed Peer Group, Footnote [Text Block] ASSETS Assets [Abstract] Document Type Document Type Derivative Contract [Domain] Derivative Contract [Domain] Quarterly distributions paid Distribution Made to Limited Partner, Cash Distributions Paid Pension Benefits Adjustments, Footnote Pension Benefits Adjustments, Footnote [Text Block] Schedule of Operating Results and Capital Expenditures Information by Segment Schedule of Segment Reporting Information, by Segment [Table Text Block] Total Shareholder Return Vs Peer Group Total Shareholder Return Vs Peer Group [Text Block] Basis of Presentation Basis of Accounting [Text Block] Percentage of interest held by the public Limited Liability Company LLC Or Limited Partnership LP Members Or Limited Partners Ownership Interest Held By Public The number of units or percentage investment of the limited partner interests held by the public. CVR Partners - Phantom Unit Awards Phantom Stock Units [Member] Phantom units awarded in an equity-based compensation plan arrangement. Schedule of Deferred Revenue from Contracts with Customers Contract with Customer, Contract Asset, Contract Liability, and Receivable [Table Text Block] Total CVR Stockholdersâ€™ Equity Parent [Member] CVR Energy Parent Company [Member] Maximum Maximum [Member] Equity Valuation Assumption Difference, Footnote Equity Valuation Assumption Difference, Footnote [Text Block] Furniture and fixtures Furniture and Fixtures [Member] Accounts payable (including $30 and $39, respectively, of VIE) Accounts payable, current Accounts Payable, Current Schedule of Derivative Offsetting Liabilities Offsetting Liabilities [Table Text Block] Current Fiscal Year End Date Current Fiscal Year End Date Cash, cash equivalents, and reserved funds, carrying value Cash, Cash Equivalents, and Reserved Funds, Carrying Value Cash, Cash Equivalents, and Reserved Funds, Carrying Value Statistical Measurement [Axis] Statistical Measurement [Axis] PEO Name PEO Name Non-Rule 10b5-1 Arrangement Terminated Non-Rule 10b5-1 Arrangement Terminated [Flag] Income before income tax expense Income (Loss) from Continuing Operations before Income Taxes, Noncontrolling Interest Non-PEO NEO Average Total Compensation Amount Non-PEO NEO Average Total Compensation Amount Award Type [Domain] Award Type [Domain] Name Outstanding Recovery, Individual Name Disaggregation of Revenue [Line Items] Disaggregation of Revenue [Line Items] Compensation Actually Paid vs. Company Selected Measure Compensation Actually Paid vs. Company Selected Measure [Text Block] Supplier Concentration Risk Supplier Concentration Risk [Member] Non-PEO NEO Non-PEO NEO [Member] Additional Paid-In Capital Additional Paid-in Capital [Member] Finance lease obligations, net of current portion Finance Lease, Liability, Noncurrent Award Timing Predetermined Award Timing Predetermined [Flag] Subsequent Event Type [Domain] Subsequent Event Type [Domain] Quarterly dividends paid Common Stock, Dividends, Cash Paid, Related To Quarterly Results Common Stock, Dividends, Cash Paid, Related To Quarterly Results Investment, Name [Axis] Investment, Name [Axis] Recent Accounting Pronouncements - Accounting Standards Issued But Not Yet Implemented New Accounting Pronouncements, Policy [Policy Text Block] Forecast Forecast [Member] Diluted earnings per share (in dollars per share) Earnings Per Share, Diluted Counterparty Name [Domain] Counterparty Name [Domain] Name Measure Name Entity Interactive Data Current Entity Interactive Data Current Restatement does not require Recovery Restatement Does Not Require Recovery [Text Block] Percentage of common units owned by wholly-owned subsidiary Limited Liability Company or Limited Partnership, Members or Limited Partners, Ownership Interest Ownership [Axis] Ownership [Axis] Public Unitholders Common Unitholders [Member] Represent Common Unitholders. RFS obligation Renewable Fuel Standards Obligation, Current Renewable Fuel Standards Obligation, Current Schedule of Assets and Liabilities Measured at Fair Value on a Recurring Basis Schedule of Fair Value, Assets and Liabilities Measured on Recurring Basis [Table Text Block] Disaggregation of Revenue [Table] Disaggregation of Revenue [Table] Statement of Financial Position [Abstract] Statement of Financial Position [Abstract] Share-based compensation Share-Based Payment Arrangement, Noncash Expense Net value Derivative Liability, Subject to Master Netting Arrangement, after Offset Derivate asset, subject to master netting arrangement, collateral, obligation to return security not offset Derivative Asset, Subject to Master Netting Arrangement, Collateral, Obligation to Return Security Not Offset Net income Net income Net income Net Income (Loss), Including Portion Attributable to Noncontrolling Interest Pipeline capacity, barrels per day Equity Method Investment, Capacity, Barrels Per Day Equity Method Investment, Capacity, Barrels Per Day Income tax (benefit) expense Income Tax Expense (Benefit) Other (expense) income: Nonoperating Income (Expense) [Abstract] Stated interest rate Debt Instrument, Interest Rate, Stated Percentage NYMEX Diesel Cracks NYMEX Diesel Cracks [Member] NYMEX Diesel Cracks Repayments of senior debt Repayments of Senior Debt Other / Elimination Segment Reporting, Reconciling Item, Corporate Nonsegment [Member] Supplemental disclosures: Supplemental Cash Flow Information [Abstract] Enable JV Enable South Central Pipeline, LLC (Enable JV) [Member] Enable South Central Pipeline, LLC (Enable JV) Revenue from product sales Revenue from Contract with Customer, Excluding Assessed Tax Distillates Product, Distillates [Member] Product, Distillates [Member] CRNF CRNF [Member] CRNF Schedule of Net (Losses) Gains on Derivatives Derivative Instruments, Gain (Loss) [Table Text Block] Concentration Risk Benchmark [Domain] Concentration Risk Benchmark [Domain] Interest costs capitalized Interest Costs Capitalized Finance lease, liability, noncurrent, statement of financial position [extensible list] Finance Lease, Liability, Noncurrent, Statement of Financial Position [Extensible Enumeration] Net cash used in investing activities Net Cash Provided by (Used in) Investing Activities Operating income Operating income (loss) Operating Income (Loss) Capital expenditures Payments for Productive Assets, Including Capital Expenditures Incurred But Not yet Paid Payments for Productive Assets, Including Capital Expenditures Incurred But Not yet Paid Number of reportable segments Number of Reportable Segments Total liabilities and equity Liabilities and Equity Rule 10b5-1 Arrangement Terminated Rule 10b5-1 Arrangement Terminated [Flag] All Adjustments to Compensation All Adjustments to Compensation [Member] Fair Value Hierarchy and NAV [Axis] Fair Value Hierarchy and NAV [Axis] Personnel accruals Employee-related Liabilities, Current Schedule of Right of Use Asset and Lease Liability Balances for Operating and Finance Leases Assets And Liabilities, Lessee [Table Text Block] Assets and Liabilities, Lessee [Table Text Block] Schedule of Equity Method Investments Equity Method Investments [Table Text Block] Organization, Consolidation, and Presentation of Financial Statements [Line Items] Organization, Consolidation, And Presentation Of Financial Statements [Line Items] [Line Items] for Organization, Consolidation, and Presentation of Financial Statements [Table] Schedule of Distributions Paid Distributions Made to Limited Partner, by Distribution [Table Text Block] Derivatives Derivative Liability, Current Derivative Financial Instruments Derivative Instruments and Hedging Activities Disclosure [Text Block] Derivative Instruments, Gain (Loss) [Table] Derivative Instruments, Gain (Loss) [Table] Commitments and Contingencies Disclosure [Abstract] Commitments and Contingencies Disclosure [Abstract] Legal Entity [Axis] Legal Entity [Axis] Dividends to CVR Energyâ€™s stockholders Dividends Payments of Dividends Interest expense, net Interest Income (Expense), Nonoperating Current portion of long-term debt and finance lease obligations Current portion of finance lease obligations Long-Term Debt and Lease Obligation, Current Cash paid for amounts included in the measurement of lease liabilities: Cash Flow, Lessee [Abstract] Cash Flow, Lessee [Abstract] Expense (benefit) for compliance with RFS Expense (Benefit) For Compliance With Renewable Fuel Standard Expense (Benefit) For Compliance With Renewable Fuel Standard CVR Energyâ€™s Amended and Restated ABL Credit Agreement (â€œCVR Energy ABLâ€) Amended And Restated Asset Based Credit Agreement [Member] Amended And Restated Asset Based Credit Agreement [Member] Proceeds from notes payable Proceeds from Notes Payable Underlying Security Market Price Change Underlying Security Market Price Change, Percent Scenario [Domain] Scenario [Domain] Other revenue Operating Lease, Lease Income Individual: Individual [Axis] Commodity derivative instruments Commodity Contract [Member] Buildings and improvements Building and Building Improvements [Member] Restricted cash Restricted