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(Exact Name of Registrant as Specified in its Charter) Delaware Â 45-2069276 (State or other jurisdiction of incorporation or organization) Â (I.R.S. Employer Identification Number) Â Â Â 520 Broad Street,Â Newark, New Jersey Â 07102 (Address of principal executive offices) Â (Zip Code) (973) 438-3500 (Registrantâ€™s telephone number, including area code) Securities registered pursuant to Section 12(b)-2 of the Exchange Act: TitleÂ of each Class TradingÂ Symbol Name of exchange of which registered Class B common stock, par value $0.01 per share GNE New York Stock Exchange Indicate by check mark whether the registrant (1)Â has filed all reports required to be filed by SectionÂ 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2)Â has been subject to such filing requirements for the past 90Â days.Â Â Â Â YesÂ Â â˜’Â Â Â Â NoÂ Â â˜ Â Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (Â§ 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files).Â Â Â Â Â YesÂ Â â˜’Â Â Â Â Â NoÂ Â â˜ Â Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, smaller reporting company, or an emerging growth company. See the definitions of â€œlarge accelerated filer,â€ â€œaccelerated filer,â€ â€œsmaller reporting company,â€ and â€œemerging growth companyâ€ in Rule 12b-2 of the Exchange Act.Â Â Â Â Â LargeÂ acceleratedÂ filer Â˜ AcceleratedÂ filer â˜’ Non-accelerated filer Â˜ SmallerÂ reportingÂ company Â˜ Emerging growth company Â˜ Â Â Â If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.Â Â˜ Â Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act.):Â Â Â Â Â YesÂ Â Â˜Â Â Â Â NoÂ Â â˜’ As of August 7, 2024, the registrant had the following shares outstanding: Â ClassÂ A common stock, $0.01 par value: 1,574,326 shares ClassÂ BÂ commonÂ stock,Â $0.01Â parÂ value: 25,318,782Â shares (excluding 3,587,203 treasury shares) Â Â GENIE ENERGY LTD.TABLE OF CONTENTS PART I. FINANCIAL INFORMATION 1 ItemÂ 1. Financial Statements (Unaudited) 1 CONSOLIDATED BALANCE SHEETS 1 CONSOLIDATED STATEMENTS OF OPERATIONS 2 CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME 3 CONSOLIDATED STATEMENTS OF EQUITY 4 CONSOLIDATED STATEMENTS OF CASH FLOWS 6 NOTES TO CONSOLIDATED FINANCIAL STATEMENTS 7 Â ItemÂ 2. Management's Discussion and Analysis of Financial Condition and Results of Operations 33 Â Item 3 Quantitative and Qualitative Disclosures About Market Risks 48 ItemÂ 4 Controls and Procedures 48 Â PART II. OTHER INFORMATION 49 ItemÂ 1. Legal Proceedings 49 ItemÂ 1A. Risk Factors 49 ItemÂ 2. Unregistered Sales of Equity Securities and Use of Proceeds 49 ItemÂ 3. Defaults upon Senior Securities 49 ItemÂ 4. Mine Safety Disclosures 49 ItemÂ 5. Other Information 49 ItemÂ 6. Exhibits 50 SIGNATURES 51 Â Â Â i PART I. FINANCIAL INFORMATION ItemÂ 1.Â Â Â Â Â Financial Statements (Unaudited) Â GENIE ENERGY LTD. CONSOLIDATED BALANCE SHEETS (in thousands, except per share amounts) Â June 30,2024 Â Â DecemberÂ 31,2023 Â Â (Unaudited) Â Â (Note 1) Â Assets Â Â Â Â Â Current assets: Â Â Â Â Â Cash and cash equivalents $ 122,342 Â Â $ 107,609 Â Restricted cashâ€”short-term 9,178 10,442 Marketable equity securities Â Â 344 396 Trade accounts receivable, net of allowance for doubtful accounts of $7,349 and $6,574 at June 30, 2024 and December 31, 2023, respectively Â 54,228 Â Â Â 61,909 Â Inventory Â 5,637 Â Â Â 14,598 Â Prepaid expenses Â 11,743 Â Â Â 16,222 Â Other current assets Â 5,576 Â Â Â 5,475 Â Current assets of discontinued operations 7,080 13,182 Total current assets Â 216,128 Â Â Â 229,833 Â Restricted cashâ€”long-term 46,400 44,945 Property and equipment, net 20,234 15,192 Goodwill Â 12,658 Â Â Â 9,998 Â Other intangibles, net Â 2,551 Â Â Â 2,735 Â Deferred income tax assets, net Â 5,209 Â Â Â 5,200 Â Other assets Â 15,308 Â Â Â 15,247 Â Noncurrent assets of discontinued operations 4,295 7,405 Total assets $ 322,783 Â Â $ 330,555 Â Liabilities and equity Â Â Â Â Â Â Current liabilities: Â Â Â Â Â Â Â Trade accounts payable Â 26,585 Â Â Â 27,881 Â Accrued expenses Â 36,288 Â Â Â 49,389 Â Income taxes payable Â 9,062 Â Â Â 6,699 Â Due to IDT Corporation, net Â 150 Â Â Â 145 Â Other current liabilities Â 6,505 Â Â Â 9,280 Â Current liabilities of discontinued operations 4,790 4,858 Total current liabilities Â 83,380 Â Â Â 98,252 Â Noncurrent captive insurance liability 46,400 44,945 Other liabilities Â 2,771 Â Â Â 2,212 Â Noncurrent liabilities of discontinued operations 678 638 Total liabilitiesÂ 133,229 Â Â Â 146,047 Â Commitments and contingenciesÂ Â Â â€” Â Â Â â€” Â Equity: Â Â Â Â Â Â Â Genie Energy Ltd. stockholdersâ€™ equity: Â Â Â Â Â Â Â Preferred stock, $0.01 par value; authorized sharesâ€”10,000: Â Â Â Â Â Â Â Series 2012-A, designated sharesâ€”8,750; at liquidation preference, consisting of 0 shares issued and outstanding at June 30, 2024 and December 31, 2023 â€” ClassÂ A common stock, $0.01 par value; authorized sharesâ€”35,000; 1,574 shares issued and outstanding at June 30, 2024 and December 31, 2023 16 16 Class B common stock, $0.01 par value; authorized sharesâ€”200,000; 28,906 and 28,764 shares issued and 25,438 and 25,820 shares outstanding at June 30, 2024Â and December 31, 2023, respectively 289 288 Additional paid-in capital Â 158,007 Â Â Â 156,101 Â Treasury stock, at cost, consisting of 3,468Â and 2,944 shares of Class B common stock at June 30, 2024 and December 31, 2023 (31,849) (22,661) Accumulated other comprehensive incomeÂ 1,836 3,299 Retained earnings Â 73,779 Â Â 60,196 Total Genie Energy Ltd. stockholdersâ€™ equity Â 202,078 Â Â 197,239 NoncontrollingÂ interests Â (12,524) Â Â (12,731) Total equity Â 189,554 Â Â 184,508 Total liabilities and equity $ 322,783 Â Â $ 330,555 Â See accompanying notes to consolidated financial statements. 1 Â GENIE ENERGY LTD. CONSOLIDATED STATEMENTS OF OPERATIONS(Unaudited) Â ThreeÂ Months EndedÂ June 30, Six Months Ended June 30, Â 2024 2023 2024 2023 Â (in thousands, except per share data) Revenues: Electricity $ 78,301 $ 80,199 $ 167,697 $ 154,686 Natural gas 8,414 8,975 30,812 35,900 Other 3,981 4,289 11,875 8,153 Total revenues 90,696 93,463 210,384 198,739 Cost of revenues 57,360 55,255 143,262 127,245 Gross profit 33,336 38,208 67,122 71,494 Operating expenses: Selling, general and administrative (i) 22,015 23,173 44,916 45,184 Provision for captive insurance liability 640 â€” 1,676 â€” Impairment of assets 118 â€” 118 â€” Income from operations 10,563 15,035 20,412 26,310 Interest income 1,362 1,008 2,702 1,982 Interest expense (331) (30) (363) (49) Gain on marketable equity securities and investments 110 122 227 51 Other income, net 1,262 (104) 1,342 3,142 Income before income taxes 12,966 16,031 24,320 31,436 Provision for income taxes (3,465) (3,865) (6,385) (7,933) Net income from continuing operations 9,501 12,166 17,935 23,503 Â Â (Loss) income from discontinued operations, net of taxes (145) 3,173 (410) 6,227 Net income 9,356 15,339 17,525 29,730 Net (loss) income attributable to noncontrolling interests, net (256) 183 (210) 144 Net income attributable to Genie Energy Ltd. 9,612 15,156 17,735 29,586 Dividends on preferred stock â€” (176) â€” (333) Net income attributable to Genie Energy Ltd. common stockholders $ 9,612 $ 14,980 $ 17,735 $ 29,253 Â Net income (loss) attributable to Genie Energy Ltd. common stockholders Continuing operations $ 9,757 $ 11,807 $ 18,145 $ 23,025 Discontinued operations (145) 3,173 (410) 6,228 Net income attributable to Genie Energy Ltd. common stockholders $ 9,612 $ 14,980 $ 17,735 $ 29,253 Earnings (loss) per share attributable to Genie Energy Ltd. common stockholders: Basic: Continuing operations $ 0.37 $ 0.46 $ 0.68 $ 0.90 Discontinued operations (0.01) 0.12 (0.02) 0.25 Â Â Earnings per share attributable to Genie Energy Ltd. common stockholders $ 0.36 $ 0.58 $ 0.66 $ 1.15 Diluted Continuing operations $ 0.37 $ 0.45 $ 0.67 $ 0.88 Discontinued operations (0.01) 0.12 (0.02) 0.24 Â Â Earnings per share attributable to Genie Energy Ltd. common stockholders $ 0.36 $ 0.57 $ 0.65 $ 1.12 Weighted-average number of shares used in calculation of earnings per share: Basic 26,569 25,708 26,760 25,516 Diluted 27,033 26,321 27,272 26,073 Â Dividends declared per common share $ 0.075 $ 0.075 $ 0.150 $ 0.150 (i)Â Stock-based compensation included in selling, general and administrative expenses $ 458 $ 756 $ 1,207 $ 1,605 Â See accompanying notes to consolidated financial statements. 2 GENIE ENERGY LTD. CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (Unaudited) Â Â ThreeÂ Months EndedÂ June 30, Six Months Ended June 30, 2024 2023 2024 2023 Â (in thousands) Net income $ 9,356 $ 15,339 $ 17,525 $ 29,730 Other comprehensive loss: Foreign currency translation adjustments 3,646 72 (1,436) 44 Comprehensive income 13,002 15,411 16,089 29,774 Comprehensive loss attributable to noncontrolling interests (174) (185) 451 (149) Comprehensive income attributable to Genie Energy Ltd. $ 12,828 $ 15,226 $ 16,540 $ 29,625 Â See accompanying notes to consolidated financial statements. Â 3 GENIE ENERGY LTD.Â CONSOLIDATED STATEMENTS OF EQUITY (in thousands, except dividend per share) Genie Energy Ltd. Stockholders Â Â Preferred Â Â Class A Â Â Class B Â Â Additional Â Â Â Â Accumulated Other Â Â Â Â Non Â Â Â Â Â Â Stock Â Common Stock Â Common Stock Â Paid-In Â Treasury Â Comprehensive Â Retained Â controlling Â Total Â Â Â Â Shares Â Amount Â Shares Â Amount Â Capital Â Stock Â Income Â Earnings Â Interests Â Equity Â BALANCE AT JANUARYÂ 1, 2024 â€” $ â€” 1,574 $ 16 28,765 $ 288 $ 156,101 $ (22,661) $ 3,299 $ 60,196 $ (12,731) $ 184,508 Dividends on commonÂ stock ($0.075Â per share) â€” â€” â€” â€” â€” â€” â€” â€” (2,121) â€” (2,121) Stock-based compensation â€” â€” â€” â€” 14 â€” 749 â€” â€” â€” 749 Restricted Class B common stock purchased from employees â€” â€” â€” â€” â€” â€” (2,523) â€” â€” â€” (2,523) Exercise of stock options â€” â€” â€” â€” 126 1 1,015 â€” â€” â€” 1,016 Purchase of equity of subsidiary â€” â€” â€” â€” â€” â€” (316) â€” â€” â€” (884) (1,200) Repurchase of Class B common stock from stock repurchase program â€” â€” â€” â€” â€” â€” (4,101) â€” â€” â€” (4,101) Other comprehensive (loss) income â€” â€” â€” â€” â€” â€” â€” â€” (5,210) â€” 128 (5,082) Net income (loss) for three months ended March 31, 2024 â€” â€” â€” â€” â€” â€” â€” â€” 8,123 46 8,169 BALANCE ATÂ MARCH 31, 2024 â€” $ â€” 1,574 $ 16 28,905 $ 289 $ 157,549 $ (29,285) $ (1,911) $ 66,198 $ (13,441) $ 179,415 Â Â Preferred Â Â Class A Â Â Class B Â Â Additional Â Â Â Â Accumulated Other Â Â Â Â Non Â Â Â Â Â Â Stock Â Common Stock Â Common Stock Â Paid-In Â Treasury Â Comprehensive Â Retained Â controlling Â Total Â Â Â Â Shares Â Amount Â Shares Â Amount Â Shares Â Amount Â Capital Â Stock Â Income Â Earnings Â Interests Â Equity Â BALANCE AT MARCH 31,Â 2024 â€” $ â€” 1,574 $ 16 28,905 $ 289 $ 157,549 $ (29,285) $ (1,911) $ 66,198 $ (13,441) $ 179,415 Dividends on commonÂ stock ($0.075 per share) â€” â€” â€” â€” â€” â€” â€” â€” (2,031) â€” (2,031) Stock-based compensation â€” â€” â€” â€” 1 â€” 458 â€” â€” â€” 458 Class B common stock purchased from Genie Energy Charitable Foundation â€” â€” â€” â€” â€” â€” (768) â€” â€” â€” (768) Repurchase of Class B common stock from stock repurchase program â€” â€” â€” â€” â€” â€” (1,796) â€” â€” â€” (1,796) Consolidation of a subsidiary â€” â€” â€” â€” â€” â€” â€” â€” â€” â€” 1,286 1,286 Deconsolidation of a subsidiary â€” â€” â€” â€” â€” â€” (12) â€” â€” â€” (12) Other comprehensive income (loss) â€” â€” â€” â€” â€” â€” â€” â€” 3,759 â€” (113) 3,646 Net income (loss) for three months ended June 30, 2024 â€” â€” â€” â€” â€” â€” â€” â€” 9,612 (256) 9,356 BALANCE AT JUNEÂ 30,Â 2024 â€” $ â€” 1,574 $ 16 28,906 $ 289 $ 158,007 $ (31,849) $ 1,836 $ 73,779 $ (12,524) $ 189,554 4 GENIE ENERGY LTD.CONSOLIDATED STATEMENTS OF EQUITY (in thousands, except dividend per share) â€” (Continued) Genie Energy Ltd. Stockholders Â Â Preferred Â Class A Â Â Class B Â Â Additional Â Â Â Â Accumulated Other Â Â Â Â Non Â Â Â Â Â Â Stock Â Common Stock Â Common Stock Â Paid-In Â Treasury Â Comprehensive Â Retained Â controlling Â Â Â Total Â Â Â Â Â Shares Â Amount Â Shares Â Amount Â Shares Â Amount Â Capital Â Stock Â Income Â Earnings Â Interests Â Â Equity Â Â BALANCE AT JANUARY 1, 2023 983 $ 8,359 1,574 $ 16 27,126 $ 271 $ 146,546 $ (19,010) $ 1,926 $ 49,010 $ (13,474) $ 173,644 Dividends on preferred stock ($0.1594 per share) â€” â€” â€” â€” â€” â€” â€” â€” (157) â€” (157) Dividends on commonÂ stock ($0.075 per share) â€” â€” â€” â€” â€” â€” â€” â€” (1,951) â€” (1,951) Stock-based compensation â€” â€” â€” â€” 33 â€” 899 â€” â€” â€” 899 Restricted Class B common stock purchased from employees â€” â€” â€” â€” â€” â€” â€” â€” (165) â€” â€” â€” (165) Redemption of preferred stock (117) (1,000) â€” â€” â€” â€” â€” â€” â€” â€” (1,000) Other comprehensive (loss) income â€” â€” â€” â€” â€” â€” â€” â€” â€” â€” (31) â€” 3 (28) Net income (loss) for three months ended March 31, 2023 â€” â€” â€” â€” â€” â€” â€” â€” â€” â€” 14,431 (39) 14,392 BALANCE AT MARCH 31, 2023 866 $ 7,359 1,574 $ 16 27,159 $ 271 $ 147,445 $ (19,175) $ 1,895 $ 61,333 $ (13,510) $ 185,634 Â Â Preferred Â Class A Â Â Class B Â Additional Â Â Â Accumulated Other Â Â Â Â Non Â Â Â Â Â Â Stock Â Common Stock Â Common Stock Â Paid-In Â Treasury Â Comprehensive Â Retained Â controlling Â Â Â Total Â Â Â Â Â Shares Â Amount Â Shares Â Amount Â Shares Â Amount Â Capital Â Stock Â Income Â Earnings Â Interests Â Â Equity Â Â BALANCE ATÂ MARCH 31, 2023 866 $ 7,359 1,574 $ 16 27,159 $ 271 $ 147,445 $ (19,175) $ 1,895 $ 61,333 $ (13,510) $ 185,634 Dividends on preferred stock ($0.1594Â per share) â€” â€” â€” â€” â€” â€” â€” â€” (176) â€” (176) Dividends on common stock ($0.075 per share) â€” â€” â€” â€” â€” â€” â€” â€” (1,958) â€” (1,958) Stock-based compensation â€” â€” â€” â€” 300 3 753 â€” â€” â€” 756 Restricted Class B common stock purchased from employees â€” â€” â€” â€” â€” â€” (2,438) â€” â€” â€” (2,438) Redemption of preferred stock (866) (7,359) â€” â€” â€” â€” â€” â€” â€” â€” (7,359) Exercise of stock options â€” â€” â€” â€” 257 3 1,112 â€” â€” â€” 1,115 Exercise of warrants â€” â€” â€” â€” 1,048 11 4,989 â€” â€” â€” 5,000 Other comprehensive income â€” â€” â€” â€” â€” â€” â€” â€” 70 â€” 2 72 Net income for three months endedÂ JuneÂ 30, 2023 â€” â€” â€” â€” â€” â€” â€” â€” â€” â€” 15,156 183 15,339 BALANCE AT JUNE 30,Â 2023 â€” $ â€” 1,574 $ 16 28,764 $ 288 $ 154,299 $ (21,613) $ 1,965 $ 74,355 $ (13,325) $ 195,985 5 GENIE ENERGY LTD.Â CONSOLIDATED STATEMENTS OF CASH FLOWS(Unaudited)Â Â Â Six Months EndedJune 30, Â Â Â 2024 Â Â Â 2023 Â Â Â (in thousands) Â Operating activities Â Â Â Â Â Â Net income Â $ 17,525 Â $ 29,730 Â Â Net (loss) income from discontinued operations, net of tax (410) 6,227 Net income from continuing operations 17,935 23,503 Adjustments to reconcile net income to net cash provided by operating activities: Â Â Â Â Â Â Â Â Â Provision for captive insurance liability 1,676 â€” Depreciation and amortization Â Â 415 Â Â Â 191 Â Impairment of assets 118 â€” Provision for doubtful accounts receivable Â Â 1,210 Â Â Â 1,372 Â Inventory valuation allowance 417 â€” Unrealized gain on marketable equity

securitiesÂ and investments and others, net (443) (143) Stock-based compensation Â Â 1,207 Â Â Â 1,648 Â Changes in assets and liabilities:Â Â Â Â Â Â Â Â Â Â Â Trade accounts receivable Â Â 6,565 Â Â (4,468) Inventory Â Â 6,616 Â Â (2,472) Prepaid expenses Â Â 4,479 Â Â (1,971) Other current assets and other assets Â Â 1,919 Â Â 941 Trade accounts payable, accrued expenses and other liabilities Â Â (18,156) Â Â (2,430) Due to IDT Corporation, net Â Â 4 Â Â (21) Income taxes payable Â Â 2,362 Â Â (11,581) Net cash provided by operating activities of continuing operations 26,324 4,569 Â Â Net cash provided by operating activities of discontinued operations 7,011 15,671 Net cash provided by operating activities Â Â 33,335 Â Â 20,240 Investing activities Â Â Â Â Â Â Â Â Capital expenditures Â Â (1,562) Â Â (561) Purchase of solar system facility (1,344) â€” Purchases of marketable equity securities and other investments (3,042) (9,312) Purchase of equity of subsidiary (1,200) â€” Proceeds from the sale of marketable equity securities and other investments â€” 8,009 Proceeds from settlement of equity method investment â€” 282 Repayment of notes receivable Â Â â€” Â Â Â 19 Â Net cash used in investing activities Â Â (7,148) Â Â (1,563) Financing activities Â Â Â Â Â Â Â Â Dividends paid Â Â (4,152) Â Â (4,763) Repurchases of Class B common stock (5,897) â€” Repurchases of Class B common stock from employees Â Â (1,508) Â Â (1,475) Repurchase of Class B common stock from Genie Foundation (768) â€” Proceeds from the exercise of warrants â€” 5,000 Redemption of preferred stock â€” (8,359) Net cash used in financing activities Â Â (12,325) Â Â (9,597) Effect of exchange rate changes on cash, cash equivalents, and restricted cash Â Â (140) Â Â (37) Net increase in cash, cash equivalents, and restricted cash Â Â 13,722 Â Â 9,043 Cash, cash equivalents, and restricted cash (including cash held at discontinued operations) at beginning of period Â Â 165,479 Â Â Â 106,080 Â Cash, cash equivalents and restricted cash (including cash held at discontinued operations) at end of the period 179,201 115,123 Less: Cash held at of discontinued operations at end of period 1,281 465 Cash, cash equivalents, and restricted cash (excluding cash held at discontinued operations) at end of period Â $ 177,920 Â Â $ 114,658 Â Â See accompanying notes to consolidated financial statements. 6 GENIE ENERGY LTD.NOTES TO CONSOLIDATED FINANCIAL STATEMENTS(Unaudited) Â Note 1â€”Basis of Presentation and Business Changes and Development Â The accompanying unaudited consolidated financial statements of Genie Energy Ltd. and its subsidiaries (the â€œCompanyâ€ or â€œGenieâ€) have been prepared in accordance with accounting principles generally accepted in the United States of America (â€œU.S. GAAPâ€) for interim financial information and with the instructions to Form 10-Q and Article 8 of Regulation S-X. Accordingly, they do not include all of the information and footnotes required by U.S.Â GAAP for complete financial statements. In the opinion of management, all adjustments (consisting of normal recurring accruals) considered necessary for a fair presentation have been included. Operating results for the three and sixÂ months ended June 30, 2024 are not necessarily indicative of the results that may be expected for the year ending December 31, 2024. The balance sheet at December 31, 2023 has been derived from the Companyâ€™s audited financial statements at that date but does not include all of the information and footnotes required by U.S. GAAP for complete financial statements. For further information, please refer to the consolidated financial statements and footnotes thereto included in the Companyâ€™s Annual Report on Form 10-K for the year ended December 31, 2023, as filed with the U.S.Â Securities and Exchange Commission (the â€œSECâ€).Â Â Â The Company ownsÂ 100% of Genie Retail Energy (â€œGREâ€)Â and varied interests inÂ entities that comprise the Genie RenewablesÂ segment.Â Â GRE owns and operates retail energy providers (â€œREPsâ€), including IDT Energy (â€œIDT Energyâ€), Residents EnergyÂ (â€œResidents Energyâ€), Town Square Energy and Town Square Energy East (collectively, "TSE"), Southern Federal Power ("Southern Federal") and Mirabito Natural Gas (â€œMirabitoâ€). The majority ofÂ GRE's REP customers are located in the Eastern and Midwestern United States and Texas. MirabitoÂ supplies natural gas to commercial customers in Florida. Genie RenewablesÂ consists of aÂ 95.5% interest inÂ Genie Solar, an integrated solar energy company, aÂ 92.8% interest inÂ CityComÂ Solar, a marketer of community solar and other sales solutions and a 91.5% interest inÂ Diversegy, an energy broker. In addition to being a solar energy developer and operator, Genie Solar owns aÂ 60.0% interest inÂ Prism Solar Technology ("Prism") which designs and manufactures specialized solar panels. Impairment of Assets In the second quarter of 2024, the Company discontinued several projects of Genie Solar as a result of lack of viability. The Company recognized an impairment of assets of $0.1 million related to costs previously capitalized in the property and equipment accounts in the consolidated balance sheets. One-Time Tax Credit In the first quarter of 2023, the Company received $3.1 millionÂ in respect of aÂ one-time tax credit related to payroll taxes incurred in prior years, which the Company recognized as a gain included in other income, net in the accompanying consolidated statements of operations for the six months ended June 30, 2024. Discontinued Operations in Finland and Sweden Prior to the third quarter of 2022, the Company had a third segment, Genie Retail Energy International, or GRE International, which supplied electricity to residential and small business customers in Scandinavia. However, as a result of volatility in the energy market in Europe, in the third quarter of 2022,Â the Company decided to discontinue the operations of LumoÂ EnergiaÂ OyjÂ ("LumoÂ Finland") and LumoÂ EnergiÂ AB ("LumoÂ Sweden").Â The Company determined that the discontinuation of the operations of Lumo Finland and Lumo Sweden represented a strategic shift that would have a major effect on the Company's operations and financial statements. The Company accounts for these businesses as discontinued operations, and accordingly, presents the results of operations and related cash flows as discontinued operations. The results of operations and related cash flows are presented as discontinued operations for all periods. Any remaining assets and liabilities of the discontinued operations are presented separately and reflected within assets and liabilities from discontinued operations in the accompanying consolidated balance sheets as of June 30, 2024 and December 31, 2023.Â LumoÂ Sweden are continuing to liquidate their remaining receivables and settle any remaining liabilities. InÂ November 2022, LumoÂ Finland declared bankruptcy and the administration of LumoÂ Finland was transferred to an administrator (the "LumoÂ Administrators"). All assets and liabilities of LumoÂ Finland remain with LumoÂ Finland, in which Genie retains its equity ownership interest, however, the management and control of LumoÂ Finland were transferred to the LumoÂ Administrators. Since the Company lost control of the management of LumoÂ Finland in favor of the LumoÂ Administrators, the accounts of LumoÂ Finland were deconsolidatedÂ effectiveÂ November 9, 2022. 7 Â Following the discontinuance of operations of LumoÂ Finland and LumoÂ Sweden, GRE International ceased to be a segment and the remaining assets and liabilities and results of continuing operations of GRE International were combined with corporate. Discontinued Operations in the United Kingdom InÂ October 2021, as part of the orderly exit process from the U.Â K. market, Orbit Energy Limited ("Orbit"), a REP owed by the Company that used to operate in United Kingdom, and Shell U.K. Limited ("Shell") agreed to terminate the exclusive supply contract between them. As part of the termination agreement, Orbit was required to unwind all physical forward hedges with Shell which resulted in net cash proceeds after settlement of all related liabilities with Shell.Â Following the termination of the contract with Shell, Orbit filed a petition with the High Court of Justice Business and Property of England and Wales (the â€œCourtâ€) to declare Orbit insolvent based on the Insolvency Act of 1986.Â OnÂ November 29, 2021, the Court declared Orbit insolvent, revoked Orbit's license to supply electricity and natural gas in the United Kingdom, ordered the current customers to be transferred to â€œsupplier of last resortâ€ and transferred the administration of Orbit to an administrator (the" Orbit Administrators") effective December 1, 2021.Â The Company determined that theÂ discontinued operations of Orbit represented a strategic shift that wouldÂ have a major effect on the Company's operations and financial statements. Since the appointmentÂ of the Orbit Administrators, the Company has accounted for these businesses as discontinued operations and accordingly, has presented the results of operations and related cash flows as discontinued operations. Since the Company lost control of the management of Orbit in favor of the Orbit Administrators, the accounts of Orbit were deconsolidated effective December 1, 2021. On November 21, 2023, the Court issued an order to cease the administration and revert the control of Orbit from the Orbit Administrators to the Company effective November 28, 2023. Following the Company regaining control of the management of Orbit, the accounts of Orbit are consolidated effectiveÂ November 28, 2023. Seasonality and Weather; Climate Change and Volatility in Pricing Â The weather and the seasons, among other things, affect GREâ€™sÂ revenues. Weather conditions have a significant impact on the demand for natural gas used for heating and electricity used for heating and cooling. Typically, colder winters increase demand for natural gas and electricity, and hotter summers increase demand for electricity. Milder winters or summers have the opposite effect. Unseasonable temperatures in other periods may also impact demand levels. Natural gas revenues typically increase in the first quarter due to increased heating demands and electricity revenues typically increase in the third quarter due to increased air conditioning use. Approximately 48.1% and 39.7% of GREâ€™s natural gas revenues for the relevant years were generated in the first quarters 2023Â and 2022, respectively, when demand for heating was highest.Â Although the demand for electricity is not as seasonal as natural gas (due, in part, to usage of electricity for both heating and cooling), approximatelyÂ 32.5%Â andÂ 30.5%Â ofÂ GREâ€™sÂ electricity revenues were generated in the third quarters ofÂ 2023Â andÂ 2022,Â respectively.Â GREâ€™s REPsâ€™ revenues and operating income are subject to material seasonal variations, and the interim financial results are not necessarily indicative of the estimated financial results for the full year. In addition to the direct physical impact that climate change may have on the Company's business, financial condition and results of operations because of the effect on pricing, demand for our offerings and/or the energy supply markets, we may also be adversely impacted by other environmental factors, including: (i) technological advances designed to promote energy efficiency and limit environmental impact; (ii) increased competition from alternative energy sources; (iii) regulatory responses aimed at decreasing greenhouse gas emissions; and (iv) litigation or regulatory actions that address the environmental impact of our energy products and services. 8 Note 2â€”Cash, Cash Equivalents, and Restricted Cash Â The following table provides a reconciliation of cash, cash equivalents, and restricted cash reported in the consolidated balance sheet and the corresponding amounts reported in the consolidated statements of cash flows: Â June 30, 2024 Â Â December 31, 2023 Â (in thousands) Cash and cash equivalents $ 122,342 Â Â $ 107,609 Â Restricted cashâ€”short-term Â 9,178 Â Â Â 10,442 Â RestrictedÂ cashâ€”long-term 46,400 44,945 Total cash, cash equivalents, and restricted cash $ 177,920 Â Â $ 162,996 Â Â Restricted cashâ€”short-term includes amounts set aside in accordance with GRE's Amended and Restated Preferred Supplier Agreement with BP Energy Company (â€œBPâ€) (see Note 19),Â Credit Agreement with JPMorganÂ Chase (see Note 20) andÂ restricted for use in order to secure the current portion of the insured liability program (see Note 19). Restricted cashâ€”long-term consists of cash of aÂ wholly-owned captive insurance subsidiary (the "Captive"), which is restricted for use to secure the noncurrent portion of the insured liability program (see Note 19).Â Included in the cash and cash equivalents as of June 30, 2024 and December 31, 2023 is cash received from Lumo Sweden (see Note 5). Â Note 3â€”Inventories Â Inventories consisted of the following: Â June 30, 2024 December 31, 2023 Â (in thousands) Natural gas $ 737 $ 1,309 Â RenewableÂ credits Â 4,827 Â 12,105 Solar panels, net of a valuation allowance of $nil million and $0.8 million at June 30, 2024Â and December 31, 2023, respectively 73 1,184 Totals $ 5,637 $ 14,598 Â In theÂ six months ended June 30, 2024, the Company recorded an inventory valuation allowance of $0.4 million to the cost of revenues to write down the carrying value of solar panel inventories to the estimated net realizable value. There isÂ no inventory valuation allowance recorded for the three months ended June 30, 2024. The solar panel inventories are transferred to ongoing solar projects of Genie Solar together with the inventory valuation allowance in the prepaid assets and property and equipment accounts in the balance sheet. Â NoteÂ 4â€”Revenue Recognition Revenue from the single performance obligation to deliver a unit of electricity and/or natural gas is recognized as the customer simultaneously receives and consumes the benefit.Â Variable quantities in requirements contracts are considered to be options for additional goods and services because the customer has a current contractual right to choose the amount of additional distinct goods to purchase.Â GRE records unbilled revenues for the estimated amount customers will be billed for services rendered from the time meters were last read to the end of the respective accounting period. The unbilled revenue is estimated each month based on available per day usage data, the number of unbilled days in the period and historical trends. 9 IncumbentÂ utility companies in most of the service territories in which GRE'sÂ REPsÂ operate offer purchase of receivables, or POR, and GREâ€™s REPs participate in POR programs for a majority of their receivables. The Company estimates variable consideration related to its rebate programs using the expected value method and a portfolio approach. The Companyâ€™s estimates related to rebate programs are based on the terms of the rebate program, the customerâ€™s historical electricity and natural gas consumption, the customerâ€™s rate plan, and a churn factor. Taxes that are imposed on the Companyâ€™s sales and collected from customers are excluded from the transaction price. Revenue from sales of solar panels are recognized at a point in time following the transfer of control of the solar panels to the customer, which typically occurs uponÂ shipment or delivery depending on the terms of the underlying contracts. For sales contracts that contain multiple performance obligations, such as the shipment orÂ delivery of solar modules, the Company allocates the transaction price to each performance obligation identified in the contract based on relative standalone selling prices, orÂ estimates of such prices, and recognize the related revenue as control of each individual product is transferred to the customer, in satisfaction of the correspondingÂ performance obligations. Revenues from sales of solar panels are included in other revenues in the consolidated statements of operations. Genie Solar enters into contracts to identify, develop, and in some cases operate solar generation sites to provide solar electricity to its customers. Obligations underÂ solar project contracts consist of a series ofÂ tasks and components and accordingly are accounted for as multiple performance obligations. Because the Companyâ€™s performance creates and enhances assets that are controlled by and specific to customers, the Company recognizes construction services revenue over time.Â Revenue for these performance obligations is recognized using the input method based on the cost incurred as a percentage of total estimated contract costs. Due to the significance of the costs associated with solar panels to the total project, our judgment on when such costs should be included in the measure of progress has a material impact on revenue recognition. Contract costs include all direct material and labor costs related to contract performance. Revenues from sales of solar panels and solar panel projects are included under the Other Revenues in the consolidated statements ofÂ operations. Energy generation revenue is earned from both the sale of electricity generated from operating solar projects and the sale of Solar Energy Credits ("SRECs") which are included in the Other Revenues in the consolidated statement of operations. Revenue from energy generation is recognized when the Company satisfies the performance obligation, which occurs at the time of the delivery of electricity at the contractual rates. The Company applies for and receivesÂ SRECsÂ in certain jurisdictions for power generated by solar energy systems it owns. There are no direct costs allocated toÂ SRECsÂ upon generation. The Company typically sells SRECs to different customers from those purchasing the energy. The sale of each SREC is a distinct performance obligation satisfied at a point in time and that the performance obligation related to each SREC is satisfied when each SREC is delivered to the customer. Revenues from commissions from selling third-party products to customers, entry and other fees from the energy brokerage are recognized at the time the performance obligation is met. The Company's contacts with customers for commission revenue contain a single performance obligation and are satisfied at a point in time. Â The Company recognizes the incremental costs of obtaining a contract with a customer as an asset if it expects the benefit of those costs to be longer than one year. The Company determined that certain sales commissions to acquire customers meet the requirements to be capitalized. For GRE, the Company applies a practical expedient to expense costs as incurred for sales commissions to acquire customers as the period would have been one year or less. 10 Disaggregated Revenues Â The following table shows the Companyâ€™s revenues disaggregated by pricing plans offered to customers: Â Â Electricity Natural Gas Other Total (in thousands) Three Months Ended June 30, 2024 Â Fixed rate Â $ 47,207 Â Â $ 3,295 Â Â $ â€” Â Â $ 50,502 Â Variable rate Â Â 31,094 Â Â Â 5,119 Â Â Â â€” Â Â Â 36,213 Â Other Â Â â€” Â Â Â â€” Â Â Â 3,981 Â Â Â 3,981 Â