Cash Remaining performance obligation, expected timing of satisfaction, period Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Period Inventories (including $81 and $69, respectively, of VIE) Inventories Total inventories Inventory, Net Renewal term of agreement Collaborative Arrangement, Renewal Term Of Agreement Collaborative Arrangement, Renewal Term Of Agreement Product and Service [Axis] Product and Service [Axis] Long-term Debt, Type [Domain] Long-Term Debt, Type [Domain] Entity Address, State or Province Entity Address, State or Province Property, Plant, and Equipment Property, Plant and Equipment [Line Items] Statement [Line Items] Statement [Line Items] Derivative Instruments and Hedging Activities Disclosure [Abstract] Derivative Instruments and Hedging Activities Disclosure [Abstract] Other / Elimination Corporate And Eliminations [Member] Corporate And Eliminations Schedule of Equity Method Investments [Line Items] Schedule of Equity Method Investments [Line Items] Erroneous Compensation Analysis Erroneous Compensation Analysis [Text Block] Schedule of Related Party Transactions Schedule of Related Party Transactions [Table Text Block] Schedule of Contract with Customer, Liability, Activity [Line Items] Schedule Of Contract With Customer, Liability, Activity [Line Items] [Line Items] for Schedule of Contract with Customer, Liability, Activity [Table] Schedule of Property, Plant and Equipment Property, Plant and Equipment [Table Text Block] Compensation Actually Paid vs. Total Shareholder Return Compensation Actually Paid vs. Total Shareholder Return [Text Block] LIABILITIES AND EQUITY Liabilities and Equity [Abstract] CVRP JV CO Contract CVRP JV CO Contract [Member] CVRP JV CO Contract Unamortized debt issuance costs Debt Instrument, Unamortized Discount (Premium) and Debt Issuance Costs, Net Fees threshold cap Collaborative Arrangement, Fees Threshold Cap Collaborative Arrangement, Fees Threshold Cap Minimum Minimum [Member] Restatement Determination Date Restatement Determination Date Railcars Railcars [Member] Railcars [Member] Adoption Date Trading Arrangement Adoption Date Pay vs Performance Disclosure Pay vs Performance Disclosure [Table] Long-term deferred revenue Contract with Customer, Liability, Noncurrent Related Party Transactions [Abstract] Related Party Transactions [Abstract] Schedule of Property, Plant and Equipment [Table] Property, Plant and Equipment [Table] Gasoline Product, Gasoline [Member] Product, Gasoline [Member] ROU assets, net Operating Lease, Right-of-Use Asset Erroneously Awarded Compensation Recovery Erroneously Awarded Compensation Recovery [Table] Derivative Instruments, Gain (Loss) [Line Items] Derivative Instruments, Gain (Loss) [Line Items] Segments [Axis] Segments [Axis] Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year [Member] Enable Joint Venture Transportation Agreement Enable Joint Venture Transportation Agreement [Member] Joint Venture Transportation Agreement CVR Partners estimated fair value of consideration Payments to Acquire Equity Method Investments Derivative Instrument [Axis] Derivative Instrument [Axis] Property, Plant and Equipment [Abstract] Property, Plant and Equipment [Abstract] Return of equity method investment Proceeds from Equity Method Investment, Distribution, Return of Capital Exercise Price Award Exercise Price Arrangement Duration Trading Arrangement Duration Subsequent Event Subsequent Event [Member] Leases Lessee, Finance Leases [Text Block] Operating costs and expenses: Costs and Expenses [Abstract] CVR Energy stockholdersâ€™ equity: Equity, Attributable to Parent [Abstract] Peer Group Issuers, Footnote Peer Group Issuers, Footnote [Text Block] Segments [Domain] Segments [Domain] Ownership percentage held by controlling stockholder Majority Shareholder Ownership Percentage Represents the percentage of ownership interest held by the majority shareholder Material Terms of Trading Arrangement Material Terms of Trading Arrangement [Text Block] Lease liability Finance Lease, Liability All Individuals All Individuals [Member] CVRP JV CVR-CapturePoint Parent, LLC (CVRP JV) [Member] CVR-CapturePoint Parent, LLC (CVRP JV) PEO PEO [Member] Name Trading Arrangement, Individual Name Other income, net Other income, net Other Nonoperating Income (Expense) Statement of Stockholders' Equity [Abstract] Statement of Stockholders' Equity [Abstract] Property, Plant and Equipment, Type [Axis] Long-Lived Tangible Asset [Axis] Income from equity method investments Equity income Income (Loss) from Equity Method Investments Treasury stock, 98,610 shares at cost Treasury Stock, Common, Value Awards Close in Time to MNPI Disclosures, Table Awards Close in Time to MNPI Disclosures [Table Text Block] Prior Year End Fair Value of Equity Awards Granted in Any Prior Year that Fail to Meet Applicable Vesting Conditions During Covered Year Prior Year End Fair Value of Equity Awards Granted in Any Prior Year that Fail to Meet Applicable Vesting Conditions During Covered Year [Member] Related Party [Domain] Related and Nonrelated Parties [Domain] Total long-term liabilities Liabilities, Noncurrent Aggregate Erroneous Compensation Amount Aggregate Erroneous Compensation Amount CVR Services CVR Services, LLC [Member] CVR Services, LLC Depreciation and amortization Cost, Depreciation and Amortization Local Phone Number Local Phone Number Aggregate Erroneous Compensation Not Yet Determined Aggregate Erroneous Compensation Not Yet Determined [Text Block] UAN Product, UAN [Member] Product, UAN [Member] Deferred income taxes Deferred Income Tax Liabilities, Net Schedule of Equity Method Investments [Table] Equity Method Investment [Table] Aggregate fair value of derivative liabilities Derivative, Net Liability Position, Aggregate Fair Value Changes in assets and liabilities: Increase (Decrease) in Operating Capital [Abstract] Long-term liabilities: Liabilities, Noncurrent [Abstract] PEO Total Compensation Amount PEO Total Compensation Amount Derivative liabilities Derivative liabilities Derivative Liability, Subject to Master Netting Arrangement, before Offset Property, Plant and Equipment, Type [Domain] Long-Lived Tangible Asset [Domain] Quarterly distributions per common unit (in dollars per share) Distribution Made to Limited Partner, Distributions Paid, Per Unit Accrued interest Interest Payable, Current Special dividends paid Special Dividends, Value Special Dividends, Value Commitments and Contingencies Commitments and Contingencies Disclosure [Text Block] Pipeline length (in miles) Oil And Gas Property, Pipeline Length Oil And Gas Property, Pipeline Length Debt Disclosure [Abstract] Debt Disclosure [Abstract] Common Stock Common Stock [Member] Measure: Measure [Axis] Asset Class [Domain] Asset Class [Domain] Crude Oil Supply Agreement New Vitol Agreement [Member] Represents the information pertaining to amended and restated crude oil supply agreement (the "Vitol Agreement"). Forgone Recovery due to Expense of Enforcement, Amount Forgone Recovery due to Expense of Enforcement, Amount Line of Credit Line of Credit [Member] Entity Emerging Growth Company Entity Emerging Growth Company Distributions declared (in dollars per share) Distribution Made to Limited Partner, Distributions Declared, Per Unit Segment Reporting [Abstract] Segment Reporting [Abstract] Entity Central Index Key Entity Central Index Key Scenario [Axis] Scenario [Axis] Sell Position Short [Member] Offsetting Assets And Liabilities [Table] Offsetting Assets And Liabilities [Table] Offsetting Assets And Liabilities [Table] CVR GP CVR GP, LLC [Member] Represents the information pertaining to CVR GP, LLC. Schedule of Components of Inventories Schedule of Inventory, Current [Table Text Block] Equity Method Investments and Joint Ventures [Abstract] Equity Method Investments and Joint Ventures [Abstract] Lessee, Lease, Description [Table] Lessee, Lease, Description [Table] Other Current Liabilities Accounts Payable, Accrued Liabilities, and Other Liabilities Disclosure, Current [Text Block] Non-GAAP Measure Description Non-GAAP Measure Description [Text Block] Pipeline diameter (in inches) Oil And Gas Property, Pipeline Diameter Oil And Gas Property, Pipeline Diameter Non-PEO NEO Average Compensation Actually Paid Amount Non-PEO NEO Average Compensation Actually Paid Amount ROU assets, net Finance Lease, Right-of-Use Asset, after Accumulated Amortization Award Timing, How MNPI Considered Award Timing, How MNPI Considered [Text Block] Equity Component [Domain] Equity Component [Domain] Business Segments Segment Reporting Disclosure [Text Block] Additional 402(v) Disclosure Additional 402(v) Disclosure [Text Block] Percentage of common units owned by general partner Limited Liability Company (LLC) or Limited Partnership (LP), Managing Member or General Partner, Ownership Interest Entity Shell Company Entity Shell Company Entity Incorporation, State or Country Code Entity Incorporation, State or Country Code Schedule of Dividends Paid Dividends Declared [Table Text Block] Title

Trading Arrangement, Individual Title Equity Method Investments [Roll Forward] Equity Method Investments [Roll Forward] Equity Method Investments [Roll Forward] Consolidated Entities [Axis] Consolidated Entities [Axis] Statement [Table] Statement [Table] Counterparty Name [Axis] Counterparty Name [Axis] Measurement Frequency [Domain] Measurement Frequency [Domain] Consolidation Items [Domain] Consolidation Items [Domain] Real estate and other Real Estate [Member] Position [Domain] Position [Domain] City Area Code City Area Code Current liabilities: Liabilities, Current [Abstract] Net value Derivative Asset, Subject to Master Netting Arrangement, after Offset Cash paid for interest Interest Paid, Excluding Capitalized Interest, Operating Activities Property, plant and equipment, gross Property, Plant, and Equipment and Finance Lease Right-of-Use Asset, before Accumulated Depreciation and Amortization Insider Trading Policies and Procedures Not Adopted Insider Trading Policies and Procedures Not Adopted [Text Block] Capital expenditures Payments to Acquire Productive Assets Concentration Risk Benchmark [Axis] Concentration Risk Benchmark [Axis] Level 1 Fair Value, Inputs, Level 1 [Member] Total current assets Assets, Current Statement of Cash Flows [Abstract] Statement of Cash Flows [Abstract] Senior Notes Senior Notes [Member] Crude oil sales Service, Crude Oil Sales [Member] Service, Crude Oil Sales [Member] Organization, Consolidation, and Presentation of Financial Statements [Table] Organization, Consolidation, And Presentation Of Financial Statements [Table] Organization, Consolidation, and Presentation of Financial Statements [Table] Available Capacity Line of Credit Facility, Remaining Borrowing Capacity Schedule of Long-term Debt Instruments [Table] Schedule of Long-Term Debt Instruments [Table] Total debt Long-Term Debt, Excluding Current Maturities Schedule of Segment Reporting Information, by Segment [Table] Schedule of Segment Reporting Information, by Segment [Table] Accrued Renewable Fuel Standard (â€œRFSâ€) obligation Accrued Renewable Fuel Standards Obligation, Current Accrued Renewable Fuel Standards Obligation, Current Unrecorded unconditional purchase obligation Unrecorded Unconditional Purchase Obligation Subsequent Event Type [Axis] Subsequent Event Type [Axis] CVR Partners Long Term Incentive Plan CVR Partners Long Term Incentive Plan [Member] Represents the CVR Partners LTIP in which the employees, officers, consultants and directors of CVR Partners and its general partner and their respective subsidiaries parents are eligible to receive awards. Accrued taxes other than income taxes Accrual for Taxes Other than Income Taxes, Current Raw materials Inventory, Raw Materials, Net of Reserves Collaborative arrangement, fee threshold per year Collaborative Arrangement, Fee Threshold Per Year Collaborative Arrangement, Fee Threshold Per Year Accumulated deficit Retained Earnings (Accumulated Deficit) Finance lease, right-of-use asset, statement of financial position [extensible list] Finance Lease, Right-of-Use Asset, Statement of Financial Position [Extensible Enumeration] Purchase Commitments Long [Member] Related Party Transaction [Line Items] Related Party Transaction [Line Items] Supplemental Cash Flow Elements [Abstract] Supplemental Cash Flow Elements [Abstract] Organization, Consolidation and Presentation of Financial Statements [Abstract] Organization, Consolidation and Presentation of Financial Statements [Abstract] Aggregate Available Trading Arrangement, Securities Aggregate Available Amount Equity Awards Adjustments Equity Awards Adjustments [Member] Lease liability Operating Lease, Liability Net cash used in financing activities Net Cash Provided by (Used in) Financing Activities Underlying Securities Award Underlying Securities Amount Total long-term debt, net of current portion, before finance lease obligations, debt issuance costs and discount Long-term Debt, Excluding Current Maturities, Gross Long-term Debt, Excluding Current Maturities, Gross Credit Facility [Axis] Credit Facility [Axis] Direct operating expenses (exclusive of depreciation and amortization) Direct Operating Costs Dividends paid to CVR Energy stockholders Dividends, Common Stock, Cash Amendment Flag Amendment Flag Loss Contingency Nature [Axis] Loss Contingency Nature [Axis] Long-term debt, fair value Long-Term Debt, Fair Value Other products Products, Other [Member] Product, Other [Member] Entity Registrant Name Entity Registrant Name Loss on asset disposal Gain (Loss) on Disposition of Property Plant Equipment Cash flows from operating activities: Net Cash Provided by (Used in) Operating Activities, Continuing Operations [Abstract] Adjustment to Non-PEO NEO Compensation Footnote Adjustment to Non-PEO NEO Compensation Footnote [Text Block] Stock Appreciation Rights (SARs) Stock Appreciation Rights (SARs) [Member] Depreciation and amortization Depreciation and amortization expenses Depreciation, Depletion and Amortization Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Table] Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Table] Indemnity insurance, coverage limit Loss Contingency, Indemnity Insurance, Coverage Limit Loss Contingency, Indemnity Insurance, Coverage Limit Schedule of Restricted Cash Restrictions on Cash and Cash Equivalents [Table Text Block] Machinery and equipment Machinery and Equipment [Member] Fair Value as of Grant Date Award Grant Date Fair Value Amortization of ROU asset Finance Lease, Right-of-Use Asset, Amortization Supplemental Cash Flow Information Cash Flow, Supplemental Disclosures [Text Block] Level 2 Fair Value, Inputs, Level 2 [Member] Share-based compensation Deferred Compensation Share-Based Arrangements, Liability, Current Long-Term Debt and Finance Lease Obligations Debt Disclosure [Text Block] Fair Value Hierarchy and NAV [Domain] Fair Value Hierarchy and NAV [Domain] Property, Plant and Equipment Property, Plant and Equipment [Member] Recovery of Erroneously Awarded Compensation Disclosure [Line Items] Aggregate principal amount of private offering Debt Instrument, Face Amount Schedule of Revenue Disaggregated by Major Product 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] Change in capital expenditures included in accounts payable Increase (Decrease) In Accounts Payable, Capital Expenditures Increase (Decrease) in Accounts Payable, Construction in Progress Swaps Interest Rate Swap [Member] Restatement Determination Date: Restatement Determination Date [Axis] Collaborative Arrangement and Arrangement Other than Collaborative [Domain] Collaborative Arrangement and Arrangement Other than Collaborative [Domain] Title of 12(b) Security Title of 12(b) Security Concentration Risk Type [Axis] Concentration Risk Type [Axis] Common stock, $0.01 par value per share; 350,000,000 shares authorized; 100,629,209 and 100,629,209 shares issued as of June 30, 2024 and December 31, 2023, respectively Common Stock, Value, Issued Operating cash flows from finance leases Finance Lease, Interest Payment on Liability Share-based Payment Arrangement [Abstract] Share-Based Payment Arrangement [Abstract] Cash and cash equivalents (including $48 and $45, respectively, of consolidated variable interest entity (â€œVIEâ€)) Cash and cash equivalents Cash and Cash Equivalents, at Carrying Value Public Stockholders Public Stockholders [Member] Public Stockholders Other long-term assets Other Noncurrent Assets [Member] Notice of renewal period termination Collaborative Arrangement, Notice Of Renewal Period Termination Collaborative Arrangement, Notice Of Renewal Period Termination Year-over-Year Change in Fair Value of Equity Awards Granted in Prior Years That are Outstanding and Unvested Year-over-Year Change in Fair Value of Equity Awards Granted in Prior Years That are Outstanding and Unvested [Member] Land and improvements Land and Land Improvements [Member] Other current liabilities Other Current Liabilities [Member] Loss on extinguishment of debt Gain (Loss) on Extinguishment of Debt RFS RFS [Member] RFS Year-end Fair Value of Equity Awards Granted in Covered Year that are Outstanding and Unvested Year-end Fair Value of Equity Awards Granted in Covered Year that are Outstanding and Unvested [Member] Nitrogen Fertilizer Segment Nitrogen Fertilizer Segment Nitrogen Fertilizer Segment [Member] Represents the Nitrogen Fertilizer Segment. The principal product of the Nitrogen Fertilizer Segment is nitrogen fertilizer. Operating lease, liability, current, statement of financial position [extensible list] Operating Lease, Liability, Current, Statement of Financial Position [Extensible Enumeration] Forwards Forward Contracts [Member] Depreciation and amortization Depreciation, Depletion and Amortization, Nonproduction Basic earnings per share (in dollars per share) Earnings Per Share, Basic Operating cash flows from operating leases Operating Lease, Payments Adjustment To PEO Compensation, Footnote Adjustment To PEO Compensation, Footnote [Text Block] Award Timing MNPI Disclosure Award Timing MNPI Disclosure [Text Block] Property, plant, and equipment, net (including $728 and $761, respectively, of VIE) Property, plant and equipment, net Total property, plant, and equipment, net Property, Plant, and Equipment and Finance Lease Right-of-Use Asset, after Accumulated Depreciation and Amortization Other Liabilities Disclosure [Abstract] Ownership [Domain] Ownership [Domain] Financing cash flows from finance leases Finance Lease, Principal Payments Aggregate Pension Adjustments Service Cost Aggregate Pension Adjustments Service Cost [Member] Assets Derivative Asset [Abstract] Compensation Actually Paid vs. Other Measure Compensation Actually Paid vs. Other Measure [Text Block] Distributions declared Distribution Made to Limited Partner, Cash Distributions Declared Petroleum Segment Petroleum Segment Petroleum Segment [Member] Represents the Petroleum Segment. Principal products of the Petroleum Segment are refined fuels, propane, and petroleum refining by-products including pet coke. Total current liabilities Liabilities, Current Vesting Date Fair Value of Equity Awards Granted and Vested in Covered Year Vesting Date Fair Value of Equity Awards Granted and Vested in Covered Year [Member] Weighted-average common shares outstanding: Weighted Average Number of Shares Outstanding, Diluted [Abstract] Total assets Total assets Assets Return from equity method investment earnings Proceeds from Equity Method Investment, Distribution Amount Borrowed Long-Term Line of Credit Other long-term liabilities (including $49 and $50, respectively, of VIE) Other long-term liabilities Other Liabilities, Noncurrent Forgone Recovery due to Violation of Home Country Law, Amount Forgone Recovery due to Violation of Home Country Law, Amount Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items] Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items] Commitments and contingencies (See Note 13) Commitments and Contingencies Contract netting Derivative Liability, Subject to Master Netting Arrangement, Asset Offset Equity Method Investments Equity Method Investments and Joint Ventures Disclosure [Text Block] Termination Date Trading Arrangement Termination Date Energy [Domain] Energy [Domain] CVR Partnersâ€™ Credit Agreement (â€œCVR Partners ABLâ€) Asset Based Credit Agreement [Member] Asset Based Credit Agreement [Member] Other long-term assets and liabilities Increase (Decrease) in Other Noncurrent Assets and Liabilities, Net $8.50% Senior Notes, due January 2029 Eight Point Five Zero Percent Notes Due 2029 [Member] Eight Point Five Zero Percent Notes Due 2029 Schedule of Related Party Transactions, by Related Party [Table] Related Party Transaction [Table] Fair value measurements Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Net sales Total revenue Total net sales Sales to related parties: Revenues Share-Based Compensation Share-Based Payment Arrangement [Text Block] Entity Address, City or Town Entity Address, City or Town Special dividend declared (in dollars per share) Special Dividend, Per Share, Declared Special Dividend, Per Share, Declared Debt Instrument [Axis] Debt Instrument [Axis] Midway JV Midway Pipeline LLC (Midway JV) [Member] Midway Pipeline LLC [Member] Contract netting Derivative Asset, Subject to Master Netting Arrangement, Liability Offset Total share-based compensation expense Share-Based Payment Arrangement, Expense Net income attributable to CVR Energy stockholders Net Income (Loss) Attributable to Parent Net Income (Loss) Attributable to Parent Trading Arrangement: Trading Arrangement [Axis] Pay vs Performance Disclosure, Table Pay vs Performance [Table Text Block] Loss Contingencies [Table] Loss Contingencies [Table] Schedule of Derivative Offsetting Assets Offsetting Assets [Table Text Block] Equity Awards Adjustments, Excluding Value Reported in Compensation Table Equity Awards Adjustments, Excluding Value Reported in the Compensation Table [Member] Dividends or Other Earnings Paid on Equity Awards not Otherwise Reflected in Total Compensation for Covered Year Dividends or Other Earnings Paid on Equity Awards not Otherwise Reflected in Total Compensation for Covered Year [Member] Entity File Number Entity File Number Parts, supplies and other Inventory, Parts and Components, Net of Reserves Revenue Revenue from Contract with Customer [Text Block] Consolidated Entities [Domain] Consolidated Entities [Domain] Document Fiscal Year Focus Document Fiscal Year Focus Noncontrolling Interest Noncontrolling Interest [Member] Income Statement [Abstract] Income Statement [Abstract] Entity Address, Address Line One Entity Address, Address Line One Debt Instrument, Name [Domain] Debt Instrument, Name [Domain] Other accrued expenses and liabilities Other Accrued Liabilities, Current Name Forgone Recovery, Individual Name Document Period End Date Document Period End Date Loss Contingency, Nature [Domain] Loss Contingency, Nature [Domain] Ownership percentage Variable Interest Entity, Qualitative or Quantitative Information, Ownership Percentage Finished goods Inventory, Finished Goods, Net of Reserves Other items Other Noncash Income (Expense) Award Timing MNPI Considered Award Timing MNPI Considered [Flag] Call Option Lawsuits Call Option Lawsuits [Member] Call Option Lawsuits Asset Class [Axis] Asset Class [Axis] Insider Trading Arrangements [Line Items] Line of Credit Facility [Line Items] Line of Credit Facility [Line Items] Inventory Disclosure [Abstract] Inventory Disclosure [Abstract] Outstanding Aggregate Erroneous Compensation Amount Outstanding Aggregate Erroneous Compensation Amount Other current assets Other Current Assets [Member] PEO Actually Paid Compensation Amount PEO Actually Paid Compensation Amount Purchases from related parties: Related Party Transaction, Purchases from Related Party Cost of sales Cost of Revenue Recognized revenue Contract with Customer, Liability, Revenue Recognized Adjustment to Compensation: Adjustment to Compensation [Axis] Less: Net income attributable to noncontrolling interest Net Income (Loss) Attributable to Noncontrolling Interest Liabilities Derivative Liability [Abstract] Document Transition Report Document Transition Report Document Quarterly Report Document Quarterly Report Litigation Case [Domain] Litigation Case [Domain] Fair Value, Recurring and Nonrecurring [Table] Fair Value, Recurring and Nonrecurring [Table] Entity Current Reporting Status Entity Current Reporting Status Accumulated Deficit Retained Earnings [Member] Pension Adjustments Service Cost Pension Adjustments Service Cost [Member] 5.25% Senior Notes, due February 2025 Five Point Two Five Percent Notes Due 2025 [Member] Five Point Two Five Percent Notes Due 2025 Other Property, Plant and Equipment, Other Types [Member] Related Party [Axis] Related and Nonrelated Parties [Axis] Basic (in shares) Weighted Average Number of Shares Outstanding, Basic Stock Price or TSR Estimation Method Stock Price or TSR Estimation Method [Text Block] Proceeds from sale of assets Proceeds from Sale of Productive Assets Total equity Beginning balance Ending balance Equity, Including Portion Attributable to Noncontrolling Interest Increase (Decrease) in Stockholders' Equity Increase (Decrease) in Stockholders' Equity [Roll Forward] Executive Category: Executive Category [Axis] Name Awards Close in Time to MNPI Disclosures, Individual Name 5.75% Senior Notes, due February 2028 Five Point Seven Five Percent Notes Due 2028 [Member] Five Point Seven Five Percent Notes Due 2028 Construction in progress Construction in Progress [Member] Gunvor Crude Oil Supply Agreement Gunvor Crude Oil Supply Agreement [Member] Gunvor Crude Oil Supply Agreement Entity Filer Category Entity Filer Category Schedule of Other Current Liabilities Other Current Liabilities [Table Text Block] Remaining performance obligation Revenue, Remaining Performance Obligation, Amount Loss Contingencies [Line Items] Loss Contingencies [Line Items] Company Selected Measure Name Company Selected Measure Name EX-101.PRE 10 cvi-20240630_pre.xml XBRL TAXONOMY EXTENSION PRESENTATION LINKBASE DOCUMENT GRAPHIC 11 cvi-20240630_g1.gif