Total Â $ 78,301 Â Â $ 8,414 Â Â $ 3,981 Â Â $ 90,696 Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Three Months Ended June 30, 2023 Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Fixed rate Â $ 47,625 Â Â $ 2,983 Â Â $ â€” Â Â $ 50,608 Â Variable rate Â Â 32,574 Â Â Â 5,992 Â Â Â â€” Â Â 38,566 Â Other Â Â â€” Â Â Â â€” Â Â Â 4,289 Â Â Â 4,289 Â Total Â $ 80,199 Â Â $ 8,975 Â Â $ 4,289 Â Â $ 93,463 Â Six Months Ended June 30, 2024 Fixed rate $ 99,303 $ 10,724 $ â€” $ 110,027 Variable rate 68,394 20,088 â€” 88,482 Other â€” â€” 11,875 11,875 Total $ 167,697 $ 30,812 $ 11,875 $ 210,384 Six Months Ended June 30, 2023 Fixed rate $ 77,130 $ 8,598 $ â€” $ 85,728 Variable rate 77,556 27,302 â€” 104,858 Other â€” â€” 8,153 8,153 Total $ 154,686 $ 35,900 $ 8,153 $ 198,739 Fixed and variable rate revenues are from GRE. Other revenues are revenues from Genie Renewables which includes revenues from solar panels, solar projects and energy generation by Genie Solar, commissions from marketing energy solutions by CityComÂ Solar and Diversegy. Â 11 Â The following table shows the Companyâ€™s revenues disaggregated by non-commercial and commercial channels: Â Â Â Electricity Â Â Natural Gas Â Â Other Â Â Total Â (in thousands) Three Months Ended June 30, 2024 Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Non-Commercial Channel Â $ 72,759 Â Â $ 2,784 Â Â $ â€” Â Â $ 75,543 Â Commercial Channel Â Â 5,542 Â Â Â 5,630 Â Â Â â€” Â Â Â 11,172 Â Other Â Â â€” Â Â Â â€” Â Â Â 3,981 Â Â Â 3,981 Â Total Â $ 78,301 Â Â $ 8,414 Â Â $ 3,981 Â Â $ 90,696 Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Three Months Ended June 30, 2023 Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Non-Commercial Channel Â $ 65,332 Â Â $ 5,939 Â Â $ â€” Â Â $ 71,271 Â Commercial Channel Â Â 14,867 Â Â Â 3,036 Â Â Â â€” Â Â Â 17,903 Â Other Â Â â€” Â Â Â â€” Â Â Â 4,289 Â Â Â 4,289 Â Total Â $ 80,199 Â Â $ 8,975 Â Â $ 4,289 Â Â $ 93,463 Â Six Months Ended June 30, 2024 Non-Commercial Channel $ 155,701 $ 22,551 $ â€” $ 178,252 Commercial Channel 11,996 8,261 â€” 20,257 Other â€” â€” 11,875 11,875 Total $ 167,697 $ 30,812 $ 11,875 $ 210,384 Six Months Ended June 30, 2023 Non-Commercial Channel $ 125,454 $ 26,721 $ â€” $ 152,175 Commercial Channel 29,232 9,179 â€” 38,411 Other â€” â€” 8,153 8,153 Total $ 154,686 $ 35,900 $ 8,153 $ 198,739 Contract liabilities Certain revenue generating contracts at Renewables include provisions that require advance payment from customers. These advance payments are recognized as revenue as the Company satisfies the performance obligations to the other party. A portion of the transaction price allocated to the performance obligations to be satisfied in future periods is recognized as a contract liability. Contract liabilities are included in other current liabilities account in the consolidated balance sheet. The table below reconciles the change in the carrying amount of contract liabilities: Â Six Months Ended June 30, 2024 2023 Â (in thousands) Contract liability, beginning $ 5,582 $ 1,759 Â Recognition of revenue included in the beginning of the year contract liability (3,691) (736) Additions during the period, net of revenue recognized during the period 2,117 1,714 Contract liability, end $ 4,008 $ 2,737 Â 12 Â Allowance for doubtful accounts The change in the allowance for doubtful accounts was as follows: Â Â Six Months Ended June 30, 2024 2023 Â (in thousands) Allowance for doubtful accounts, beginning $ 6,574 $ 4,826 Â Additions charged to expense 1,210 1,372 Other deductions (435) â€” Allowance for doubtful accounts, end $ 7,349 $ 6,198 Â Note 5â€”Acquisitions and Discontinued Operations Consolidation of Roded In December 2022, the Company, entered into an investment agreement with RodedÂ RecyclingÂ Industries Ltd. ("Roded") and its current owners to acquire a 45.0% noncontrolling interest in RodedÂ for New Israel ShekelÂ ("NIS")5.0 million (equivalent to $1.5 million at the date of the transaction). RodedÂ is engaged in developing a process to recycle used plastic materials into usable industrial products.Â The Company accounts for its ownership interest in Roded using the equity method. From December 2022 to April 2024, the Company contributed an aggregate of $0.4 million gradually increasing its interest inÂ RodedÂ to a 51.2% controlling interest on April 12, 2024.Â Prior to April 12, 2024, the net book value of the Company's investment in Roded was $1.3 million. Following the transaction, the Company has control over the activities of Roded. The Company recorded a minimal revenue for Roded in its consolidated statements of operations and comprehensive income for three and six months ended June 30, 2024. The net income or loss attributable to this acquisition cannot be identified on a stand-alone basis because it is in the process of being integrated into the Company's operations. The Company conducted a preliminary assessment of assets and liabilities related to the acquisition ofÂ Roded. The impact of the acquisition's purchase price allocations on the Companyâ€™s consolidated balance sheet and the acquisition date fair value of the total consideration transferred were as follows (amounts in thousands): Cash and other current liabilities $ 200 Â Property, plant and equipment (1 to 10-year useful life) 573 Goodwill 2,660 Liabilities (850) Noncontrolling interest (1,243) Net assets $ 1,340 Goodwill was allocated to the Renewables segment. Goodwill is the excess of the consideration transferred over the net assets recognized and represents the expected revenue and cost synergies of the combined company and assembled workforce. Goodwill recognized as a result of the acquisition is not deductible for income tax purposes. Acquisition of Solar System Facilities OnÂ November 3, 2023, the Company acquiredÂ tenÂ special-purpose entities that own and operate solar system facilities in Ohio and Michigan. The Company paid a total of $7.5Â million, including $1.0Â million held in escrow which was released in June 2024. The acquisition has been accounted for as asset acquisition and the Company recorded $7.7 million in total purchase price, including $0.2 million of direct transaction costs allocated to solar array assets included in the property and equipment account in the consolidated balance sheet with estimated useful lives ofÂ 14 to 30 years. OnÂ November 3, 2023, the Company also signed an agreement to purchase from the sellers another special purpose entity that owned and operated a solar system facility in Indiana, for $1.3Â million, subject to the satisfaction of certain closing conditions. In February 2024, the purchase of the solar system facility in Indiana was completed.Â The acquisition has been accounted for as asset acquisitionÂ and the Company recorded $1.3Â million to solar array assets included in the property and equipment account in the consolidated balance sheet with estimated useful lives ofÂ 30Â years. 13 The acquired assets are allocated to theÂ RenewablesÂ segment. LumoÂ Finland and LumoÂ Sweden Operations As a result of the sustained volatility of the energy market in Europe, in the third quarter of 2022, the Company decided to discontinue the operations ofÂ Lumo Finland and Lumo Sweden. From July 13, 2022 to July 19, 2022, the Company entered into a series of transactions to sell most of the electricity swap instruments held by Lumo Sweden. The sale price has been fixed and is expected to continue to be settled monthly based on the monthly commodity volume specified in the instruments from September 2022 to March 2025. The Company determined that the discontinuation of operations ofÂ LumoÂ Finland and LumoÂ Sweden represented a strategic shift that would have a major effect on the Company's operations and financial statements and accordingly, the results of operations and related cash flows are presented as discontinued operations for all periods presented. The assets and liabilities of the discontinued operations are presented separately and reflected within assets and liabilities from discontinued operations in the accompanying consolidated balance sheets as of June 30, 2024 and December 31, 2023. LumoÂ Sweden is continuing to liquidate its remaining receivables and to settle any remaining liabilities.Â Â In November 2022, Lumo Finland declared bankruptcy and the administration of Lumo Finland was transferred to the LumoÂ Administrators. All assets and liabilities of Lumo Finland remain with Lumo Finland, in which Genie retains its equity ownership interest, however, the management and control of Lumo Finland were transferred to the Lumo Administrators. Since the Company lost control of the management of Lumo Finland in favor of the Lumo Administrators, the accounts of Lumo Finland were deconsolidated effective November 9, 2022. The following table represents summarized balance sheet information of assets and liabilities of the discontinued operations ofÂ LumoÂ Sweden: Â June 30, 2024 Â Â December 31, 2023 (in thousands) Assets Â Â Â Â Â Cash Â $ 1,281 Â Â $ 2,483 Â Receivables from the settlement of derivative contractâ€”current Â Â 5,799 Â Â Â 10,699 Â Current assets of discontinued operations Â $ 7,080 Â Â $ 13,182 Â Receivables from the settlement of derivative contractâ€”noncurrent $ â€” $ 2,362 Other noncurrent assets 4,295 5,078 Noncurrent assets of discontinued operations $ 4,295 $ 7,440 LiabilitiesÂ Â Â Â Â Â Â Â Â Income taxes payable 2,039 1,399 Accounts payable and other current liabilities Â Â 31 Â Â 91 Current liabilities of discontinued operations Â $ 2,070 Â Â $ 1,490 Â Deferred tax liabilities 678 698 Noncurrent liabilities of discontinued operations $ 678 $ 698 14 The summary of the results of operations of the discontinued operations of LumoÂ Sweden were as follows: Â Â Three Months Ended June 30, Six Months Ended June 30, Â 2024 2023 2024 2023 Â (in thousands) Income from operations $ â€” $ â€” $ â€” $ â€” Other income, net 60 946 (503) 1,196 Income before income taxes 60 946 (503) 1,196 Provision for income taxes 85 (337) 93 (405) Net loss from discontinued operations, net of taxes $ 145 $ 609 $ (410) $ 791 Income before income taxesÂ attributable to Genie Energy Ltd. $ 60 $ 946 $ (503) $ 1,196 Â The following table presents a summary of cash flows of the discontinued operationsÂ ofÂ LumoÂ Sweden: Â Six Months Ended June 30, Â 2024 2023 Â (in thousands) Net (loss) income $ (410) $ 791 Non-cash items 398 (1,198) Changes in assets and liabilities 6,964 16,078 Cash flows provided by operating activities of discontinued operations $ 6,952 $ 15,671 Prior to being treated as discontinued operations or being deconsolidated, the assets and liabilities of LumoÂ Finland and LumoÂ Sweden were included in GRE International segment. On November 8, 2023, the Lumo Administrators, acting on behalf of the Bankruptcy Estate, filed a claim in the District Court of Helsinki against Genie Nordic, a wholly owned subsidiary of the Company and the parent company of LumoÂ Finland, its directors, officers and affiliates, in which it alleges that the gain from the sale of swap instruments owned by LumoÂ Sweden amounting to â‚¬35.2Â million (equivalent to $37.8 million as of June 30, 2024) belongs to the Bankruptcy Estate. The Bankruptcy Estate filed an additional claim with the District Court on May 27, 2024 against LumoÂ Sweden for â‚¬4.8 million (equivalent to $5.2 million as of June 30, 2024), also alleging that the gain from the sale of the swap instruments belongs to the BankruptcyÂ Estate, bringing the aggregate sum of claims related to the gain from sale of swap instruments toÂ â‚¬40.0 million (equivalent to $43.0 million as of June 30, 2024).Â The Company believes that the Lumo Administrators' position is without merit, and it intends to vigorously defend its position. Genie was also notified that the Lumo Administrators filed a claim against one of Lumo Finlandâ€™s suppliers, seeking to recover payments made by Lumo Finland amounting toÂ â‚¬4.2 million (equivalent to $4.5 million as of June 30, 2024) prior to the bankruptcy. Related to such payment, the Lumo Administrators haveÂ filed a recovery claim jointly against the Company and the supplier for â‚¬1.6 million (equivalent to $1.7 million as of June 30, 2024) alleging that a portion of the payment by LumoÂ Finland effectively reduced the Company's liability under the terms of a previously supplied parental guarantee (this â‚¬1.6 million is included within and not additive to the â‚¬4.2 million).Â The Lumo Administrators allege that the payments represented preferential payments and therefore belong to the bankruptcy estate which are recoverable under the laws of Finland. The Company intends to challenge the Lumo Administrators' claims.Â Should the Lumo Administrators succeed in clawing back the funds from the supplier, it is possible that the supplier may seek to recover its losses against the Company, under terms of the parental guarantee.Â At this time,Â there is insufficient basis to assess an amount of any probable loss. Â 15 U.K.Â Operations In the third quarter of 2021, the natural gas and energy market in the United Kingdom deteriorated which prompted the Company to start the process of orderly withdrawal from the United Kingdom. In October 2021, as part of the orderly exit process, Orbit and Shell agreed to terminate the exclusive supply contract between them. As part of the termination agreement, Orbit was required to unwind all physical forward hedges with Shell which resulted in net cash proceeds after settlement of all related liabilities with Shell.Â Â Following the termination of the contract with Shell, Orbit filed a petition with the High Court of Justice Business and Property of England and Wales (the â€œCourtâ€) to declare Orbit insolvent based on the Insolvency Act of 1986.Â On November 29, 2021, the Court declared Orbit insolvent, revoked Orbit's license to supply electricity and natural gas in the United Kingdom, ordered the current customers to be transferred to â€œsupplier of last resortâ€ and transfer the administration of Orbit to Orbit Administrators effective December 1, 2021, which transfer was effective December 1, 2021. All assets and liabilities of Orbit, including cash and receivables remained with Orbit and the management and control of which was transferred to Orbit Administrators.Â As a result of loss of control, the CompanyÂ deconsolidatedÂ Orbit effective December 1, 2021 and estimated the remaining liability related to its ownership of Orbit. The Company determined that the discontinued operations of Orbit represented a strategic shift that would have a major effect on the Company's operations and financial statements and accordingly, the results of operations and related cash flows are presented as discontinued operations effective December 1, 2021. OnÂ November 21, 2023, the Court issued an order to cease the administration and revert the control of Orbit from the Orbit Administrators to the Company effectiveÂ November 28, 2023. Following the Company regaining control of the management of Orbit, the accounts of Orbit were reconsolidated effectiveÂ November 28, 2023.Â In 2023, the Orbit Administrators paid the Company a return of its interest in Orbit of Â£18.8Â million (equivalent to $23.7 million on the dates of transfer). There wasÂ no income or loss from discontinued operations recognized in the three andÂ six months ended June 30, 2024.Â In the three andÂ six months ended June 30, 2023, the Company recognized income from discontinued operation, net of taxes of $2.6 million and $5.4 million, respectively, mainly from theÂ increases in the estimated value of our investments in Orbit due to a change in estimated net assets of Orbit after the expected settlementÂ of the liabilities by the Orbit Administrators.Â Prior to being treated as discontinued operations and deconsolidation, the assets and liabilities of Orbit were included in the Company's former GRE International segment. Â Note 6â€”Fair Value Measurements The following table presents the balance of assets and liabilities measured at fair value on a recurring basis: Level 1 (1) Level 2 (2) Level 3 (3) Total (in thousands) June 30, 2024 Assets: Marketable equity securities $ 344 $ â€” $ â€” $ 344 Derivative contracts $ 750 $ â€” $ â€” $ 750 Liabilities: Derivative contracts $ 592 $ â€” $ â€” $ 592 December 31, 2023 Assets: Marketable equity securities $ 396 $ â€” $ â€” $ 396 Derivative contracts $ 673 $ â€” $ â€” $ 673 Liabilities: Derivative contracts $ 1,724 $ â€” $ â€” $ 1,724 16 (1) â€“ quoted prices in active markets for identical assets or liabilities (2) â€“ observable inputs other than quoted prices in active markets for identical assets and liabilities (3) â€“ no observable pricing inputs in the market The Companyâ€™s derivative contracts consist of natural gas and electricity put and call options and swaps. The underlying asset in the Companyâ€™s put and call options is a forward contract. The Companyâ€™s swaps are agreements whereby a floating (or market or spot) price is exchanged for a fixed price over a specified period. The Company did not have any transfers of assets or liabilities between Level 1, Level 2 or Level 3 of the fair value measurement hierarchy during the three months ended June 30, 2024 or 2023. Fair Value of Other Financial Instruments The estimated fair value of the Companyâ€™s other financial instruments was determined using available market information or other appropriate valuation methodologies. However, considerable judgment is required in interpreting this data to develop estimates of fair value. Consequently, the estimates are not necessarily indicative of the amounts that could be realized or would be paid in a current market exchange. Restricted cashâ€”short-term, trade receivables, due to IDT Corporation, other current assets and other current liabilities. At June 30, 2024 and December 31, 2023, the carrying amounts of these assets and liabilities approximated fair value. The fair value estimate for restricted cashâ€”short-term was classified as Level 1. The carrying value of other current assets, due to IDT Corporation, and other current liabilities approximated fair value. Other assets. At June 30, 2024 and December 31, 2023, other assets included notes receivable. At June 30, 2024, the carrying amount of the notes receivable approximated fair value. The fair values were estimated based on the Companyâ€™s assumptions, and were classified as Level 3 of the fair value hierarchy. The primary non-recurring fair value estimates typically are in the context of goodwill impairment testing, which involves Level 3 inputs, and asset impairments (Note 10) which utilize Level 3 inputs. Concentration of Credit Risks The Company holds cash, cash equivalents, and restricted cash at several major financial institutions, which may exceed Federal Deposit Insurance Corporation insured limits. Historically, the Company has not experienced any losses due to such concentration of credit risk. The Companyâ€™s temporary cash investments policy is to limit the dollar amount of investments with any one financial institution and monitor the credit ratings of those institutions. While the Company may be exposed to credit losses due to the nonperformance of the holders of its deposits, the Company does not expect the settlement of these transactions to have a material effect on its results of operations, cash flows or financial condition. The following table summarizes the percentage of consolidated trade receivable

by customers that equal or exceed 10.0% of consolidated net trade receivables at June 30, 2024 and December 31, 2023 (no other single customer accounted for 10.0% or greater of our consolidated net trade receivable as June 30, 2024 or December 31, 2023): June 30, 2024 December 31, 2023 Customer A 20.7 % 21.4 % The following table summarizes the percentage of revenues by customers that equal or exceed 10.0% of consolidated revenues for the three and six months ended June 30, 2024 and 2023 (no other single customer accounted for 10.0% or greater of our consolidated revenues in these periods): Three Months Ended June 30, Six Months Ended June 30, 2024 2023 2024 2023 Customer A 23.0 % 18.7 % 22.4 % 13.2 % Customer B 10.0 na na na naâ€”less than 10.0% of consolidated revenue in the period 17 Note 7â€”Derivative Instruments The primary risk managed by the Company using derivative instruments is commodity price risk, which is accounted for in accordance with Accounting Standards Codification 815 â€” Derivatives and Hedging. Natural gas and electricity put and call options and swaps are entered into as hedges against unfavorable fluctuations in market prices of natural gas and electricity. The Company does not apply hedge accounting to these options or swaps, therefore the changes in fair value are recorded in earnings. By using derivative instruments to mitigate exposures to changes in commodity prices, the Company exposes itself to credit risk and market risk. Credit risk is the failure of the counterparty to perform under the terms of the derivative contract. When the fair value of a derivative contract is positive, the counterparty owes the Company, which creates credit risk. The Company minimizes the credit or repayment risk in derivative instruments by entering into transactions with high-quality counterparties. At June 30, 2024, GREâ€™s swaps and options were traded on the Intercontinental Exchange. The summarized volume of GREâ€™s outstanding contracts and options at June 30, 2024 was as follows (MWh â€“ Megawatt hour and Dth â€“ Decatherm): Settlement Dates Volume Electricity (in MWH) Gas (in Dth) Third quarter of 2024 41,712 155,000 Fourth quarter of 2024 â€” â€” First quarter of 2025 â€” 225,000 Second quarter of 2025 â€” 227,500 Third quarter of 2025 â€” 230,000 Fourth quarter of 2025 â€” 230,000 First quarter of 2026 â€” â€” Second quarter of 2026 â€” â€” Third quarter of 2026 3,520 â€” The fair value of outstanding derivative instruments recorded in the accompanying consolidated balance sheets were as follows: Asset Derivatives Balance Sheet Location June 30,2024 December 31, 2023 (in thousands) Derivatives not designated or not qualifying as hedging instruments: Energy contracts and options1 Other current assets $ 444 $ 321 Energy contracts and options Other assets 306 352 Total derivatives not designated or not qualifying as hedging instruments â€” Assets $ 750 $ 673 Liability Derivatives Balance Sheet Location June 30, 2024 December 31, 2023 (in thousands) Derivatives not designated or not qualifying as hedging instruments: Energy contracts and options1 Other current liabilities $ 592 $ 1,716 Energy contracts and options Other liabilities â€” 8 Total derivatives not designated or not qualifying as hedging instruments â€” Liabilities $ 592 $ 1,724 (1) The Company classifies derivative assets and liabilities as current based on the cash flows expected to be incurred within the following 12 months. 18 The effects of derivative instruments on the consolidated statements of operations was as follows: Amount of Loss Recognized on Derivatives Derivatives not designated or not qualifying as Location of Gain Recognized Three Months Ended June 30, Six Months Ended June 30, hedging instruments on Derivatives 2024 2023 2024 2023 (in thousands) (in thousands) Energy contracts and options Cost of revenues $ 8,404 $ 5,954 $ 13,936 $ 17,129 Â Note 8â€”Other Assets Â Other assets consisted of the following:Â Â June 30, 2024 Â December 31, 2023 Â (in thousands) Security deposit Â $ 7,282 Â Â $ 7,950 Â Right-of-use assets, net of amortization Â Â 1,828 Â Â Â 2,138 Â Investments in equity securities 3,834 2,605 Fair value of derivative contractsâ€”noncurrentÂ 307 352 Other assets Â Â 2,057 Â Â Â 2,202 Â Total other assets $ 15,308 Â Â $ 15,247 Â Â Note 9â€”Investments Investments in businesses that the Company does not control, but in which the Company has the ability to exercise significant influence over operating and financial matters, are accounted for using the equity method. The Company periodically evaluates its equity method investments for impairment due to declines considered to be other than temporary. If the Company determines that a decline in fair value is other than temporary, then a charge to earnings is recorded, and a new basis in the investment is established. For equity securities without readily determinable fair values, the Company elected to measures the investments using net assets value, as a practical expedient.Â These investments are valued based on the most recent available information. In determining the value of the investment, the Company considers whether adjustments to the net asset values are necessary in certain circumstances in which management is aware of material events that affect the value of the investments during the intervening period.Â Changes in fair value are recognized in â€œgain (loss) on marketable equity securities and investments â€ on our consolidated statements of operations. For equity securities that do not have a readily determinable fair value and do not reportÂ net asset value. These investments are accounted for using a measurement alternative under which they are measured at cost and adjusted for observable price changes and impairments. Observable price changes result from, among other things, equity transactions for the same issuer executed during the reporting period, including subsequent equity offerings or other reported equity transactions related to the same issuer.Â 19 Â Equity investments consist of the following: Â Location in Balance Sheet Measurement June 30, 2024 December 31, 2023 (in thousands) Rafael Holdings, Inc. Marketable equity securities Quoted market price $ 344 $ 396 Alternative investmentsâ€”restrictedÂ (see Note 19) Other current assets Net asset value $ 2,258 $ â€” Alternative investmentsâ€”unrestrictedÂ Other current assets Cost 2,150 3,801 Total included in other current assets $ 4,408 $ 3,801 PRI Fuel SupplyÂ Ltd. Other noncurrent assets Equity method $ 324 $ â€” CPP Genie Community Solar Other noncurrent assets Equity method 275 303 RodedÂ (see Note 4) Other noncurrent assets Equity method â€” 1,268 Alternative investmentsâ€”restrictedÂ (see Note 19) Other noncurrent assets Net assets value 935 â€” Alternative investmentsâ€”unrestricted Other noncurrent assets Cost 2,300 1,034 Total included in other noncurrent assets $ 3,834 $ 2,605 Restricted investments are investments in equity securities owned and managed by the Captive. The changes in the carrying values of the Company's equity investments without readily determinable fair values for which the Company elected the measurement alternative were as follows: Six Months Ended June 30, 2024 2023 (in thousands) Balance, beginning of period Â $ 4,835 Â Â $ 3,178 Purchase Â Â 3,025 Â Â Â â€” Gain (loss) recognized during the period 365 13 Distribution Â Â (582) Â Â â€” Balance, end of period $ 7,643 $ 3,191 Â Note 10â€”Goodwill and Other Intangible Assets Â The table below reconciles the change in the carrying amount of goodwill for the period from January 1, 2024 to June 30, 2024:Â Â Â GRE Genie Renewables Total (in thousands) Balance at January 1, 2024 Â $Â 9,998 $ â€” $ 9,998 Consolidation of Roded â€” 2,660 2,660 Balance at June 30, 2024Â Â $ 9,998 $ 2,660 $ 12,658 Â 20 The table below presents information on the Companyâ€™s other intangible assets:Â Â Â Â Weighted Average Amortization Period Â Â Gross Carrying Amount Â Â Accumulated Amortization Â Â Net Balance Â (in thousands) June 30, 2024 Â Â Â Â Â Â Â Â Â Â Â Â Patents and trademarks Â Â 18.1Â years Â Â $ 3,510 Â Â $ (1,481) Â $ 2,029 Â Customer relationships Â Â 9.0Â years Â Â Â 1,100 Â Â Â (835) Â Â 265 Â Licenses Â 10.0Â years Â Â Â 479 Â Â Â (222) Â Â 257 Â TotalÂ Â Â Â Â $ 5,089 Â Â $ (2,538) Â $ 2,551 Â December 31, 2023 Â Patent and trademark Â Â 18.1 years Â Â $ 3,510 Â Â $ (1,383) Â $ 2,127 Â Customer relationships Â Â 9.0 years Â Â Â 1,100 Â Â Â (774) Â Â 326 Â Licenses Â Â 10.0 years Â Â Â Â 479 Â Â Â (198) Â Â 281 Â Total Â Â Â Â Â $ 5,089 Â Â $ (2,355) Â $ 2,734 Â Â Amortization expense of intangible assets wasÂ $0.1 millionÂ and $0.2Â millionÂ in theÂ three and six months ended June 30, 2024, respectively.Â Amortization expense of intangible assets was $0.1Â million and $0.2Â millionÂ in the three andÂ six months ended June 30, 2023. The Company estimates that amortization expense of intangible assets will be $0.2 million, $0.4Â million, $0.3Â million, $0.3Â million, $0.2Â million and $1.2 million for the remainder of 2024, and forÂ 2025, 2026, 2027, 2028 and thereafter,Â respectively. Â Note 11â€”Accrued Expenses and Other Current Liabilities Accrued expenses consisted of the following:Â Â Â Â June 30, 2024 Â Â December 31, 2023 Â (in thousands) RenewableÂ energy Â $ 20,793 Â Â $ 31,662 Â Liability to customers related to promotions and retention incentives Â Â 7,159 Â Â Â 9,493 Â Payroll and employee benefit 2,021 5,095 Other accrued expenses Â Â 5,315 Â Â Â 3,139 Â Total accrued expenses $ 35,288 $ 49,389 Â Other current liabilities consisted of the following: Â June 30, 2024 Â Â December 31, 2023 Â (in thousands) Contract liabilities Â $ 4,007 Â Â $ 5,582 Â Current hedge liabilities 592 1,716 Current lease liabilities 185 309 Current captive insurance liability 364 143 Others Â Â 1,357 Â Â Â 1,530 Â Total other current liabilities $ 6,505 $ 9,280 Â 21 Note 12â€”Leases The Company is the lessee under operating lease agreements primarily for office space in domestic and foreign locations where it has operations and for solar development projects with lease periods expiring betweenÂ 2024Â andÂ 2052. The Company has no finance leases.Â The CompanyÂ determines if a contract is a lease at inception. Right-of-Use ("ROU") assets are included under other assets in the consolidated balance sheet. The current portion of the operating lease liabilities are included in other current liabilities and the noncurrent portion is included in other liabilities in the consolidated balance sheet.Â Â ROU assets and operating lease liabilities are recognized at the present value of the future lease payments at the lease commencement date. The interest rate used to determine the present value of the future lease payments is the incremental borrowing rate, because the interest rate implicit in most of our leases is not readily determinable. The incremental borrowing rate is estimated to approximate the interest rate on a collateralized borrowing rate based on information available at the lease commencement date. ROU assets also include any prepaid lease payments and lease incentives. The lease terms include periods under options to extend or terminate the lease when it is reasonably certain that we will exercise that option. The Company uses the base, non-cancelable, lease term when determining the lease assets and liabilities. Operating lease expense is recognized on a straight-line basis over the lease term. Â Â Â June 30, 2024 Â December 31, 2023 (in thousands) ROU Assets $ 1,828 $ 2,138 Current portion of operating lease liabilities 185 309 Noncurrent portion of operating lease liabilities 1,743 1,952 Total Â $Â 1,928 Â $ 2,261 AtÂ June 30, 2024, the weighted average remaining lease term wasÂ 14.8Â years and the weighted average discount rate is 6.3%. Supplemental cash flow information for ROU assets and operating lease liabilities are as follows: Â Six Months Ended June 30, 2024 2023 Cash paid for amounts included in the measurement of lease liabilities: (in thousands) Operating cash flows from operating activities $ 300 $ 331 ROU assets obtained in the exchange for lease liabilities Operating leases $ â€” $ 237 Future lease payments under operating leases as of June 30, 2024 were as follows: Â (in thousands) Remainder of 2024 Â $ 172 Â 2025 306 2026 301 2027 306 2028 312 ThereafterÂ 2,241 Total future lease payments 3,638 Less imputed interest 1,710 Total operating lease liabilities Â $ 1,928 Â Rental expenses under operating leases wereÂ $0.2 million andÂ $0.3Â million for the three and six months endedÂ June 30, 2024.Â Rental expenses under operating leases wereÂ $0.2Â million andÂ $0.3Â millionÂ for each of theÂ three and sixÂ months endedÂ June 30, 2023. 22 Note 13â€”EquityÂ Â Dividend Payments Â The following table summarizes the quarterly dividends declared and paid by the Company on its Class A and Class B common stock during the six months ended June 30, 2024Â (in thousands, except per share amounts): Â Â Declaration Date Â Dividend Per Share Â Â Aggregate Dividend Amount Â Â Record Date Â Payment Date February 8, 2024 $ 0.0750 $ 2,121 February 20, 2024 February 28, 2024 May 2, 2024 0.0750 2,031 May 20, 2024 May 31, 2024 On August 1, 2024, the Companyâ€™s Board of Directors declared a quarterly dividend of $0.0750 per share on its Class A common stock and Class B common stock for the first quarter of 2024. The dividend will be paid on or about August 21, 2024Â to stockholders of record as of the close of business on August 14, 2024. Stock Repurchases and Redemption; Treasury Shares Â On March 11, 2013, the Board of Directors of the Company approved a program for the repurchase of up to an aggregate of 7.0 million shares of the Companyâ€™s ClassÂ B common stock.Â In theÂ three months ended June 30, 2024, the Company acquired 118,758Â Class B common stock under the stock purchase program for an aggregate amount of $1.8 million.Â In theÂ six months ended June 30, 2024, the Company acquiredÂ 368,758Â Class B common stock under the stock purchase program for an aggregate amount of $5.9Â million.Â There wereÂ noÂ purchases under this program in theÂ three and sixÂ months endedÂ June 30, 2023.Â AtÂ June 30, 2024, 4.3 million shares of Class B common stock remained available for repurchase under the stock repurchase program. As of June 30, 2024 and December 31, 2023, there were 3.5Â million and 2.9 million outstanding shares of Class B common stock held in the Company'sÂ treasury, respectively, with a cost basis of $31.8 million and $22.7 million, respectively, at a weighted average cost per share of $9.18Â and $7.75, respectively. On February 7, 2022, the Board of Directors of the Company authorized a program to redeem, beginning, in the second quarter of 2033, up to $1.0 million per quarter of the Company's Preferred Stock at the liquidation preference of $8.50 per share. In 2023Â and 2022, the Company redeemed and aggregate ofÂ Â 2,322,726Â shares of Preferred Stock at the liquidation preference of $8.50 for an aggregate amount of $19.8Â million.Â Following the redemption, there are no shares of Preferred Stock outstanding, all rights of Preferred Stockholders have terminated, and the Preferred Stockâ€™s ticker symbol, "GNEPRA", has been retired. 23 Exercise of Stock Options In February 2024, Howard S. Jonas exercised options to purchase 126,176 shares of Class B common stock through a cashlessÂ exercise and the Company issued 49,632 Class B common stock to Howard S. Jonas with the remaining 76,544 Class B common stock used for payment of the exercise price or retained by the Company to satisfy withholding tax obligations in connection to the exercise of the options. In May 2023, Howard S. Jonas exercised options to purchase 256,818 shares of Class B common stock through a cashlessÂ exercise and the Company issued 98,709 Class B common stock to Howard S. Jonas with the remaining 158,109 Class B common stock used for payment of the exercise price or retained by the Company to satisfy withholding tax obligations in connection to the exercise of the options. At June 30, 2024, There wereÂ no outstanding options to purchase the Company's common stock. Warrants to Purchase Class B Common Stock Â On June 8, 2018, the Company sold to Howard S. Jonas, the Chairman of the Companyâ€™s Board of Directors and the beneficial holder of the controlling portion of the Company's common stock, shares of the Companyâ€™s Class B common stockÂ andÂ warrants to purchase an additional 1,048,218 shares of the Companyâ€™s Class B common stock at an exercise price of $4.77 per share for an aggregate exercise price of $5.0 million.Â In June 2023, theÂ holders of these warrants exercised the warrants to purchase 1,048,218 shares of Class B common stock warrants for $5.0 million. As of June 30, 2024, there were no outstanding warrants to purchaseÂ shares of the Company's common stock. Purchase of Equity of SubsidiariesÂ Â InÂ February 2024, the Company purchased from aÂ certain investor aÂ 0.5% equity interest in Genie Energy International Corporation ("GEIC"), which holds the Company's interest in its operating subsidiaries for $1.2Â million. Following this transaction, GEIC is a wholly owned subsidiary of the Company. Stock-Based CompensationÂ Â On March 8,Â 2021, the Board of DirectorsÂ adopted the Company'sÂ 2021 Stock Option and Incentive Plan (the "2021 Plan"), subject to the approvalÂ of the Company's stockholders. In May 2021, the 2021 Plan became effective and replaced the Company's 2011 Stock Option and IncentiveÂ Plan. The 2021 PlanÂ provides incentives to executives, employees, directors and consultants of the Company. Incentives available under the 2021 Plan provide for grants of stock options, stock appreciation rights, limited stock appreciation rights, deferred stock units, and restricted stock. The Plan is administered by the Compensation Committee of the Companyâ€™s Board of Directors. The maximum number of shares reserved for the grant of awards under the 2021 Plan upon adoption wasÂ 1.0Â millionÂ shares of ClassÂ B Common Stock. On May 10, 2023, the Company's stockholders approvedÂ an amendment to the 2021 Plan that, among other things, increased the number of shares of the Companyâ€™sÂ Class B common stock available for the grant of awards thereunder by 0.5 million shares of Class B Common Stock. In February 2022, the Company granted certain employees and members of its Board of Directors an aggregate ofÂ 290,000Â deferred stock units which were eligible to vest in two tranches contingent upon the achievement of a specified thirty-day average closing price of the Company's Class B common stock within a specified period of time (the "2022Â market conditions") and the satisfaction of service-based vesting conditions. Each deferred stock unit entitled the recipient to receive, upon vesting, up to two shares of Class B common stock of the Company depending on market conditions. The Company used a Monte Carlo simulation model to estimate the grant-date fair value of the awards. Assumptions and estimates utilized in the model include the risk-free interest rate, dividend yield, expected stock volatility based on a combination of the Companyâ€™s historical