begin 644 cvi-20240630_g1.gif M1TE&.#EA< >3 G "P < >3 H?
___\9$!"44B'_O3'WM3J<6BFE8S'W MO3JM:SK%A$JUI4KOK4+6E%+FI4J]>T+>G$K.E$K6G%+%
MC$J]>TH9&1GWM4*]A$J44BFM>T*G%*48S&46C$9&2'.K8R$>WOOWL5*2DKO[^^,C(1[M1GFWM[FM6-K M.I3>$-[>$)3.<][.SJ5[
MYAD9I809I5)S0H3FM=XQ.CK>&3H0:XQ".HP0.HS>&1"EG*5[0E*]A%+6SAD9 MYH1:I809I>9S>QD9YE):I5(9I;7O<]Y":][O M6CI*$#'>6A#_[\7>
[XQ:YH09YN9:YE(9YK5*I>9*I;64O824O5+FM8Q[0AFE MI=Y20AE[I=ZE$-:E$'M*YN9*YK7>E"'WUJ6EWN:4[X1"[QE"G!F4[U*EWK40 M[QD0G!D9.E)[WN9"Q1E"0EK>$%IS:[US.KV$
M:U+.G&N$I:VM]T+>]Q"E:^]"$.]":U)"$)2E M.N\0$.\0$)1S$.]S$)1"$ C.]]:M>TJ4$ C%K>:E.A"UA"&E.C'.WN_>>R'O[]:E:R'_SAGWSAFMS'WK1GOE%JM8Q#%SN:$E)P($!F46BGOE$JE4C&M
ME)RE8SJE6C'.K4+>>TJ44@CWI4*]>QG%I4):8TKFA$JM8S$9 @9"!GWUCJ] ME$KOM4KWM4K_K3'6E&/%G%+_K3K_[_\9$ #_M4(A&1GWI3K>C$J44C'FK4+O MI4*I4+FI4*]C$H9(1D(_P
!"!Q(L*#!@P@3*ES(L*'# MAQ C2IQ(L:+%BQ@S:MS(L:/'CP];"'G$[A$'!!P$J%S)LJ7+ES!CRIQ)LZ;- MFSASZMPIH$5!*#R#"AU*M.C+-WA *EW*-*+1IT5]$G0#M:K5JUBS:MT*\^1) M=E >V;
AM:G9LVC3JEW+MJW;MW#CRIU+MZ[=NWCSZH6(P\8C*"D%O%'YIMY@ MKH@3*UZLTB .%(PC2[Z]8*]EIH#O,X<(C M-V4ORYY-N[;MV[ASZ][-N[?OWQ9;/+I +'/+TP).*T_.?+GSYM"?2X].?;KU
MZMBO:_.?;OW[N"]O_\YV*+>]_/ATZ-?K[[]^3#R" M0(,*0E?B:"BFN%AE!P&AXHM8D?,A;7B4!B-.LRCT@G$W]NCCCT8AMUQ]#*YT MF 2/Q#;CDDPVZ>234$8IY91Y=4:0E6XT0-B"+!5IX)
<(A@GFF&)RQ^)!D91) MYIIJ_B= ?)92>5;> A9GX)VXGEGGGSNZ:>>@-II&!0%R3D04('^V6>BC"[J MJ**0-AKIHY)62NFEDV9JJ::8;IKHD$6>N"B)%TPXD)R&SJGJJJRVZNJKL,:Z MBE:J
%AI0TJ#3=?EKBX=5IJOJ1$6Kâ......_BILL<,:2RRPR#;+[+/'0KMLM-1. M:ZVRV":KK;/59MOL2AQ<25!YW%Z[K;3>HGMNM^N:6VZZ[+X[;#VTUGKJO7'B M:V^^_.[K+ZKZ MROP/\&;/# !Q>,\,
(*=V:#<8:E)O&R$_]:\<449VRQQD42 MBI"<#T>+\<8DCVPRQRB7G/+)*K?,\LLKQ^RRS##/;'/-)Q\5JI?'E?@&-NTH MJ:^L1!=M__1E5B;-K]+[,NWTTE W'?734E=-]=539VVUUEAO[7778',M]M=C
MATWVV6:G7?;::+.M=MMPORTWV_T"(!RO7#*HMY]#FNAWWX"7&/C>A*\TN.&" M)UXXD8@O_K?BC4?.^.2/.WZXX1[S1_GEE4O>^>:0@VYYZ)^7SOEICQR-EA!^ M>]KIZW*?
AB<#9D(N^N!K'W[WXW\O_OGDHV]^^NRO[W[Y\)^O^OST MUT^1&QSP.'F1-MZ97/]X\Y\ 3T3 G?4L@ 4\(/(6.$ #(M"!#/],X ,5V$ * M%K TJ5.(-BP(P0I.\(,1[* $0\C!$H+0!\VSWT;HG,-
\\5A8_)\6N6A&*YXFC6-DHTK.2"PXEH:, M_YNC&[THQCO*D8]@?&,?UUA&/0:2CUFL#WRB-A#6G1&/7:1C&!,)R38>THZ$ MS",@T3A(532D)RDY!\E*4A1%E(EX5+(W.+FME:R\I6KI)I 'O$<-
=IRA[AD M8QEW>4M=]O*46$1.YARR@CM54I"\/./_#I49QF3ZDIG(M"4T-[G,9UK3F=B4 MYC6UF^,RG M7)C6L($\@G%]@\[&(.4<&[UQ@9 Y44+QM ^$"G"A0FJH_Q):)(BB1J(EHBA+
M+)HZ5KG6E:XYOBUNJ%1YU(1$ M8CETM.!S>XO ZM;V O,TJD":\\3?NC>ZYKWM>^,[7_G"U[[TO6]]]ZO?_N;W MO_@-\'PG.5P@GBBYD0O6$-/;W08[^,$0CO]ZR40-Y#C@,@UKBV)M4._O0$R
M*LME'G.),1&WTY<;,[$4>9EB.9Z8Q1-3\2\S)F,2T]C%*[;E0%&JDG?], 0! M901QB4.,XQFWN) OUG&,BVSC(X\XQSMTLF'VD9K4^5B]^A08"#!,Y"7/J\L< M5E87Q_R&84;DPBV-
\LAXR&9V]K'-9(;SF]TLYSK3^1(U60CGJJ3OTM2$L=WU4WU=1G)?6K6WTG5M_6U2I!M*[Q1EA:K>"U@+*U MJFL]ZUL3VZFP;JJLD4UK!0D;OJ<10D-0:]K46ENS!-GK26$KN5'9$+!45LDS M&'P0.?
W3IJ)"M(#]NVX \]?=['YWN^ M4!=ZFN0>#RZ/P%ARVVH2>2$W>9MAWG*8:%SE%GV(<3/,JYB[O(LT3_G(>U[S MCQ-=Z%U:.5^7'M+_%$*\NRV 6,@;./6;LR3D.ZOZU'EH:FU06)8#><$C.GGQ
MEL2\Y&AG^MG5GG;!M'WM;F>[W.-.=[C;_>UXG_O=]9[WNO=][W[GN^ #SZL. MDS>O K0Z U'PTEY?F]J0?[SDJTWYR%=^\I;//.83.^W-7_[SF@>]YT-/^M&; M7O1P2]A
6H#FI,\\\8C#HNSY#6S7;Q*."/TC>&O_4=TS!_<3]7TI;RU\1!+_ ME+MO=?&!GU$7[]M+AP$!=_U9'SP&\[7#5_7R>?]\=OZ>^Z <_>5C_SQ5[4T MZ%W(TY<(LM;%L90.=*?
U$8R\\.J1.5>F".M"E48\4A/?] :]I9O 4B _P-8 M@ AX@ -H>+D&4(A$2MVG;=H6+-+F:U.#!853+8@K'#@O]5@SGH5OT#0]+G$,UU@O#_G/\ &*@\X1?H60;.G2?9'0')$822[$?[0GB9?8$I5H