stock volatility. In the second quarter of 2022, the 2022 market conditions were partially achieved and the Company issued 290,000 shares of its restricted Class B common stock. In February 2023, the remaining portion of the 2022 market conditions was achieved and the Company issued an additional 290,000Â restricted shares of its Class B common stock in May 2023. The restricted shares issued are subject to service-based vesting conditions as described above. As of June 30, 2024, there were approximately $0.4Â million of total unrecognized stock-based compensation costs related to outstanding and unvested equity-based grants. These costs are expected to be recognized over a weighted-average period of approximately 0.9 years.Â Â Â Â 24 Note 14â€”Variable Interest Entity Â Citizens Choice Energy, LLC (â€œCCEâ€) is a REP that resells electricity and natural gas to residential and small business customers in the State of New York. The Company does not own any interest in CCE. Since 2011, the Company has provided CCE with substantially all of the cash required to fund its operations. The Company determined that it has the power to direct the activities of CCE that most significantly impact its economic performance and it has the obligation to absorb losses of CCE that could potentially be significant to CCE on a stand-alone basis. The Company therefore determined that it is the primary beneficiary of CCE, and as a result, the Company consolidates CCE within its GRE segment. The net income or loss incurred by CCE was attributed to noncontrolling interests in the accompanying consolidated statements of operations. Â Net loss related to CCE and aggregate net funding provided by the Company were as follows: Â Three Months Ended June 30, Six Months Ended June 30, 2024 2023 2024 2023 (in thousands) Net income (loss) $ 132 $ 73 $ 158 $ (19) Aggregate funding (provided by) paid to the Company, net $ (21) $ 113 $ 71 $ (79) Â Summarized combined balance sheet amounts related to CCE was as follows: Â Â June 30,2024 Â Â December 31, 2023 Â (in thousands) Assets Â Â Â Â Â Â Cash, cash equivalents and restricted cash Â $ 396 Â Â $ 265 Â Trade accounts receivable Â Â 202 Â Â Â 275 Â Prepaid expenses and other current assets Â Â 323 Â Â Â 323 Â Other assets Â Â 362 Â Â Â 360 Â Total assets Â $ 1,283 Â Â $ 1,223 Â Liabilities and noncontrolling interests Â Â Â Â Â Â Â Â Current liabilities Â $ 589 Â Â $ 611 Â Due to IDT Energy Â Â 4,822 Â Â Â 4,893 Â Noncontrolling interests Â Â (4,128) Â Â (4,281) Total liabilities and noncontrolling interests Â $ 1,283 Â Â $ 1,223 Â Â The assets of CCE may only be used to settle obligations of CCE, and may not be used for other consolidated entities. The liabilities of CCE are non-recourse to the general credit of the Companyâ€™s other consolidated entities. 25 Â NoteÂ 15â€”Income Taxes Â The following table provides a summary of Company's effectiveÂ tax rate:Â Â Â Three Months Ended June 30, Six Months Ended June 30, Â 2024 2023 2024 2023 Reported tax rate 26.7 % 24.1 % 26.3 % 25.2 % Â The reported tax rates for theÂ three and sixÂ months ended June 30, 2024Â decreasedÂ compared to the same period in 2023. The decreases are mainly from the change in the mix of tax rates in the jurisdictions where the Company earned taxable income.Â Â Â Note 16â€”Earnings Per Share Â Basic earnings per share is computed by dividing net income or loss attributable to all classes of common stockholders of the Company by the weighted average number of shares of all classes of common stock outstanding during the applicable period. Diluted earnings per share is computed in the same manner as basic earnings per share, except that the number of shares is increased to include restricted stock still subject to risk of forfeiture and to assume exercise of potentially dilutive stock options using the treasury stock method, unless the effect of such increases is anti-dilutive.Â Â Â The weighted-average number of shares used in the calculation of basic and diluted earnings per share attributable to the Companyâ€™s common stockholders consists of the following: Â Â Three Months Ended June 30, Six Months Ended June 30, 2024 2023 2024 2023 (inÂ thousands) (inÂ thousands) Basic weighted-average number of shares 26,569 25,708 26,760 25,516 Effect of dilutive securities: Non-vested restricted Class B common stock 464 555 512 508 Stock options and warrants â€” 58 â€” 49 Diluted weighted-average number of sharesÂ 27,033 26,321 27,272 26,073 Â Unissued vested deferred stock units in three andÂ six months ended June 30, 2023Â pertain to the weighted average of restricted shares of the company'sÂ Class B common stock that the Company expected, at that time, to issue related to satisfaction of 2022 market conditions (see Note 13 â€” Equity) to the vesting of certain then outstanding deferred stock units.Â There were no other instruments excluded from the computation of diluted earnings per share for each of the three andÂ six months ended June 30, 2024 and 2023. 26 Note 17â€”Related Party TransactionsÂ Â Â On November 2, 2023,Â the Company made a charitable donation to the Genie Energy Charitable Foundation (the "Genie Foundation") by issuing 50,000Â shares of Class B common stock from its treasury with on the date of the donation of approximatelyÂ $1.0 million. On April 17, 2024, the Company repurchased the 50,000 shares of Class B common stock from the Genie Foundation for $0.8 million. The Company is the sole member of the Genie Foundation and the Company's Chief Executive Officer and Chief Financial Officer serve as members of the board of directors of the Genie Foundation. On December 7, 2020, the Company invested $5.0 million to purchase 218,245 shares of Class B common stock of Rafael Holdings, Inc. ("Rafael"). Rafael, a publicly-traded company, is also a related party. Rafael is a former subsidiary of IDT that was spun off from IDT in March 2018. Howard S. Jonas is the Executive ChairmanÂ and Chairman of the Board of Directors of Rafael.Â In connection with the purchase, Rafael issued to the Company warrants to purchase an additional 43,649Â shares of Rafael's Class B common stock with an exercise price of $22.91 per share. The warrants had a term expiring on June 6, 2022. The Company exercised the warrants in full on March 31, 2021 for a total exercise price of $1.0 million.Â In March 2023,Â the Company soldÂ 195,501Â shares of Class B common stock of Rafael for $0.3Â million. In the second quarter of 2023, the Company acquired 150,000 Class B common stock of Rafael for $0.3 million.Â For the three and six months ended June 30, 2024Â and 2023Â the Company recognized a loss ofÂ minimalÂ amount and $0.1 million, respectively,Â in connection with the investment. At June 30, 2024, the Company holds 0 Class B common stock of Rafael with a carrying value of $0.3Â million.Â The Company does not exercise significant influence over the operating or financial policies of Rafael. The Company was formerly a subsidiary of IDT Corporation (â€œIDTâ€). On October 28, 2011, the Company was spun-off by IDT. The Company entered into various agreements with IDT prior to the spin-off including an agreement for certain services to be performed by the Company and IDT. The Company also provides specified administrative services to certain of IDTâ€™s foreign subsidiaries. Howard Jonas is the Chairman of the Board of IDT. The charges for services provided by IDT to the Company, net of the charges for the services provided by the Company to IDT, are included in â€œSelling, general and administrativeâ€ expense in the consolidated statements of operations.Â Â Â Three Months EndedÂ June 30, Six Months Ended June 30, Â Â 2024 2023 2024 2023 Â (in thousands) (in thousands) Amount IDT charged the CompanyÂ Â $ 304 $ 310 $ 523 $ 634 Amount the Company charged IDT $ 31 $ 30 $ 67 $ 61 Â The following table presents the balance of receivables and payables to IDT:Â Â Â Â June 30, 2024 Â Â December 31, 2023 Â Â Â (in thousands) Â Due to IDT Â $ 170 Â Â $ 165 Â Due from IDTÂ Â $ 20 Â Â $ 20 Â Â The Company obtains insurance policies from several insurance brokers, one of which is IGM Brokerage Corp. (â€œIGMâ€). IGM is owned by the mother of Howard S. Jonas and Joyce Mason, who is a Director and Corporate Secretary of the Company. Jonathan Mason, husband of Joyce Mason and brother-in-law of Howard S. Jonas, provides insurance brokerage services via IGM. Based on information the Company received from IGM, the Company believes that IGM received commissions and fees from payments made by the Company (including payments from third party brokers). The Company paid IGM a total of $0.4 million inÂ 2023Â related to premium of various insurance policies that were brokered by IGM. There was no outstanding payable to IGM as of June 30, 2024. Neither Howard S. Jonas nor Joyce Mason has any ownership or other interest in IGM other than via the familial relationships with their mother and Jonathan Mason.Â Â Investments in Atid 613 Â In September 2018, the Company divested a majority interest in AtidÂ Drilling Ltd. in exchange for aÂ 37.5% interest in a contracting drilling company in Israel ("Atid 613") which the Company accounted for using equity method of accounting.Â In March 2023, the Company received $0.1 million from Atid 613 for the full settlement of its investments in Atid 613. The Company recognized a minimal gain from settlement of investment included in other income (loss), net in its consolidated statements of operations for the three months ended June 30, 2024. The Company did not recognize any equity in net loss fromÂ AtidÂ 613Â for theÂ three months ended June 30, 2023. Â 27 Note 18â€”Business Segment InformationÂ Â The Company has twoÂ reportable business segments: GRE and Genie Renewables. GRE owns and operates REPs, including IDT Energy, Residents Energy, TSE, Southern Federal and Mirabito. Its REP businesses resell electricity and natural gas to residential and small business customers in the Eastern and Midwestern United States and Texas. GenieÂ RenewablesÂ develops, constructs and operates solar energy projects,Â distributes solar panels, offers energy brokerage and advisory services and also sells third-party products to customers.Â Corporate costs include unallocated compensation, consulting fees, legal fees, business development expenses and other corporate-related general and administrative expenses. Corporate does not generate any revenues, nor does it incur any cost of revenues. The Companyâ€™s reportable segments are distinguished by types of service, customers and methods used to provide their services. The operating results of these business segments are regularly reviewed by the Companyâ€™s chief operating decision-maker.Â The accounting policies of the segments are the same as the accounting policies of the Company as a whole. The Company evaluates the performance of its business segments based primarily on income (loss) from operations. There are no significant asymmetrical allocations to segments.Â Â Operating results for the business segments of the Company were as follows: Â (in thousands)Â Â GRE Genie Renewables Â Â Corporate Â Â Total Â Three Months Ended June 30, 2024 Revenues $ 86,718 $ 3,978 $ â€” $ 90,696 Income (loss) from operations 14,611 (1,390) (2,658) 10,563 Depreciation and amortization 46 150 â€” 196 Stock-based compensation 260 9 189 458 Provision for doubtful accounts receivables 481 â€” â€” 481 Provision for (benefit from) income taxes 4,454 (231) (758) 3,465 Three Months Ended June 30, 2023 Revenues $ 89,733 $ 3,730 $ â€” $ 93,463 Income (loss) from operations 18,417 (1,276) (2,106) 15,035 Depreciation and amortization 83 13 â€” 96 Stock-based compensation 275 9 472 756 Provision for (benefit from) income taxes 5,369 (474) (1,030) 3,865 Provision for doubtful accounts receivables 798 â€” â€” 798 Six Months Ended June 30, 2024 Revenues $ 199,183 $ 11,201 $ â€” $ 210,384 Income (loss) from operations 28,860 (2,036) (6,412) 20,412 Depreciation and amortization 151 264 â€” 415 Stock-based compensation 507 17 683 1,207 Provision for (benefit from) income taxes 8,543 (841) (1,317) 6,385 Provision for doubtful accounts receivables 1,210 â€” â€” 1,210 Six Months Ended June 30, 2023 Revenues $ 191,145 $ 7,594 $ â€” $ 198,739 Income (loss) from operations 34,864 (2,425) (6,129) 26,310 Depreciation and amortization 165 26 â€” 191 Stock-based compensation 548 10 1,047 1,605 Provision for (benefit from) income taxes 10,019 (789) (1,297) 7,933 Provision for doubtful accounts receivables 1,372 â€” â€” 1,372 28 Total assets for the business segments of the Company were as follows (in thousands) Â GRE GenieÂ Renewables Â Â Corporate Â Â Total Â Total assets: Â Â Â Â Â Â Â Â Â Â June 30, 2024 Â $ 207,940 $ 34,815 Â Â $ 80,028 Â Â $ 322,783 Â December 31, 2023 214,121 28,912 87,522 330,555 The total assets of corporate segment includes total assets of discontinued operations ofÂ LumoÂ Finland and LumoÂ Sweden with aggregate net book value of $11.4 million and $20.6 million at June 30, 2024 and December 31, 2023, respectively. Note 19Â â€” Commitments and Contingencies Legal ProceedingsÂ On September 29, 2023, the Attorney General of the State of Illinois filed a complaint against Residents Energy in the Circuit Court of Cook County, Illinois, Chancery Division.Â The Complaint alleges several counts of violations of the Illinois Consumer Fraud and Deceptive Business Practices Act, 815 ILCS 505/1 et seq., and the Illinois Telephone Solicitations Act, 815 ILCS 413/1 et seq., in connection with Residents Energyâ€™s marketing practices, and seeks monetary damages to redress any resulting losses alleged to have been incurred by customers, civil penalties for certain alleged violations in the amount of $50.0 thousand per violation, and other forms of injunctive and equitable relief to prevent future violations.Â The Company denies these allegations and intends to vigorously defend itself against any and all claims. As of March 31, 2024, there is insufficient basis to deem any loss probable or to assess the amount of any possible loss.Â For theÂ three and six months ended June 30, 2024,Â Resident Energyâ€™s gross revenues from sales in Illinois were $8.2Â million and $20.7Â million, respectively.Â For theÂ three and sixÂ months ended June 30, 2023, Resident Energyâ€™s gross revenues from sales in Illinois was $10.4Â million and $24.0Â million, respectively The Company may from time to time be subject to legal proceedings that arise in the ordinary course of business. Although there can be no assurance in this regard, the Company does not expect any of those legal proceedings to have a material adverse effect on the Companyâ€™s results of operations, cash flows or financial condition. Refer to Note 5â€”AcquisitionsÂ andÂ Discontinued Operations, for discussion related to the administration of LumoÂ Finland.Â Â Agency and Regulatory ProceedingsÂ Â From time to time, the Company receives inquiries or requests for information or materials from public utility commissions or other governmental regulatory or law enforcement agencies related to investigations under statutory or regulatory schemes, and the Company responds to those inquiries or requests. The Company cannot predict whether any of those matters will lead to claims or enforcement actions or whether the Company and the regulatory parties will enter into settlements before a formal claim is made.Â Â Â Â Â Â Â Â Other Commitments Â Purchase Commitments Â The Company had future purchase commitments of $140.5 million at June 30, 2024, of which $126.3 million was for future purchase of electricity. The purchase commitments outstanding as of June 30, 2024 are expected to be paid as follows:Â (in thousands) Â Â Â Â Â Remainder of 2024 Â Â $ 76,313 Â Â 2025 Â Â Â 53,645 Â Â 2026 Â Â Â 9,505 Â Â 2027 1,020 Thereafter Â Â Â â€” Â Â Total payments Â Â $ 140,483 29 In theÂ three months ended June 30, 2024, the Company purchased $19.9Â million and $8.1 million of electricity and renewable energy credits, respectively, under these purchase commitments.Â In theÂ six months ended June 30, 2024, the Company purchased $44.5Â million and $9.9Â million of electricity and renewable energy credits, respectively, under these purchase commitments. In theÂ three months ended June 30, 2023, the Company purchased $15.2Â million and $5.7Â million of electricity and renewable energy credits, respectively, under these purchase commitments.