~~Fiscal period values are FY, Q1, Q2, and Q3. 1st, 2nd and 3rd quarter 10-Q or 10-QT statements have value Q1, Q2, and Q3 respectively, with 10-K, 10-KT or other fiscal year statements having FY.~~

~~+ References~~

~~No definition available.~~

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

~~- Definition~~

~~This is focus fiscal year of the document report in YYYY format. For a 2006 annual report, which may also provide financial information from prior periods, fiscal 2006 should be given as the fiscal year focus. Example: 2006.~~

~~+ References~~

~~No definition available.~~

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

~~- Definition~~

~~For the EDGAR submission types of Form 8-K: the date of the report, the date of the earliest event reported; for the EDGAR submission types of Form N-1A: the filing date; for all other submission types: the end of the reporting or transition period. The format of the date is YYYY-MM-DD.~~

~~+ References~~

~~No definition available.~~

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

~~- Definition~~

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

~~+ References~~

~~Reference 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~~

~~- Definition~~

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

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Forms 10-K, 10-Q, 20-F -Number 240 -Section 13 -Subsection a-1~~

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

~~- Definition~~

~~The type of document being provided (such as 10-K, 10-Q, 485BPOS, etc). The document type is limited to the same value as the supporting SEC submission type, or the word 'Other'.~~

~~+ References~~

~~No definition available.~~

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

~~- Definition~~

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

~~+ References~~

~~No definition available.~~

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

~~- Definition~~

~~Name of the City or Town~~

~~+ References~~

~~No definition available.~~

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

~~- Definition~~

~~Code for the postal or zip code~~

~~+ References~~

~~No definition available.~~

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

~~- Definition~~

~~Name of the state or province.~~

~~+ References~~

~~No definition available.~~

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

~~- Definition~~

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

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2~~

~~+ Details~~
~~Name:dei_EntityCentralIndexKey Namespace Prefix:dei_ Data Type:dei:centralIndexKeyItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Indicate number of shares or other units outstanding of each of registrant's classes of capital or common stock or other ownership interests, if and as stated on cover of related periodic report. Where multiple classes or units exist define each class/interest by adding class of stock items such as Common Class A [Member], Common Class B [Member] or Partnership Interest [Member] onto the Instrument [Domain] of the Entity Listings, Instrument.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

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

~~- Definition~~

~~Indicate 'Yes' or 'No' whether registrants (1) have filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that registrants were required to file such reports), and (2) have been subject to such filing requirements for the past 90 days. This information should be based on the registrant's current or most recent filing containing the related disclosure.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

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

~~- Definition~~

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

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2~~

~~+ Details~~

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

~~- Definition~~

~~Commission file number. The field allows up to 17 characters. The prefix may contain 1-3 digits, the sequence number may contain 1-8 digits, the optional suffix may contain 1-4 characters, and the fields are separated with a hyphen.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

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

~~- Definition~~

~~Indicate whether the registrant is one of the following: Large Accelerated Filer, Accelerated Filer, Non-accelerated Filer. Definitions of these categories are stated in Rule 12b-2 of the Exchange Act. This information should be based on the registrant's current or most recent filing containing the related disclosure.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2~~

~~+ Details~~

~~Name:dei_EntityFilerCategory Namespace Prefix:dei_ Data Type:dei:filerCategoryItemType Balance Type:na Period Type:duration~~

~~- Definition~~

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

~~+ References~~

~~No definition available.~~

~~+ Details~~

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

~~- Definition~~

~~Boolean flag that is true when the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files).~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-T -Number 232 -Section 405~~

~~+ Details~~

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

~~- Definition~~

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

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2~~

~~+ Details~~

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

~~- Definition~~

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

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2~~

~~+ Details~~

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

~~- Definition~~

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

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2~~

~~+ Details~~

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

~~- Definition~~

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

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2~~

~~+ Details~~

~~Name:dei_EntityTaxIdentificationNumber Namespace Prefix:dei_ Data Type:dei:employerIdItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Local phone number for entity.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

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

~~- Definition~~

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

~~+ References~~

~~Reference 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~~

~~- Definition~~

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

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection d1-1~~

~~+ Details~~

~~Name:dei_SecurityExchangeName Namespace Prefix:dei_ Data Type:dei:edgarExchangeCodeItemType Balance Type:na Period Type:duration~~

~~- Definition~~

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

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:dei_TradingSymbol Namespace Prefix:dei_ Data Type:dei:tradingSymbolItemType Balance Type:na Period Type:duration XML 41 R2.htm IDEA: XBRL DOCUMENT~~

~~CONDENSED CONSOLIDATED BALANCE SHEETS - USD ($) $ in MillionsJun. 30, 2024Dec. 31, 2023Current assets: Cash and cash equivalents (including $48 and $45, respectively, of consolidated variable interest entity (“VIE”))$ 586$ 581Reserved funds for debt payment0598Accounts receivable, net (including $48 and $42, respectively, of VIE)298286Inventories (including $81 and $69, respectively, of VIE)543604Prepaid expenses (including $6 and $8, respectively, of VIE)3659Other current assets (including $1 and $1, respectively, of VIE)2951Total current assets1,4922,179Property, plant, and equipment, net (including $728 and $761, respectively, of VIE)2,1922,221Other long-term assets (including $48 and $48, respectively, of VIE)319307Total assets4,0034,707Current liabilities: Current portion of long-term debt and finance lease obligations8606Accounts payable (including $30 and $39, respectively, of VIE)523530Other current liabilities (including $29 and $37, respectively, of VIE)491546Total current liabilities1,0221,682Long-term liabilities: Long-term debt and finance lease obligations, net of current portion (including $548 and $547, respectively, of VIE)1,5761,579Deferred income taxes278327Other long-term liabilities (including $49 and $50, respectively, of VIE)8681Total long-term liabilities1,9401,987Commitments and contingencies (See Note 13) CVR Energy stockholders’ equity: Common stock, $0.01 par value per share; 350,000,000 shares authorized; 100,629,209 and 100,629,209 shares issued as of June 30, 2024 and December 31, 2023, respectively11Additional paid-in-capital1,5081,508Accumulated deficit(658)(660)Treasury stock, 98,610 shares at cost(2)(2)Total CVR stockholders’ equity849847Noncontrolling interest192191Total equity1,0411,038Total liabilities and equity$ 4,003$ 4,707~~

~~- Definition~~

~~Reserved Funds For Debt Payments~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:cvi_ReservedFundsForDebtPayments Namespace Prefix:cvi_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:instant~~

~~- Definition~~

~~Carrying 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).~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(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~~

~~- Definition~~

~~Amount, after allowance for credit loss, of right to consideration from customer for product sold and service rendered in normal course of business, classified as current.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481990/310-10-45-2~~

~~+ Details~~

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

~~- Definition~~

~~Value received from shareholders in common stock-related transactions that are in excess of par value or stated value and amounts received from other stock-related transactions. Includes only common stock transactions (excludes preferred stock transactions). May be called contributed capital, capital in excess of par, capital surplus, or paid-in capital.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1~~

~~+ Details~~

~~Name:us-gaap_AdditionalPaidInCapitalCommonStock Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:instant~~

~~- Definition~~

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

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 12: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 13: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(12)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 18: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 19: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 30: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(11)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1~~

~~+ Details~~

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

~~- Definition~~

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

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 6: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI~~

http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 10: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 20: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7

~~*+ Details*~~

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

~~*- References*~~

~~*No definition available.*~~

~~*+ Details*~~

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

~~*- Definition*~~

~~*Amount of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation.*~~

~~*+ References*~~

~~*Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4*~~

~~*+ Details*~~

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

~~- Definition~~

~~Represents the caption on the face of the balance sheet to indicate that the entity has entered into (1) purchase or supply arrangements that will require expending a portion of its resources to meet the terms thereof, and (2) is exposed to potential losses or, less frequently, gains, arising from (a) possible claims against a company's resources due to future performance under contract terms, and (b) possible losses or likely gains from uncertainties that will ultimately be resolved when one or more future events that are deemed likely to occur do occur or fail to occur.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(15)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1~~