Â In theÂ six months ended June 30, 2023,Â the Company purchased $24.3Â million and $12.2Â million of electricity and renewable energy credits, respectively, under these purchase commitments. Renewable Energy CreditsÂ Â GRE must obtain a certain percentage or amount of its power supply from renewable energy sources in order to meet the requirements of renewable portfolio standards in the states in which it operates. This requirement may be met by obtaining renewable energy credits that provide evidence that electricity has been generated by a qualifying renewable facility or resource. AtÂ June 30, 2024,Â GRE had commitments to purchase renewable energy credits of $14.2 million. Captive Insurance Subsidiary Â In December 2023, the Company established the Captive insurance company with the primary purpose of enhancing the Company's risk financing strategies. The Captive insures the Company against certain risks unique to the operations of the Company and its subsidiaries for which insurance may not be currently available or economically feasible in today's insurance marketplace.Â The covered risks are both current and related to historical business activities. The Company, with input from external experts, estimated the expected ultimate cost of: 1) claims defense cost, settlements and penalties resulting from insured risk, and 2) stranded risk which includes economic losses due to regulatory restrictions or unanticipated reduction of demand, as well as the level cost associated with contesting such restrictions.Â The amount of the expected loss liability for each risk is based on an analysis performed by a third-party actuary which assumed historical patterns. The key assumptions used in developing these estimates are subject to variability. In December 2023, the Company paid a $51.2 million premium to the Captive, which is, recognized as restricted cash in the consolidated balance sheet. At June 30, 2024, the balance of short-term and long-term restricted cash and cash equivalents of the Captive are $5.1 million and $46.4 million, respectively. The Captive must maintain a sufficient level of cash to fund future reserve payments and secure the insurer's liabilities, particularly those related to insured risks. The Captive has restricted investments in equity securities included in other current assets and other assets in the consolidated balance sheets (see Note 9). The Company also recognized a $0.6 million and $1.7 million provision for captive insurance liability for the three andÂ six months ended June 30, 2024, respectively, related to the Captive's exposure for the insured risks.Â At June 30, 2024, the current portion of the captive insurance liability of $0.4 million is included in other current liabilities on the consolidated balance sheet. 30 The table below reconciles the change in the current and noncurrent captive insurance liabilities for six months ended June

30, 2024 (in thousands): Current and noncurrent captive insurance liabilities, beginning $ 45,088 Â Changes for the provision of prior year claims 2,810 Changes for the provision for current year claims (1,134) Payment of claims â€” Current and noncurrent captive insurance liabilities, end $ 46,764 The captive insurance liability outstanding atÂ June 30, 2024Â is expected to be paid as follows (in thousands). Remainder of 2024 Â Â Â $ 182 2025 Â Â Â 907 2026 Â Â 2,038 2027 Â Â 3,072 2028 Â Â 3,709 Thereafter Â Â 36,856 Total paymentsÂ Â Â Â Â Â Â Â Â Â $ 46,764 Â Performance Bonds and Unused Letters of Credit Â GRE has performance bonds issued through a third party for certain utility companies and for the benefit of various states in order to comply with the statesâ€™ financial requirements for REPs. At June 30, 2024, GRE had aggregate performance bonds of $21.4Â million outstanding and minimal amount of unused letters of credit.Â Â BP Energy Company Preferred Supplier Agreement Â Certain of GREâ€™s REPs are party to an Amended and Restated Preferred Supplier Agreement with BP, which is to be in effect throughÂ November 30, 2026. Under the agreement, the REPs purchase electricity and natural gas at market rate plus a fee. The obligations to BP are secured by a first security interest in deposits or receivables from utilities in connection with their purchase of the REPsâ€™ customerâ€™s receivables, and in any cash deposits or letters of credit posted in connection with any collateral accounts with BP. The ability to purchase electricity and natural gas under this agreement is subject to satisfaction of certain conditions including the maintenance of certain covenants. At June 30, 2024, the Company was in compliance with such covenants. At June 30, 2024, restricted cashâ€”short-term of $0.8 million and trade accounts receivable of $59.1 million were pledged to BP as collateral for the payment of trade accounts payable to BP ofÂ $20.1 millionÂ atÂ June 30, 2024. 31 Note 20â€”Debt On December 13, 2018,Â the Company entered into a Credit Agreement with JPMorgan Chase Bank (the â€œCredit Agreementâ€). On February 14, 2024, the Company entered into the fourth amendment of the existing Credit Agreement to extend the maturity date to December 31, 2024. The aggregate available borrowing amount was reduced to $3.0 million credit line facility (the â€œCredit Lineâ€). The Company pays a commitment fee of 0.1% per annum on the unused portion of the Credit Line as specified in the Credit Agreement. The borrowed amounts will be in the form of letters of credit which will bear interest of 1.0% per annum. The Company will also pay a fee for each letter of credit that is issued equal to the greater of $500 or 1.0% of the original maximum available amount of the letter of credit. The Company agreed to deposit cash in a money market account at JPMorgan Chase Bank as collateral for the line of credit equal to $3.1 million. As of June 30, 2024, there are no letters of credit issued by JP Morgan Chase Bank. At June 30, 2024, the cash collateral of $4.5 million was included in restricted cashâ€”short-term in the consolidated balance sheet.Â Â Note 21â€”Recently Issued Accounting Standards In December 2023, the FASB issued ASU 2023-09,Â Income Taxes (Topic 740): Improvements to Income Tax DisclosuresÂ (â€œASU 2023-09â€). ASU 2023-09 will require public entities to disclose on an annual basis a tabular reconciliation using both percentages and amounts, broken out into specific categories with certain reconciling items at or above 5% of the statutory (i.e. expected) tax further broken out by nature and/or jurisdiction. The new provisions require all entities to disclose on an annual basis the amount of income taxes paid (net of refunds received), disaggregated between federal (national), state/local and foreign, and amounts paid to an individual jurisdiction when 5% or more of the total income taxes paid. The new provisions are required to be applied on a prospective basis; retrospective application is permitted. The guidance is effective for annual periods beginning after December 15, 2024. Early adoption is permitted. Although the new standard only requires additional disclosures, the Company is in the process of determining the impact of this guidance to its income tax disclosures. In November 2023, the FASB issued ASU 2023-07,Â Segment Reporting (Topic 280): Improvements to Reportable Segment DisclosuresÂ (â€œASU 2023-07â€). ASU 2023-07 amends Accounting Standards Codification 280,Â Segment ReportingÂ (â€œASC 280â€)Â to require public entities to disclose significant segment expenses and other segment items that are regularly provided to the chief operating decision maker (â€œCODMâ€) and included in each reported measure of a reportable segmentâ€™s profit or loss, on an annual and interim basis, and provide in interim periods all disclosures about a reportable segmentâ€™s profit or loss and assets that are currently required annually. The new provisions permit entities to report multiple measures of a reportable segmentâ€™s profit or loss if the CODM uses those measures to allocate resources and assess performance. The new standard is required to be applied retrospectively to all periods presented in the financial statements, unless impracticable. The new standard is effective for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024. Early adoption is also permitted. Although the new standards only require additional disclosures, the Company is in the process of determining the impact of this guidance to its segment disclosures. 32 ItemÂ 2.Â Managementâ€™s Discussion and Analysis of Financial Condition and Results of Operations Â The following information should be read in conjunction with the accompanying consolidated financial statements and the associated notes thereto of this Quarterly Report, and the audited consolidated financial statements and the notes thereto and our Managementâ€™s Discussion and Analysis of Financial Condition and Results of Operations contained in our Annual Report on Form 10-K for the year ended December 31, 2023, as filed with the U.S. Securities and Exchange Commission (or SEC). Â As used below, unless the context otherwise requires, the terms â€œthe Company,â€ â€œGenie,â€ â€œwe,â€ â€œus,â€ and â€œourâ€ refer to Genie Energy Ltd., a Delaware corporation, and its subsidiaries, collectively. Â Forward-Looking Statements Â This Quarterly Report on Form 10-Q contains forward-looking statements within the meaning of SectionÂ 27A of the Securities Act of 1933 and SectionÂ 21E of the Securities Exchange Act of 1934, including statements that contain the words â€œbelieves,â€ â€œanticipates,â€ â€œexpects,â€ â€œplans,â€ â€œintends,â€ and similar words and phrases. These forward-looking statements are subject to risks and uncertainties that could cause actual results to differ materially from the results projected in any forward-looking statement. In addition to the factors specifically noted in the forward-looking statements, other important factors, risks and uncertainties that could result in those differences include, but are not limited to, those discussed below under Part II, Item IA and under Item 1A to Part I â€œRisk Factorsâ€ in our Annual Report on Form 10-K for the year ended December 31, 2023. The forward-looking statements are made as of the date of this report and we assume no obligation to update the forward-looking statements, or to update the reasons why actual results could differ from those projected in the forward-looking statements. Investors should consult all of the information set forth in this report and the other information set forth from time to time in our reports filed with the SEC pursuant to the Securities Act of 1933 and the Securities Exchange Act of 1934, including our Annual Report on Form 10-K for the year ended December 31, 2023. Overview Â We are comprised of Genie Retail Energy ("GRE") and Genie Renewables.Â GRE owns and operates retail energy providers ("REPs"), including IDT Energy, Residents Energy, Town Square Energy ("TSE"), Southern Federal and Mirabito Natural Gas. GRE's REPs' businesses resell electricity and natural gas primarily to residential and small business customers, with the majority of the customers in the Eastern and Midwestern United States and Texas. Genie RenewablesÂ holds ourÂ 95.5% interest inÂ Genie Solar, an integrated solar energy company, ourÂ 92.8% interest in CityComÂ Solar, a marketer of community solar and other sales solutions and ourÂ 96.0% interest inÂ Diversegy, an energy broker. In addition to being a solar developer and operator, Genie Solar holds our 60.0% interest in Prism Solar Technology ("Prism")Â which designs and manufactures specialized solar panels. As part of our ongoing business development efforts, we seek out new opportunities, which may include complementary operations or businesses that reflect horizontal or vertical expansion from our current operations. Some of these potential opportunities are considered briefly and others are examined in further depth.Â In particular, we seek out acquisitions to expand the geographic scope and size of our REP businesses. 33 Discontinued Operations in Finland and Sweden As a result of volatility in the energy market in Europe, in the third quarter of 2022, we decided to discontinue the operations of LumoÂ Energia Oyj ("Lumo Finland") and Lumo Energi AB ("LumoÂ Sweden"). In July 2022, the Company entered into a series of transactions to sell most of theÂ electricity swap instruments held by Lumo Sweden.Â The sale price is to be settled monthly based on the monthly commodity volume specified in the instruments from September 2022 to March 2025.Â The Company also entered into a series of transactions to transfer the customers ofÂ LumoÂ Finland andÂ LumoÂ Sweden to other suppliers. We determined that the discontinuance of operations of Lumo Finland and Lumo Sweden represented a strategic shift that would have a major effect on our operations and financial statements. We account for these businesses as discontinued operations and accordingly, present the results of operations and related cash flows as discontinued operations for all periods presented.Â Any remaining assets and liabilities of the discontinued operations are presented separately and are reflected within assets and liabilities from discontinued operations in the accompanying consolidated balance sheets as of June 30, 2024 andÂ December 31, 2023.Â LumoÂ Sweden are continuing to liquidate its remaining receivables and to settle any remaining liabilities. OnÂ November 7, 2022, LumoÂ Finland filed a petition for bankruptcy, which was approvedÂ by the Helsinki District Court on November 9, 2022.Â The administration of LumoÂ Finland was transferred to the Lumo Administrators. All assets and liabilities of LumoÂ Finland remain with LumoÂ Finland, in which we retain our equity ownership interest, however, the management and control of LumoÂ Finland were transferred to the LumoÂ Administrators. Since the Company lost control of the management of LumoÂ Finland in favor of the LumoÂ Administrators, the accounts of Lumo Finland were deconsolidatedÂ effective November 9, 2022. Net loss from discontinued operations of Lumo Finland and Lumo Sweden, net of taxes was $0.1 million and $0.6 million for theÂ three months ended June 30, 2024Â and 2023,Â respectively.Â Net loss from discontinued operations ofÂ LumoÂ Finland andÂ LumoÂ Sweden, net of taxes was $0.4Â million and $0.8Â million for theÂ six months ended June 30, 2024Â and 2023,Â respectively.Â Following the discontinuance of operations of LumoÂ Finland and LumoÂ Sweden, GRE International ceased to be a segment and the remaining assets and liabilities and results of continuing operations of GRE International were combined with corporate. On November 8, 2023, the LumoÂ Administrators, acting on behalf of the Bankruptcy Estate, filed a claim in the District Court of Helsinki against Genie Nordic, its directors, officers and affiliates, in which it alleges that the gain from the sale of swap instruments owned by LumoÂ Sweden amounting to â‚¬35.2Â million (equivalent to $37.8 million as of June 30, 2024) belongs to the Bankruptcy Estate.Â The Bankruptcy Estate filed an additional claim with the District Court on May 27, 2024 against LumoÂ Sweden for â‚¬4.8 million (equivalent to $5.2 million as of June 30, 2024), also alleging that the gain from the sale of the swap instruments belongs to the BankruptcyÂ Estate, bringing the aggregate sum of claims related to the gain from sale of swap instruments toÂ â‚¬40.0 million (equivalent to $43.0 million as of June 30, 2024).Â The Company believes that the Lumo Administrators' position is without merit, and it intends to vigorously defend its position. We are also notified that the Lumo Administrators filed a claim against one of Lumo Finlandâ€™s suppliers, seeking to recover payments made by Lumo Finland amounting toÂ â‚¬4.2 million (equivalent to $4.5 million as of June 30, 2024) prior to the bankruptcy. Related to such payment, the Lumo Administrators have filed a recovery claim jointly against us and the supplier for â‚¬1.6 million (equivalent to $1.7 million as of June 30, 2024) alleging that a portion of the payment by Lumo Finland effectively reduced our liability under the terms of a previously supplied parental guarantee (this â‚¬1.6 is included within and not additive to theÂ â‚¬4.2Â million).Â The Lumo Administrators allege that the payments represented preferential payments and therefore belong to the bankruptcy estate which are recoverable under the laws of Finland.Â We intend to challenge the Lumo Administrators' claims.Â Nevertheless, should the Lumo Administrators succeed in clawing back the funds from the supplier, it is possible that the supplier will seek to recover its losses against us, under terms of the parental guarantee.Â At this timeÂ there is insufficient basis to assess an amount of any probable loss. Discontinued Operations in the United Kingdom Â On November 29, 2021 Orbit Energy LimitedÂ ("Orbit"), which operated in United Kingdom wasÂ declared and itsÂ customers were transferred to a â€œsupplier of last resort.â€ Effective December 1, 2021, the administration of Orbit was transferred to a third party Administrators (the "Orbit Administrators"). The accounts of Orbit were deconsolidated from those of the Company effective December 1, 2021. We determined that the discontinued operations of Orbit represented a strategic shift that would have a major effect on our operations and the financial statements. Since the appointment of the Orbit Administrators, we accounted theirÂ businessesÂ as discontinued operations and accordingly, have presented the results of operations and related cash flows as discontinued operations. Any remaining assets and liabilities of theÂ discontinued operations have been presented separately, and are reflected within assets and liabilities from discontinued operations in the accompanying consolidated balance sheets as of December 31, 2022.