~~+ Details~~

~~Name:us-gaap_CommitmentsAndContingencies Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:instant~~

~~- Definition~~

~~Aggregate par or stated value of issued nonredeemable common stock (or common stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable common shares, par value and other disclosure concepts are in another section within stockholders' equity.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1~~

~~+ Details~~

~~Name:us-gaap_CommonStockValue Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:instant~~

~~- Definition~~

~~Amount, after deferred tax asset, of deferred tax liability attributable to taxable differences with jurisdictional netting.~~

~~+ References~~

~~Reference 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)(15)(b)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 2: 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 3: 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_DeferredIncomeTaxLiabilitiesNet Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:instant~~

~~- Definition~~

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

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1~~

~~+ Details~~

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

~~- Definition~~

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

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(32)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1~~

~~+ Details~~

~~Name:us-gaap_LiabilitiesAndStockholdersEquity Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:instant~~

~~- Definition~~

~~Total obligations incurred as part of normal operations that are expected to be paid during the following twelve months or within one business cycle, if longer.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 8: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-5Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 20: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 21: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7~~

~~+ Details~~

~~Name:us-gaap_LiabilitiesCurrent Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:instant~~

~~- References~~

~~No definition available.~~

~~+ Details~~

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

~~- Definition~~

~~Amount of obligation due after one year or beyond the normal operating cycle, if longer.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(24)) -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(25)) -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(26)) -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(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 6: 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 7: 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 8: 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 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:~~

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

~~*- References*~~

~~*No definition available.*~~

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

~~*- Definition*~~

~~*Amount of long-term debt and lease obligation, classified as noncurrent.*~~

~~*+ References*~~

~~*Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -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_LongTermDebtAndCapitalLeaseObligations Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:instant~~

~~- Definition~~

~~Amount of long-term debt and lease obligation, classified as current.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1~~

~~+ Details~~

~~Name:us-gaap_LongTermDebtAndCapitalLeaseObligationsCurrent Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:instant~~

~~- Definition~~

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

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(31)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: 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 3: 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 4: 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 5: 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)(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 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 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 8: 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 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 10: 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 11: 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 12: 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 13: 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(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1~~

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

~~- Definition~~

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

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1~~

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

~~- Definition~~

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

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1~~

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

~~- Definition~~

~~Amount of liabilities classified as other, due within one year or the normal operating cycle, if longer.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://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~~

~~- Definition~~

~~Amount of liabilities classified as other, due after one year or the normal operating cycle, if longer.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1~~

~~+ Details~~

~~Name:us-gaap_OtherLiabilitiesNoncurrent Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:instant~~

~~- Definition~~

~~Amount of asset related to consideration paid in advance for costs that provide economic benefits within a future period of one year or the normal operating cycle, if longer.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 340 -SubTopic 10 -Name Accounting Standards Codification -Section 05 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482955/340-10-05-5Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 340 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483032/340-10-45-1~~

~~+ Details~~

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

~~- Definition~~

~~Amount, after accumulated depreciation and amortization, of property, plant, and equipment and finance lease right-of-use asset.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -SubTopic 20 -Topic 842 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4~~

~~+ Details~~

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

~~- Definition~~

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

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)(a)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (h)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-11Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(23)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1~~

~~+ Details~~

~~Name:us-gaap_RetainedEarningsAccumulatedDeficit Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:instant~~

~~- Definition~~

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

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(31)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 12: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 13: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 14: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 4.E) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480418/310-10-S99-2~~

~~+ Details~~

~~Name:us-gaap_StockholdersEquity Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:instant~~

~~- References~~

~~No definition available.~~

~~+ Details~~

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

~~- Definition~~

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

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 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 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (d)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: 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 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (d)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (d)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 848 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (a)(3)(iii)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483550/848-10-65-2Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 8 -Subparagraph (c)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479832/842-10-65-8Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -~~

https://asc.fasb.org/1943274/2147479832/842-10-65-6Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483421/250-10-45-24Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 23 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483421/250-10-45-23Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 5 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483421/250-10-45-5Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 5 -Subparagraph (c)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479654/326-10-65-5Reference 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http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (f)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (f)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 8 -Subparagraph (d)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482615/740-10-65-8Reference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 8 -Subparagraph (d)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482615/740-10-65-8Reference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 4 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479654/326-10-65-4Reference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-5Reference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481674/830-30-50-1Reference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 17 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481694/830-30-45-17Reference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 20 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481694/830-30-45-20Reference 34: 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 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 205 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478009/946-205-45-3Reference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 505 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478448/946-505-50-3Reference 37: 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 38: 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 39: 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 40: 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 41: 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 42: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1Reference 43: 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 44: 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 45: 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 46: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 810 -SubTopic 10 -Section 45 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-15Reference 47: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 810 -SubTopic 10 -Section 45 -Paragraph 16 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-16Reference 48: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 810 -SubTopic 10 -Section 55 -Paragraph 4I -Publisher FASB -URI https://asc.fasb.org/1943274/2147481175/810-10-55-4IReference 49: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476166/350-60-65-1

~~+ Details~~

~~Name:us-gaap_StockholdersEquityIncludingPortionAttributableToNoncontrollingInterest Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:instant~~

~~- Definition~~

~~Amount allocated to previously issued common shares repurchased by the issuing entity and held in treasury.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 505 -SubTopic 30 -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481520/505-30-50-4Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 505 -SubTopic 30 -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481549/505-30-45-1~~

~~+ Details~~

~~Name:us-gaap_TreasuryStockCommonValue Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:instant XML 42 R3.htm IDEA: XBRL DOCUMENT~~

~~CONDENSED CONSOLIDATED BALANCE SHEETS (Parenthetical) - USD ($) $ in MillionsJun. 30, 2024Dec. 31, 2023Current assets: Cash and cash equivalents$ 586$ 581Accounts receivable, net298286Inventories543 604Prepaid expenses3659Other current assets2951Property, plant and equipment, net2,1922,221Other long-term assets319307Current liabilities: Accounts payable, current523530Other current liabilities491 546Long-term liabilities: Long-term debt and finance lease obligations1,5761,579Other long-term liabilities$ 86$ 81Common stock, par value (in dollars per share)$ 0.01$ 0.01Common stock, authorized (in shares)350,000,000350,000,000Common stock, issued (in shares)100,629,209100,629,209Treasury stock, common shares (in shares)98,61098,610Variable Interest Entities Current assets: Cash and cash equivalents$ 48$ 45Accounts receivable, net4842Inventories8169Prepaid expenses68Other current assets11Property, plant and equipment, net728761Other long-term assets4848Current liabilities: Accounts payable, current3039Other current liabilities2937Long-term liabilities: Long-term debt and finance lease obligations548547Other long-term liabilities$ 49$ 50~~

~~- Definition~~

~~Carrying 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).~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(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~~

~~- Definition~~

~~Amount, after allowance for credit loss, of right to consideration from customer for product sold and service rendered in normal course of business, classified as current.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481990/310-10-45-2~~

~~+ Details~~

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

~~- References~~

~~No definition available.~~

~~+ Details~~

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

~~- Definition~~

~~Amount of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4~~

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

~~- Definition~~

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

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1~~

~~+ Details~~
~~Name:us-gaap_CommonStockParOrStatedValuePerShare Namespace Prefix:us-gaap_ Data Type:dtr-types:perShareItemType Balance Type:na Period Type:instant~~

~~- Definition~~

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

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1~~

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

~~- Definition~~

~~Total number of common shares of an entity that have been sold or granted to shareholders (includes common shares that were issued, repurchased and remain in the treasury). These shares represent capital invested by the firm's shareholders and owners, and may be all or only a portion of the number of shares authorized. Shares issued include shares outstanding and shares held in the treasury.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1~~

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

~~- Definition~~

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

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1~~

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

~~- References~~

~~No definition available.~~

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

~~- References~~

~~*No definition available.*~~

~~*+ Details*~~

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

~~*- Definition*~~

~~*Amount of long-term debt and lease obligation, classified as noncurrent.*~~

~~*+ References*~~

~~*Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -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_LongTermDebtAndCapitalLeaseObligations Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:instant*~~

~~*- Definition*~~

~~*Amount of current assets classified as other.*~~

~~*+ References*~~

~~*Reference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1*~~

~~*+ Details*~~

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

~~*- Definition*~~

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

~~*+ References*~~

~~*Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1*~~

~~*+ Details*~~

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

~~*- Definition*~~

~~*Amount of liabilities classified as other, due within one year or the normal operating cycle, if longer.*~~

~~*+ References*~~

~~*Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://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*~~

~~*- Definition*~~

~~*Amount of liabilities classified as other, due after one year or the normal operating cycle, if longer.*~~

~~*+ References*~~

~~*Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1*~~

~~+ Details~~

~~Name:us-gaap_OtherLiabilitiesNoncurrent Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:instant~~

~~- Definition~~

~~Amount of asset related to consideration paid in advance for costs that provide economic benefits within a future period of one year or the normal operating cycle, if longer.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 340 -SubTopic 10 -Name Accounting Standards Codification -Section 05 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482955/340-10-05-5Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 340 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483032/340-10-45-1~~

~~+ Details~~

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

~~- Definition~~

~~Amount, after accumulated depreciation and amortization, of property, plant, and equipment and finance lease right-of-use asset.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -SubTopic 20 -Topic 842 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4~~

~~+ Details~~

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

~~- Definition~~

~~Number of previously issued common shares repurchased by the issuing entity and held in treasury.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 505 -SubTopic 30 -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481549/505-30-45-1~~