Â Since the Company lost control of the management of Orbit in favor of the Orbit Administrators, the accounts of Orbit wereÂ deconsolidatedÂ effectiveÂ December 1, 2021. 34 OnÂ November 28, 2023, the administration of Orbit ceased and the control of Orbit reverted back to the Company from the Orbit Administrators. The accounts of Orbit were reconsolidatedÂ with those of the Company effective November 28, 2023. There wereÂ noÂ income or loss from discontinued operations recognized in the three andÂ six months ended June 30, 2024.Â In the three andÂ six months ended June 30, 2023, the Company recognized income from discontinued operation, net of taxes of $2.6. and $5.4Â million, respectively, mainly from theÂ increase in the estimated value of our investments in Orbit due to a change in estimated net assets of Orbit after the Orbit Administrators settle the liabilities.Â Genie Retail Energy Â GRE operates REPs that resell electricity and/or natural gas to residential and small business customers in Connecticut, Delaware, Florida, Georgia, Illinois, Indiana, Maine,Â Maryland, Massachusetts, Michigan, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Texas, Rhode Island, and Washington, D.C. GREâ€™s revenues represented approximatelyÂ 95.6% and 94.7% of our consolidated revenuesÂ in the three and six months endedÂ June 30, 2024,Â respectivelyÂ and 96.0%Â and 96.2%Â of our consolidated revenuesÂ in the three and sixÂ months endedÂ June 30, 2023, respectively. Seasonality and Weather; Climate Change and Volatility in Pricing Â The weather and the seasons, among other things, affect GREâ€™s REPs' revenues. Weather conditions have a significant impact on the demand for natural gas used for heating and electricity used for heating and cooling. Typically, colder winters increase demand for natural gas and electricity, and hotter summers increase demand for electricity. Milder winters and/or summers have the opposite effects. Unseasonable temperatures in other periods may also impact demand levels. Potential changes in global climate may produce, among other possible conditions, unusual variations in temperature and weather patterns, resulting in unusual weather conditions, more intense, frequent and extreme weather events and other natural disasters. Some climatologists believe that these extreme weather events will become more common and more extreme, which will have a greater impact on our operations. Natural gas revenues typically increase in the first quarter due to increased heating demands and electricity revenues typically increase in the third quarter due to increased air conditioning use. Approximately 48.1% and 39.7% of GREâ€™s natural gas revenues for the relevant years were generated in the first quarter ofÂ 2023Â andÂ 2022 respectively, when demand for heating was highest. Although the demand for electricity is not as seasonal as natural gas (due, in part, to usage of electricity for both heating and cooling), approximately 32.5% andÂ 30.5% of GREâ€™s electricity revenues forÂ 2023Â andÂ 2022 respectively, were generated in the third quarters of those years. GRE'sÂ REP'sÂ revenues and operating income are subject to material seasonal variations, and the interim financial results are not necessarily indicative of the estimated financial results for the full year. In addition to the direct physical impact that climate change may have on our business, financial condition and results of operations because of the effect on pricing, demand for our offerings and/or the energy supply markets, we may also be adversely impacted by other environmental factors, including: (i) technological advances designed to promote energy efficiency and limit environmental impact; (ii) increased competition from alternative energy sources; (iii) regulatory responses aimed at decreasing greenhouse gas emissions; and (iv) litigation or regulatory actions that address the environmental impact of our energy products and services. 35 Purchase of Receivables and Concentration of Credit Risk Â Utility companies offer purchase of receivable, or POR, programs in most of the service territories in which GRE operates. GREâ€™s REPs reduce their customer credit risk by participating in POR programs for a majority of their receivables. In addition to providing billing and collection services, utility companies purchase

those REPsâ€™ receivables and assume all credit risk without recourse to those REPs. GREâ€™s REPsâ€™ primary credit risk is therefore nonpayment by the utility companies. In theÂ three and six months ended June 30, 2024Â the associated cost was approximately 1.0% of GRE revenue and approximately 0.9% for theÂ three months ended June 30, 2023, respectively. At June 30, 2024, 83.8% of GREâ€™s net accounts receivable were under a POR program.Â Certain of the utility companies represent significant portions of our consolidated revenues and consolidated gross trade accounts receivable balance during certain periods, and such concentrations increase our risk associated with nonpayment by those utility companies. The following table summarizes the percentage of consolidated trade receivables by customers that equal or exceed 10.0% of consolidated net tradeÂ receivables at June 30, 2024Â andÂ December 31, 2023Â (no other single customer accounted for 10.0% or greater of our consolidated net trade receivable as ofÂ June 30, 2024Â orÂ December 31, 2023). June 30, 2024 December 31, 2023 Customer A Â 20.7 % Â 21.4 % naâ€”less than10.0% ofÂ consolidated net trade receivables at the relevant date The following table summarizes the percentage of revenues by customers that equal or exceedÂ 10.0% of consolidated revenues for the three months endedÂ June 30, 2024Â or 2023Â (no other single customer accounted forÂ 10.0% or greater of our consolidated revenues for the three months endedÂ June 30, 2024Â or 2023): Three Months Ended June 30, Six Months Ended June 30, 2024 2023 2024 2023 Customer A 23.0 % 18.7 % 123 % 13.2 % Customer B 10.0 na na na naâ€”less thanÂ 10.0% of consolidated revenue in the periodÂ Legal Proceedings Although GRE endeavors to maintain best sales and marketing practices, such practices have been the subject of class action lawsuits in the past. See NoteÂ 19,Â Commitments and Contingencies,Â in this Quarterly Report onÂ Form 10-Q, which is incorporated by reference. From time to time, the Company responds to inquiries or requests for information or materials from public utility commissions or other governmental regulatory or law enforcement agencies related to investigations under statutory or regulatory schemes. The Company cannot predict whether any of those matters will lead to claims or enforcement actions or whether the Company and the regulatory parties will enter into settlements before a formal claim is made.Â See NoteÂ 19,Â Commitments and Contingencies,Â in theÂ Notes to Consolidated Financial StatementsÂ in this Quarterly Report on Form 10-Q, which is incorporated by reference, forÂ further detail on agency and regulatory proceedings. Â 36 Â Critical Accounting Policies Â Our consolidated financial statements and accompanying notes are prepared in accordance with accounting principles generally accepted in the United States of America, or U.S. GAAP. Our significant accounting policies are described in Note 1 to the consolidated financial statements included in our Annual Report on Form 10-K for the year ended December 31, 2023. The preparation of financial statements requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities, revenues and expenses as well as the disclosure of contingent assets and liabilities. Critical accounting policies are those that require the application of managementâ€™s most subjective or complex judgments, often as a result of matters that are inherently uncertain and may change in subsequent periods. Our critical accounting policies include those related to revenue recognition, allowance for doubtful accounts, acquisitions, goodwill, and income taxes. Management bases its estimates and judgments on historical experience and other factors that are believed to be reasonable under the circumstances. Actual results may differ from these estimates under different assumptions or conditions. For additional discussion of our critical accounting policies, see our Managementâ€™s DiscussionÂ and Analysis of Financial Condition and Results of Operations in our Annual Report on Form 10-K for the year ended December 31, 2023. Recently Issued Accounting Standards Â Information regarding new accounting pronouncements is included in Note 21â€”Recently Issued Accounting Standards, to the current periodâ€™s consolidated financial statements. Â Results of Operations Â We evaluate the performance of our operating business segments based primarily on income (loss) from operations. Accordingly, the income and expense line items below income (loss) from operations are only included in our discussion of the consolidated results of operations.Â Â Three and Six Months Ended June 30, 2024Â Compared toÂ Three and Six Months Ended June 30, 2023 Â Genie Retail Energy SegmentÂ Â Â ThreeÂ monthsÂ endedÂ June 30, Change Six months ended June 30, Change (amounts in thousands) 2024 2023 $ % 2024 2023 $ % Revenues: Electricity $ 78,301 $ 80,199 $ (1,898) (2.4) % $ 167,697 $ 154,686 $ 13,011 8.4 % Natural gas 8,414 8,975 (561) (6.3) 30,812 35,900 (5,088) (14.2) Â Â Others 3 559 (556) nm 674 559 115 nm Total revenues 86,718 89,733 (3,015) (3.4) 199,183 191,145 8,038 4.2 Cost of revenues 54,449 52,257 2,192 4.2 134,720 121,130 13,590 11.2 Gross profit 32,269 37,476 (5,207) (13.9) 64,463 70,015 (5,552) (7.9) Selling, general andÂ administrative expenses 17,658 19,059 (1,401) (7.4) 35,603 35,151 452 1.3 Â Â Â Â Income from operations $ 14,611 $ 18,417 $ (3,806) (20.7) $ 28,860 $ 34,864 $ (6,004) (17.2) Â nmâ€”notÂ meaningful 37 Â Revenues. Electricity revenues decreasedÂ by 2.4% in theÂ three months ended June 30, 2024Â compared to the same period inÂ 2023. The decrease was due to a decline in the average price per kilowatt hour charged to customers in theÂ three months ended June 30, 2024Â compared to the same period inÂ 2023. Electricity consumption byÂ GREâ€™sÂ REPs' customers slightly decreased by 0.1% in theÂ three months ended June 30, 2024, compared to the same period inÂ 2023, reflectingÂ aÂ 3.8% decrease in the average number of meters served, substantially offset by aÂ 3.9% increaseÂ in average consumption per meter. The decrease in meters served was due to reduced level of the customer acquisitions in the three months ended June 30, 2024Â compared to the same period in 2023. The increase in per meter consumption in the three months ended June 30, 2024 compared to the same period in 2023 was due to standard fluctuations in customer consumption patterns. The average rate per kilowatt hour sold decreased 2.3% in theÂ three months ended June 30, 2024Â compared to the same period in 2023Â due to general market conditions. Â Electricity revenues increased byÂ 8.4% in theÂ six months ended June 30, 2024Â compared to the same period in 2023. The increase was due to an increase in electricity consumption partially offset by a decrease in the average price per kilowatt hour charged to customers in theÂ six months ended June 30, 2024Â compared to the same period inÂ 2023. Electricity consumption byÂ GREâ€™sÂ REPs' customers increased by 15.1% in theÂ six months ended June 30, 2024, compared to the same period in 2023Â reflecting a 6.0% increase in the average number of meters served and anÂ 8.5% increase in average consumption per meter. The increase in meters served was driven by strong customer acquisition during 2023.Â Electricity consumption per meter increased in the six months ended June 30, 2024Â compared to the same period in 2023 due to standard fluctuations in customer consumption patterns. The average rate per kilowatt hour sold decreased by 5.8% in theÂ six months ended June 30, 2024Â compared to the same period inÂ 2023Â due to general market conditions. GREâ€™sÂ natural gas revenues decreased by 6.3% in theÂ three months ended June 30, 2024Â compared to the same period inÂ 2023.Â The decrease was a result of a decrease inÂ average revenue per therm sold partially offset by an increase inÂ natural gas consumption per meter in the three months ended June 30, 2024 compared to the same period in 2023.Â Natural gas consumption byÂ GREâ€™sÂ REPsâ€™Â customers increased byÂ 5.9% in theÂ three months ended June 30, 2024Â compared to the same period inÂ 2023, reflecting aÂ 6.6% increase inÂ average meters served, partially offset by aÂ 0.7% decrease in average consumption per meter. The increase in meters served was due to higher levels of customer acquisitions in the three months ended June 30, 2024 compared to the same period in 2023.Â The average revenue perÂ thermÂ sold decreased by 11.5% in theÂ three months ended June 30, 2024, compared to the same period inÂ 2023Â due to general market conditions.Â GREâ€™sÂ natural gas revenues decreasedÂ byÂ 14.2% in theÂ six months ended June 30, 2024Â compared to the same period inÂ 2023.Â The decrease in natural gas revenues in theÂ six months ended June 30, 2024 compared to the same period inÂ 2023 was a result of a decrease in average revenue perÂ thermÂ sold partially offset by an increaseÂ in natural gas consumption.Â Natural gas consumption byÂ GREâ€™sÂ REPsâ€™Â customers increased by 7.1% in theÂ six months ended June 30, 2024 compared to the same period inÂ 2023, reflecting increases inÂ average meters served andÂ average consumption per meter ofÂ 6.3% and 0.7%, respectively, in theÂ six months ended June 30, 2024 compared to the same period inÂ 2023.Â The increase in meters served was driven by strong customer acquisition efforts during 2023 and continued through 2024. The increase in meters served was due to higher levels of customer acquisitions in the six months ended June 30, 2024 compared to the same period in 2023.Â The average revenue perÂ thermÂ sold decreased byÂ 11.5% in the six months ended June 30, 2024,Â compared to the same period in 2023Â due general market conditions.Â Other revenues in the three and six months ended June 30, 2024Â and 2023 included revenues from the sale of petroleum products in Israel. The customer base for GREâ€™s REPs as measured by meters served consisted of the following: Â (in thousands) Â June 30, 2024 March 31, 2024 Â Â December 31, 2023 Â Â September 30, 2023 Â Â June 30, 2023 Â Meters at end of quarter: Â Â Â

of changes in rates implemented by several utilities.Â Processing fees increased by $0.6Â million in theÂ six months ended June 30, 2024Â compared to the same period inÂ 2023Â as a result of an increase in meters with billing fees.Â Employee-related expenses increased by $0.2Â million in theÂ six months ended June 30, 2024Â compared to the same period inÂ 2023Â primarily due to an increase in commissions paid to employees.Â Marketing and customer acquisition expenses decreased by $0.8Â million in theÂ six months ended June 30, 2024Â compared to the same period inÂ 2023Â as a result of a decrease in the number of meters acquired. Provision for doubtful accounts decreased by $0.2 million in theÂ six months ended June 30, 2024Â compared to the same period in 2023 as a result of a continued increase in collection efforts. As a percentage of GREâ€™s total revenues, selling, general and administrative expense decreased from 18.4%%Â in theÂ six months ended June 30, 2023 to 17.9%%Â in theÂ six months ended June 30, 2024. Genie RenewablesÂ Segment Â The Genie RenewablesÂ (formerly GES) segment is composed of Genie Solar,Â CityComÂ Solar andÂ Diversegy. Genie Solar is an integrated solar energy company that develops, constructs and operates solar energy projects for commercial and industrial customers as well as its own portfolio. CityCom Solar is a marketer of alternative products and services complementary to our energy offerings. DiversegyÂ provides energyÂ brokerage and advisory services to commercial and industrial customers. OnÂ November 3, 2023, Genie Solar acquiredÂ tenÂ special-purpose entities that ownÂ and operate solar system facilities in Ohio and Michigan for an aggregate purchase price of $7.5Â million.Â The acquisition has been accounted for as an asset acquisition with a total purchase price of $7.7Â million, including $0.2Â million of direct transaction cost allocated to solar arrays assets included in the property and equipment account in our consolidated balance sheet. Three Months Ended June 30, Change Six Months Ended June 30, Change (amounts in thousands) 2024 2023 $ % 2024 2023 $ % Revenues $ 3,978 $ 3,730 $ 248 6.6 % $ 11,201 $ 7,594 $ 3,607 47.5 % Cost of revenue 2,911 2,998 (87) (2.9) 8,542 6,115 2,427 39.7 Gross profit 1,067 732 335 45.8 2,659 1,479 1,180 79.8 Selling, general and administrative expenses 2,339 2,008 331 16.5 4,577 3,904 673 17.2 Impairment of assets 118 â€” 118 nm 118 â€” 118 nm Loss from operations $ (1,390) $ (1,276) $ 114 8.9 % $ (2,036) $ (2,425) $ 389 (16.0)% Revenue.Â Genie Renewables'Â revenues increased in the threeÂ and six months ended June 30, 2024Â compared to the same periods inÂ 2023. The increase in revenues were the result of increasesÂ fromÂ DiversegyÂ that includes commissions, entry fees and other fees from our energyÂ brokerage and marketing services businesses and revenue contributions from the portfolio of operating solar projects at Genie Solar, partially offset by decreases in revenues from the development of solar projects for customers from Genie Solar, revenues fromÂ commissions from selling third-party products to customers by CityComÂ Solar and sale of solar panels by Prism. Cost of Revenues.Â The variations in the cost of revenues for the three and six months ended June 30, 2024 compared to the same periods in 2023 are due to changes in the mix of products from which the revenues were generated during the periods. In the first quarter of 2024, we recorded a $0.4 million charge to the cost of revenues of Genie Solar to write down the carrying value of solar panel inventories to the estimated net realizable value. 