~~+ Details~~

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

~~- Details~~

~~Name:srt_ConsolidatedEntitiesAxis=us-gaap_VariableInterestEntityPrimaryBeneficiaryMember Namespace Prefix: Data Type:na Balance Type: Period Type: XML 43 R4.htm IDEA: XBRL DOCUMENT~~
~~CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS - USD ($) shares in Millions, $ in Millions3 Months Ended6 Months Ended~~
~~Jun. 30, 2024~~
~~Jun. 30, 2023~~
~~Jun. 30, 2024~~
~~Jun. 30, 2023~~
~~Income Statement [Abstract]   Net sales$ 1,967$ 2,236$ 3,829$ 4,523Operating costs and expenses: Cost of materials and other1,6671,7433,1303,423Direct operating expenses (exclusive of depreciation and amortization)173165337334Depreciation and amortization7071145137Cost of sales1,9101,9793,6123,894Selling, general and administrative expenses (exclusive of depreciation and amortization)28326371Depreciation and amortization2144Loss on asset disposal0010Operating income272241495540ther (expense) income: Interest expense, net(19)(16)(39)(32)Other income, net4486Income before income tax expense12212118528Income tax (benefit) expense(26)44(10)101Net income38168128427Less: Net income attributable to noncontrolling interest173825102Net income attributable to CVR Energy stockholders$ 21$ 130$ 103$ 325Basic earnings per share (in dollars per share)$ 0.21$ 1.29$ 1.02$ 3.23Diluted earnings per share (in dollars per share)$ 0.21$ 1.29$ 1.02$ 3.23Weighted-average common shares outstanding: Basic (in shares)100.5100.5100.5100.5Diluted (in shares)100.5100.5100.5100.5~~

~~- Definition~~

~~Cost of material used for good produced and service rendered.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2~~

~~+ Details~~

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

~~- Definition~~

~~Amount of expense for allocation of cost of tangible and intangible assets over their useful lives directly used in production of good and rendering of service.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2~~

~~+ Details~~

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

~~- Definition~~

~~The aggregate cost of goods produced and sold and services rendered during the reporting period.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 6: http://www.xbrl.org/2003/role/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 7: 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 8: 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 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 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)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 11: 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 12: 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 13: 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 14: 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 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)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1B~~

~~+ Details~~

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

~~- References~~

~~No definition available.~~

~~+ Details~~

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

~~- Definition~~

~~The current period expense charged against earnings on long-lived, physical assets not used in production, and which are not intended for resale, to allocate or recognize the cost of such assets over their useful lives; or to record the reduction in book value of an intangible asset over the benefit period of such asset; or to reflect consumption during the period of an asset that is not used in production.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 360 -SubTopic 10 -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1~~

~~+ Details~~

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

~~- Definition~~

~~The aggregate direct operating costs incurred during the reporting period.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2~~

~~+ Details~~

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

~~- Definition~~

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

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-52Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-15Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7~~

~~*+ Details*~~

~~*Name:us-gaap_EarningsPerShareBasic Namespace Prefix:us-gaap_ Data Type:dtr-types:perShareItemType Balance Type:na Period Type:duration*~~

~~*- Definition*~~

~~*The amount of net income (loss) for the period available to each share of common stock or common unit outstanding during the reporting period and to each share or unit that would have been outstanding assuming the issuance of common shares or units for all dilutive potential common shares or units outstanding during the reporting period.*~~

~~*+ References*~~

~~*Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-52Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-15Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7*~~

~~+ Details~~

~~Name:us-gaap_EarningsPerShareDiluted Namespace Prefix:us-gaap_ Data Type:dtr-types:perShareItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Amount of gain (loss) on sale or disposal of property, plant and equipment assets, including oil and gas property and timber property.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28~~

~~+ Details~~

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

~~- Definition~~

~~Amount of income (loss) from continuing operations, including income (loss) from equity method investments, before deduction of income tax expense (benefit), and income (loss) attributable to noncontrolling interest.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/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*~~

~~*- References*~~

~~*No definition available.*~~

~~*+ Details*~~

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

~~*- Definition*~~

~~*Amount of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations.*~~

~~*+ References*~~

~~*Reference 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*~~

~~*- Definition*~~

~~*Amount of interest income (expense) classified as nonoperating.*~~

~~*+ References*~~

~~*Reference 1: 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-S99-2Reference 2: 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 3: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48*~~

~~*+ Details*~~

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

~~*- Definition*~~

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

~~*+ References*~~

~~*Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI*~~

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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~~

~~- Definition~~

~~Amount of Net Income (Loss) attributable to noncontrolling interest.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -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 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1AReference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 810 -SubTopic 10 -Section 55 -Paragraph 4J -Publisher FASB -URI https://asc.fasb.org/1943274/2147481175/810-10-55-4JReference 8: 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 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1B~~

~~+ Details~~

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

~~- References~~

~~No definition available.~~

~~+ Details~~

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

~~- Definition~~

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

~~+ References~~

~~Reference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 31 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-31~~

~~+ Details~~

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

~~- Definition~~

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

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(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~~

~~- Definition~~

~~The consolidated profit or loss for the period, net of income taxes, including the portion attributable to the noncontrolling interest.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 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https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 15: 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 16: 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 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 19 -Publisher FASB -URI 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-Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -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 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -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)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: 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 30: 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 31: http://www.xbrl.org/2003/role/exampleRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 4J -Publisher FASB -URI https://asc.fasb.org/1943274/2147481175/810-10-55-4JReference 32: http://www.xbrl.org/2003/role/exampleRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 4K -Publisher FASB -URI https://asc.fasb.org/1943274/2147481175/810-10-55-4KReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher 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~~***http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-2Reference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1AReference 37: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (c)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1A***~~

~~***+ Details***~~

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

~~***- Definition***~~

~~*Amount of revenue recognized from goods sold, services rendered, insurance premiums, or other activities that constitute an earning process. Includes, but is not limited to, investment and interest income before deduction of interest expense when recognized as a component of revenue, and sales and trading gain (loss).*~~

~~***+ References***~~

~~*Reference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 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 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 (b) -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 (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 7: 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 8: 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 9: 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 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: 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~~*+ Details*~~

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

~~*- Definition*~~

~~*The aggregate total costs related to selling a firm's product and services, as well as all other general and administrative expenses. Direct selling expenses (for example, credit, warranty, and*~~

~~advertising) are expenses that can be directly linked to the sale of specific products. Indirect selling expenses are expenses that cannot be directly linked to the sale of specific products, for example telephone expenses, Internet, and postal charges. General and administrative expenses include salaries of non-sales personnel, rent, utilities, communication, etc.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2~~

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

~~- Definition~~

~~The average number of shares or units issued and outstanding that are used in calculating diluted EPS or earnings per unit (EPU), determined based on the timing of issuance of shares or units in the period.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 16 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-16~~

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

~~- References~~

~~No definition available.~~

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

~~- Definition~~

~~Number of [basic] shares or units, after adjustment for contingently issuable shares or units and other shares or units not deemed outstanding, determined by relating the portion of time within a reporting period that common shares or units have been outstanding to the total time in that period.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10~~

~~+ Details~~
~~Name:us-gaap_WeightedAverageNumberOfSharesOutstandingBasic Namespace Prefix:us-gaap_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:duration XML 44 R5.htm IDEA: XBRL DOCUMENT~~
~~CONDENSED CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY - USD ($) $ in Millions TotalTotal CVR Stockholders' Equity Common Stock Additional Paid-In Capital Accumulated Deficit Treasury Stock Noncontrolling Interest~~
~~Beginning balance (in shares) at Dec. 31, 2022 100,629,209 Beginning balance at Dec. 31, 2022$ 791$ 531$ 1$ 1,508$ (976)$ (2)$ 260Increase (Decrease) in Stockholders' Equity Net income259195 195 64Dividends paid to CVR Energy stockholders(50)(50) (50) Distributions from CVR Partners to its public unitholders(70) (70)Other(1)(1) (1) Ending balance (in shares) at Mar. 31, 2023 100,629,209 Ending balance at Mar. 31, 2023929675$ 11,508(832)(2)254Beginning balance (in shares) at Dec. 31, 2022 100,629,209 Beginning balance at Dec. 31, 2022791531$ 11,508(976)(2)260Increase (Decrease) in Stockholders' Equity Net income427 Ending balance (in shares) at Jun. 30, 2023 100,629,209 Ending balance at Jun. 30, 2023977755$ 11,508(752)(2)222Beginning balance (in shares) at Mar. 31, 2023 100,629,209 Beginning balance at Mar. 31, 2023929675$ 11,508(832)(2)254Increase (Decrease) in Stockholders' Equity Net income168130 130 38Dividends paid to CVR Energy stockholders(50)(50) (50) Distributions from CVR Partners to its public unitholders(70) (70)Ending balance (in shares) at Jun. 30, 2023 100,629,209 Ending balance at Jun. 30, 2023977 755$ 11,508(752)(2)222Beginning balance (in shares) at Dec. 31, 2023 100,629,209 Beginning balance at Dec. 31, 20231,038847$ 11,508(660)(2)191Increase (Decrease) in Stockholders' Equity Net income9082 82 8Dividends paid to CVR Energy stockholders(50)(50) (50) Distributions from CVR Partners to its public unitholders(11) (11)Ending balance (in shares) at Mar. 31, 2024 100,629,209 Ending balance at Mar. 31, 20241,067879$ 11,508(628)(2)188Beginning balance (in shares) at Dec. 31, 2023 100,629,209 Beginning balance at Dec. 31, 20231,038847$ 11,508(660)(2)191Increase (Decrease) in Stockholders' Equity Net income128 Ending balance (in shares) at Jun. 30, 2024 100,629,209 Ending balance at Jun. 30, 20241,041849$ 11,508(658)(2)192Beginning balance (in shares) at Mar. 31, 2024 100,629,209 Beginning balance at Mar. 31, 20241,067879$ 11,508(628)(2)188Increase (Decrease) in Stockholders' Equity Net income3821 21 17Dividends paid to CVR Energy stockholders(50)(50) (50) Distributions from CVR Partners to its public unitholders(13) (13)Other(1)(1) (1) Ending balance (in shares) at Jun. 30, 2024 100,629,209 Ending balance at Jun. 30, 2024$ 1,041$ 849$ 1$ 1,508$ (658)$ (2)$ 192~~

~~- Definition~~

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

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 6: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3~~

~~+ Details~~

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

~~- Definition~~

~~Amount of paid and unpaid common stock dividends declared with the form of settlement in cash.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1~~

~~+ Details~~

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

~~- Definition~~

~~A roll forward is a reconciliation of a concept from the beginning of a period to the end of a period.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

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

~~- Definition~~

~~Decrease in noncontrolling interest balance from payment of dividends or other distributions by the non-wholly owned subsidiary or partially owned entity, included in the consolidation of the parent entity, to the noncontrolling interest holders.~~

~~+ References~~

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

~~- Definition~~

~~The consolidated profit or loss for the period, net of income taxes, including the portion attributable to the noncontrolling interest.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 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https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 15: 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 16: 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 17: http://www.xbrl.org/2003/role/disclosureRef -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 18: http://www.xbrl.org/2009/role/commonPracticeRef -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 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)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 20: 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 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -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 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B~~

-Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -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)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: 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 30: 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 31: http://www.xbrl.org/2003/role/exampleRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 4J -Publisher FASB -URI https://asc.fasb.org/1943274/2147481175/810-10-55-4JReference 32: http://www.xbrl.org/2003/role/exampleRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 4K -Publisher FASB -URI https://asc.fasb.org/1943274/2147481175/810-10-55-4KReference 33: 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 34: 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 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-2Reference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1AReference 37: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (c)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1A

~~*+ Details*~~

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

~~*- Definition*~~

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

~~*+ References*~~

~~*Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 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 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (d)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: 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 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (d)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (d)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 848 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (a)(3)(iii)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483550/848-10-65-2Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 8 -Subparagraph (c)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479832/842-10-65-8Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483421/250-10-45-24Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 23 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483421/250-10-45-23Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 5 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483421/250-10-45-5Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 5 -Subparagraph (c)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479654/326-10-65-5Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 20 -Name Accounting Standards Codification -Section 65 -Paragraph 6 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480528/815-20-65-6Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 20 -Name Accounting Standards Codification -Section 65 -Paragraph 6 -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480528/815-20-65-6Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 815*~~

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-Paragraph 6 -Subparagraph (i)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480528/815-20-65-6Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 105 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 6 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479343/105-10-65-6Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 105 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 6 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479343/105-10-65-6Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (f)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (f)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 8 -Subparagraph (d)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482615/740-10-65-8Reference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 8 -Subparagraph (d)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482615/740-10-65-8Reference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 4 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479654/326-10-65-4Reference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-5Reference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481674/830-30-50-1Reference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 17 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481694/830-30-45-17Reference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 20 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481694/830-30-45-20Reference 34: 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 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 205 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478009/946-205-45-3Reference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 505 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478448/946-505-50-3Reference 37: 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 38: 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 39: 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 40: 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 41: 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 42: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1Reference 43: 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 44: 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 45: 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 46: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 810 -SubTopic 10 -Section 45 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-15Reference 47: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 810 -SubTopic 10 -Section 45 -Paragraph 16 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-16Reference 48: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 810 -SubTopic 10 -Section 55 -Paragraph 4I -Publisher FASB -URI https://asc.fasb.org/1943274/2147481175/810-10-55-4IReference 49: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476166/350-60-65-1

~~*+ Details*~~

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

~~*- Definition*~~

~~*This element represents movements included in the statement of changes in stockholders' equity which are not separately disclosed or provided for elsewhere in the taxonomy.*~~

~~*+ References*~~

~~*No definition available.*~~

~~*+ Details*~~

~~*Name:us-gaap_StockholdersEquityOther Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration XML 45 R6.htm IDEA: XBRL DOCUMENT*~~

~~*CONDENSED CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY (Parenthetical) - $ / shares Jun. 30, 2024Mar. 31, 2024Dec. 31, 2023Jun. 30, 2023Mar. 31, 2023Statement of Stockholders' Equity [Abstract]*~~

~~Common stock, par value (in dollars per share)$ 0.01$ 0.01$ 0.01$ 0.01$ 0.01~~

~~- Definition~~

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

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1~~

~~+ Details~~

~~Name:us-gaap_CommonStockParOrStatedValuePerShare Namespace Prefix:us-gaap_ Data Type:dtr-types:perShareItemType Balance Type:na Period Type:instant~~

~~- References~~

~~No definition available.~~

~~+ Details~~

~~Name:us-gaap_StatementOfStockholdersEquityAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration XML 46 R7.htm IDEA: XBRL DOCUMENT~~

~~CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS - USD ($) $ in Millions6 Months Ended~~
~~Jun. 30, 2024~~
~~Jun. 30, 2023~~
~~Cash flows from operating activities: Net income$ 128$ 427Adjustments to reconcile net income to net cash provided by operating activities: Depreciation and amortization149141Deferred income taxes (48)28Loss on asset disposal10Share-based compensation1015Unrealized loss (gain) on derivatives, net7(13)Income from equity method investments(7)(5)Return from equity method investment earnings75Other items21Changes in assets and liabilities: Current assets and liabilities1021Other long-term assets and liabilities(1)(6)Net cash provided by operating activities258614Cash flows from investing activities: Capital expenditures(90)(100)Turnaround expenditures(44)(50)Return of equity method investment420Proceeds from sale of assets10Net cash used in investing activities(129)(130)Cash flows from financing activities: Principal payments on senior secured notes(600)0Dividends to CVR Energy’s stockholders(101)(101)Distributions to CVR Partners’ noncontrolling interest holders(24)(140)Other financing activities(4)(2)Net cash used in financing activities(729)(243)Net (decrease) increase in cash, cash equivalents, reserved funds and restricted cash(600)241Cash, cash equivalents, reserved funds and restricted cash, beginning of period1,186517Cash, cash equivalents and restricted cash, end of period$ 586$ 758~~

~~- Definition~~

~~Increase (Decrease) In Current Assets (Liabilities), Net~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:cvi_IncreaseDecreaseInCurrentAssetsLiabilitiesNet Namespace Prefix:cvi_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~Payments For Turnaround Costs~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:cvi_PaymentsForTurnaroundCosts Namespace Prefix:cvi_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- References~~

~~No definition available.~~

~~+ Details~~

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

~~- Definition~~

~~Amount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage. 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.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4~~

~~+ Details~~

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

~~- Definition~~

~~Amount of increase (decrease) in cash, cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; including effect from exchange rate change. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 1 -SubTopic 230 -Topic 830 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477401/830-230-45-1~~

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

~~*- Definition*~~

~~*Amount of deferred income tax expense (benefit) pertaining to income (loss) from continuing operations.*~~

~~*+ References*~~

~~*Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(h)(1)(Note 1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -SubTopic 10 -Topic 740 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-9*~~

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

~~*- Definition*~~

~~*The aggregate expense recognized in the current period that allocates the cost of tangible assets, intangible assets, or depleting assets to periods that benefit from use of the assets.*~~

~~*+ References*~~

~~*Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://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*~~

~~*- Definition*~~

~~*Amount of distribution received from equity method investee for return on investment, classified as operating activities. Excludes distribution for return of investment, classified as investing activities.*~~

~~*+ References*~~

~~*Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -*~~

~~Subparagraph (SX 210.7-04(10)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 21D -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-21DReference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(12)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2~~

~~+ Details~~

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

~~- Definition~~

~~Amount of gain (loss) on sale or disposal of property, plant and equipment assets, excluding oil and gas property and timber property.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-5Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-3~~

~~+ Details~~

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

~~- Definition~~

~~Amount of income (loss) for proportionate share of equity method investee's income (loss).~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(10)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481664/323-10-45-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(12)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(13)(f)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1~~

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

~~*- References*~~

~~*No definition available.*~~

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

~~*- Definition*~~

~~*Amount of increase (decrease) in noncurrent operating assets after deduction of noncurrent operating liabilities classified as other.*~~

~~*+ References*~~

~~*No definition available.*~~

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

~~*- Definition*~~

~~*Amount of cash inflow (outflow) from financing activities, including discontinued operations. Financing activity cash flows include obtaining resources from owners and providing them with a return on, and a return of, their investment; borrowing money and repaying amounts borrowed, or settling the obligation; and obtaining and paying for other resources obtained from creditors on long-term credit.*~~

~~*+ References*~~

~~*Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24*~~

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

~~*- References*~~

~~*No definition available.*~~

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

~~*- Definition*~~

~~*Amount of cash inflow (outflow) from investing activities, including discontinued operations. Investing activity cash flows include making and collecting loans and acquiring and disposing of debt or equity instruments and property, plant, and equipment and other productive assets.*~~

~~*+ References*~~

~~*Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24*~~

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

~~*- References*~~

~~*No definition available.*~~

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

~~*- Definition*~~

~~*Amount of cash inflow (outflow) from operating activities, including discontinued operations. Operating activity cash flows include transactions, adjustments, and changes in value not defined as investing or financing activities.*~~

~~*+ References*~~

~~*Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-25*~~

~~+ Details~~

~~Name:us-gaap_NetCashProvidedByUsedInOperatingActivities Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:na Period Type:duration~~

~~- References~~

~~No definition available.~~

~~+ Details~~

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

~~- Definition~~

~~Amount of income (expense) included in net income that results in no cash inflow (outflow), classified as other.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 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~~

~~- Definition~~

~~The distributions of earnings to an entity that is affiliated with the reporting entity by means of direct or indirect ownership.~~

~~+ References~~

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

~~- Definition~~

~~Cash outflow in the form of capital distributions and dividends to common shareholders, preferred shareholders and noncontrolling interests.~~

~~+ References~~

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

~~- Definition~~

~~The cash outflow for purchases of and capital improvements on property, plant and equipment (capital expenditures), software, and other intangible assets.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 805 -SubTopic 50 -Name Accounting Standards Codification -Section 25 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480060/805-50-25-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 805 -SubTopic 50 -Name Accounting Standards Codification -Section 30 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480027/805-50-30-1Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 805 -SubTopic 50 -Name Accounting Standards Codification -Section 30 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480027/805-50-30-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 13 -Subparagraph (c) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-13~~

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

~~- Definition~~

~~Amount of distribution received from equity method investee for return of investment, classified as investing activities. Excludes distribution for return on investment, classified as operating activities.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 12 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-12Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 21D -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-21D~~

~~+ Details~~
~~Name:~~