41 Selling, General and Administrative. Selling, general and administrative expenses increased in theÂ three and six months ended June 30, 2024Â compared to the same periods inÂ 2023Â primarily due to increases in headcount in Genie Solar and Diversegy,Â consulting fees, warehousing costs at Genie Solar and depreciation from the solar arrays acquired by Genie Solar in the last six months. Impairment of assets. The impairment of assets recorded in the three and six months ended June 30, 2024 relates to capitalized cost at Genie Solar related to solar projects that were discontinued in the second quarter of 2024. Corporate As discussed above, the remaining accounts of GRE International were transferred to corporate starting in the third quarter of 2022. Entities underÂ corporate do not generate any revenues, nor does it incur any cost of revenues. Corporate costs include unallocated compensation, consulting fees, legal fees, business development expense and other corporate-related general and administrative expenses. Three Months Ended June 30, Change Six Months Ended June 30, Change (amounts in thousands) 2024 2023 $ % 2024 2023 $ % General and administrative expenses 2,018 2,106 (88) (4.2) 4,736 6,129 (1,393) (22.7) Provision for captive insurance liability 640 â€” 640 nm 1,676 â€” 1,676 nm General and administrative expenses and lossÂ from operations $ 2,658 $ 2,106 $ 552 26.2 % $ 6,412 $ 6,129 $ 1,393 (22.7) % Corporate general and administrative expenses decreased in the three months ended June 30, 2024Â compared to the same period in 2023Â Â and increased in the six months ended June 30, 2024 compared to the same period in 2023 primarily because of decreases in employee-related cost and professional and consulting fees. As a percentage of our consolidated revenues, Corporate general and administrative decreased toÂ 2.2% in the three months ended June 30, 2024 fromÂ 2.3% in theÂ three months ended June 30, 2023Â and decreased toÂ 2.3% in the six months ended June 30, 2024 from 3.1%Â in the six months ended June 30, 2023. In December 2023, we established a wholly-owned captive insurance subsidiary (the "Captive") with the primary purpose of enhancing our risk financing strategies.Â InÂ December 2023, we paid $51.2Â million premiums to Captive, which amount is included in restricted cash in our consolidated balance sheet as ofÂ December 31, 2023. The Captive must maintain a sufficient level of cash to fund future reserve payment and secure the insurer's liabilities, particularly those related to the insured risks. We also recognized $0.6 and $ $1.7Â million provision for captive insurance liability for the three andÂ six months ended June 30, 2024 related to Captive's exposure for the insured risks. 42 Consolidated Â Selling, general and administrative expenses. Stock-based compensation expense included in consolidated selling, general and administrative expenses was $0.5 million and $0.8 million in the three months ended June 30, 2024 and 2023Â respectively,Â and $1.2 million andÂ $1.6 million for the six months ended June 30, 2024 and 2023.Â At June 30, 2024, the aggregate unrecognized compensation cost related to non-vested stock-based compensation was $0.4Â million. The unrecognized compensation cost is recognized over the expected service period. Â The following is a discussion of our consolidated income and expense line items below income from operations: Â Â Â Three MonthsÂ EndedÂ June 30, Change Six Months Ended June 30, Change (amounts in thousands) Â 2024 2023 Â $ % 2024 2023 $ % Income from operations Â $ 10,563 $ 15,035 $ (4,472) (29.7) % $ 20,412 $ 26,310 $ (5,898) (22.4) % Interest income Â 1,362 1,008 354 35.1 2,702 1,982 720 (36.3) Interest expense Â (331) (30) 301 1,003.3 (363) (49) (314) (640.8) Other income, net Â 1,262 (104) 1,366 (1,313.5) 1,342 3,142 (1,800) (57.3) Gain on marketable equity securities and investments 110 122 (12) 9.8 227 51 176 345.1 Provision for income taxes Â (3,465) (3,865) (400) (10.3) (6,385) (7,933) 1,548 19.5 Net income from continuing operations Â 9,501 12,166 (2,665) (21.9) 17,935 23,503 (5,568) (23.7) Â Â (Loss) income from discontinued operations, net of tax (145) 3,173 (3,318) (104.6) (410) 6,227 (6,637) (106.6) Net income 9,356 15,339 (5,983) (39.0) 17,525 29,730 (12,205) 41.1 Â Â Net (loss) income attributable to noncontrolling interests Â (256) 183 (439) (239.9) (210) 144 (354) (245.8) Â Â Net income attributable to Genie Energy Ltd. Â $ 9,612 $ 15,156 $ (5,544) (36.6)% $ 17,735 $ 29,586 $ (11,851) 40.1 % Â Interest income.Â Â Â Interest income increased in theÂ three and sixÂ Â months endedÂ June 30, 2024, compared to the same period in 2023 primarily due to increase in average balances of cash and cash equivalents and restricted cash during the period. Other Income, net.Â Â Other income, netÂ in theÂ threeÂ months endedÂ June 30, 2024Â andÂ 2023Â andÂ in the sixÂ months ended June 30, 2024Â and 2023 consisted primarily ofÂ foreign currency transactions and equity in net loss in equity methodÂ investees. Other income (loss) income, net, in the three months ended June 30, 2023Â consisted primarily of a one-time tax credit related to payroll taxes incurred in prior years. Provision for Income Taxes. The change in the reported tax rate for the three and six months ended June 30, 2024 compared to the same periodsÂ in 2023Â is the result of changes in the mix of jurisdictions in which taxable income was earned. Net Loss Attributable to Noncontrolling Interests.Â The decreases in net loss attributable to noncontrolling interests in the three and six months ended June 30, 2024Â compared to the same periods in 2023 was primarily due to the share of noncontrollingÂ interest in the operations of Citizens Choice Energy. 43 Gain on Marketable Equity Securities and Investments.Â The gain on marketable equity securities and investment for the three and six months ended June 30, 2024Â pertains to the change in fair value of the Company's investments in common stock of Rafael which the Company acquired in December 2020 and various investments in equity of several entities. (Loss) income from Discontinued Operations, net of tax.Â Loss from discontinued operations, net of tax in the three and sixÂ months ended June 30, 2024Â is mainly related to foreign exchange differences in LumoÂ Sweden during the period. Gain from discontinued operations, net of tax in the three and six months ended June 30, 2023Â is mainly from an increase in the estimated value of our investments in Orbit and foreign exchange differences inÂ LumoÂ Sweden. Liquidity and Capital ResourcesÂ Â Â General Â We currently expect that our cash flow from operations and the $122.3Â million balance of unrestricted cash and cash equivalents that we held at June 30, 2024 will be sufficient to meet our anticipated cash requirements for at least the period to August 8, 2025. Â At June 30, 2024, we had working capital (current assets less current liabilities) of $132.7Â million. Â Â Â Three Months Ended June 30, Â Â 2024 Â Â 2023 Â Â Â (in thousands) Â Cash flows provided by (used in): Â Â Â Â Â Â Operating activities Â $ 26,324 Â $ 4,569 Investing activities Â Â (7,148) Â Â (1,563) Financing activities Â Â (12,325) Â Â (9,597) Effect of exchange rate changes on cash, cash equivalents and restricted cash (140) (37) Decrease in cash, cash equivalents and restricted cash of continuingÂ operations 6,711 (6,628) Cash flows provided by discontinued operations 7,011 15,671 Net increase in cash, cash equivalents and restricted cash Â $ 13,722 Â $ 9,043 Â 44 Â Operating Activities Â Cash, cash equivalents and restricted cash provided by operating activities of continuing operations was $2.4Â million in theÂ six months ended June 30, 2024Â compared toÂ net cash used in operating activities of continuing operations ofÂ $4.6Â million in theÂ six months ended June 30, 2023. The decrease is primarily the fluctuation in the results of operations in theÂ six months ended June 30, 2024Â compared to the same period inÂ 2023. Â Our cash flow from operations varies significantly from quarter to quarter and from year to year, depending on our operating results and the timing of operating cash receipts and payments, specifically trade accounts receivable and trade accounts payable. Changes in assets and liabilities decreased cash flows by $25.8Â million for theÂ three months ended June 30, 2024,Â compared to the same period in 2023.Â Â Certain ofÂ GRE'sÂ REPsÂ are party toÂ an Amended and Restated Preferred Supplier Agreement with BP Energy Company, or BP, which is to be in effect through November 30, 2023. Under the agreement, theÂ REPsÂ purchase electricity and natural gas at market rate plus a fee. The obligations to BP are secured by a first security interest in deposits or receivables from utilities in connection with their purchase of theÂ REPâ€™sÂ customerâ€™s receivables, and in any cash deposits or letters of credit posted in connection with any collateral accounts with BP. The ability to purchase electricity and natural gas under this agreement is subject to satisfaction of certain conditions including the maintenance of certain covenants. At June 30, 2024, we were in compliance with such covenants. At June 30, 2024, restricted cashâ€”short-term of $0.8Â million and trade accounts receivable of $59.1Â million were pledged to BP as collateral for the payment of trade accounts payable to BP of $20.1Â million at June 30, 2024. We had purchase commitments of $140.5Â million atÂ June 30, 2024, of which $126.3Â million was for purchases of electricity. As discussed above, in December 2023, we establishedÂ the Captive insurance subsidiary.Â AtÂ June 30, 2024, the balance of short-term and long-term restricted cash and cash equivalents of the Captive are $5.1Â million and $46.4Â million, respectively. We also recognized $1.7Â million provision for captive insurance liability for the three months ended June 30, 2024, related to Captive's exposure for the insured risks.Â AtÂ June 30, 2024, the current captive insurance liability of $0.4Â million is included in other current liabilities in the consolidated balance sheet.Â The amount of the expected loss liability for each risk is based on an analysis performed by a third-party actuary which assumed historical patterns. The key assumptions used in developing these estimates are subject to variability. We are a lessee under operating lease agreements primarily for office space in locations where we operate and for our solar development projects with lease periods expiring between 2024 and 2052. Our future lease payments under the operating leases as of June 30, 2024 were $3.6 million. GRE has performance bonds issued through a third party for the benefit of certain utility companies and for various states in order to comply with the statesâ€™ financial requirements for retail energy providers. AtÂ June 30, 2024, we had outstanding aggregate performance bonds of $21.4Â million and a minimalÂ amount of unused letters of credit. Â Investing Activities Â Our capital expenditures increased $1.0 million to $1.6 million for theÂ six months ended June 30, 2024Â compared to the same period inÂ 2023. The capital expenditures are mainly for the construction of solar projects at Genie Solar. In the six months ended June 30, 2024, we transferred $1.9Â million worth of solar panels that are intended to be used in Genie Solar projects from inventories to construction in progress related to solar panels expected to be used in the solar project by Genie Solar. We currently anticipate that our total capital expenditures in the twelve months ending December 31, 2024Â will be between $6.0Â million to $10.00 million mostly related to the solar projects of Genie Renewables. OnÂ November 3, 2023, we acquiredÂ tenÂ special-purpose entities that ownÂ and operate solar system facilities in Ohio and Michigan for an aggregate purchase price of $7.5Â million.Â The acquisition has been accounted for as an asset acquisition with a total purchase price of $7.7Â million, including $0.2Â million of direct transaction cost allocated to solar arrays assets included in the property and equipment account in our consolidated balance sheet. 45 OnÂ November 3, 2023, we also signed an agreement to purchase from the sellers another special purpose entity that owned and operated a solar system facility in Indiana, for $1.3Â million, subject to the satisfaction of certain closing conditions. InÂ February 2024, the purchase of the solar system facility in Indiana was completed after the closing conditions were met.Â The acquisition has been accounted for as asset acquisition andÂ we recorded $1.3Â millionÂ to solar arrays assets included in the property and equipment account in the consolidated balance sheet. InÂ February 2024, we purchased from aÂ certain investorÂ 0.5% interest in Genie Energy International Corporation ("GEIC"), which holds our interest in our operating subsidiariesÂ for $1.2Â million. Following this transaction, GEIC is a wholly owned subsidiary of the Company. In theÂ six months ended June 30, 2024 and 2023, we acquired minimal interests in various ventures for an aggregate amount of investments of $3.0Â million and $6.3 million, respectively. In 2020 and 2021, we invested an aggregate of $6.0Â million for 261,984 shares of Class B common stock of Rafael Holdings, Inc. ("Rafael"). Rafael, a publicly-traded company and a related party. In the three months ended March 31, 2023, we sold 195,501 shares of our Class B common stock of Rafael for $0.3 million. In the second quarter of 2023,Â we acquired 150,001 shares of our Class B common stock of Rafael for $0.3Â million.Â We do not exercise significant influence over the operating or financial policies of Rafael.Â At June 30, 2024, the carrying value of the remaining investments in the Class B common stock of Rafael was $0.3 million. In the three months ended March 31, 2023, we invested $4.6Â million to purchase the common stock of a publicly traded company which we sold for $3.9 million in the second quarter of 2023.Â InÂ March 2023, the Company received $0.1Â million fromÂ AtidÂ 613 Drilling Ltd. ("Atid 613") for the full settlement of its investment inÂ Atid 613. The Company recognized a minimal gain from settlement of investment included in other income (loss), net in its consolidated statements of operations for theÂ three months ended March 31, 2023. On November 29, 2021, Orbit, which operated in the United Kingdon, was declared insolvent and its customers were transferred to the â€œsupplier of last resort.â€ Effective December 1, 2021, the administration of Orbit was transferred to Orbit Administrators. The accounts of Orbit were deconsolidated from those of the Company effective December 1, 2021. In 2022, we transferred $49.7 million to the Orbit Administrators as part of the administration process. On November 28, 2023, the administration of Orbit ceased and the control of Orbit reverted back to the Company from the Administrators. The accounts of Orbit were reconsolidated with those of the Company effective November 28, 2023. In 2023, the Orbit Administrators paid us a return of our interest in Orbit of Â£18.8 million (equivalent to $23.7 million on the dates of transfer).Â Financing Activities Â In theÂ six months ended June 30, 2024Â and 2023, we paid dividends of $0.150Â per share to stockholders of our Class A common stock and Class B common stock, or aggregate dividends of $4.2 million and $3.9 million in theÂ six months ended June 30, 2024Â and 2023, respectively.Â On August 1, 2024 our Board of Directors declared a quarterly dividend of $0.075 per share on our Class A common stock and Class B common stock. The dividend will be paid on or about August 31, 2024 to stockholders of record as of the close of business on August 14, 2024. 46 In theÂ six months ended June

30, 2023, we paid Base Dividends of $0.1594Â per share of ourÂ 2012-A Preferred Stock or Preferred Stock in an aggregate amount of $0.2 million. On March 11, 2013, our Board of Directors approved a program for the repurchase of up to an aggregate of 7.0 million shares of our ClassÂ B common stock. In theÂ six months ended June 30, 2024, we acquiredÂ 368,758Â Class B common stock under the stock purchase program for an aggregate amount of $5.9Â million.Â There are no repurchases under this program in theÂ three months ended June 30, 2023.Â At June 30, 2024, 4.3 million shares of Class B common stock remained available for repurchase under the stock repurchase program. On November 2, 2023, we made a charitable donation to the Genie Energy Charitable Foundation (the "Genie Foundation") by issuing 50,000Â shares of Class B common stock from its treasury with value of on the date of the donation of approximatelyÂ $1.0 million. On April 17, 2024, we repurchasedÂ 50,000 shares of Class B common stock from the Genie Foundation for $0.8 million. The Company is the sole member of the Genie Foundation and the Company's Chief Executive Officer and Chief Financial Officer serve as members of the board of directors of the Genie Foundation. On February 7, 2022, our Board of Directors authorized a program to redeem up to $1.0 million per quarter of our Preferred Stock at the liquidation preference of $8.50 per share beginning in the second quarter of 2022. In the six months ended June 30, 2024, the Company redeemed 117,647Â shares ofÂ Preferred Stock under the stock purchase program for an aggregate amount of $1.0Â million.Â On May 16, 2023, our Board of Directors approved the redemption of all outstanding Preferred Stock on June 16, 2023 (the "Redemption Date") at the liquidation preference of $8.50 per share, together with an amount equal to all dividends accrued and unpaid up to, but not including, the Redemption Date. On the Redemption Date, we completed the redemption of 748,064 shares of Preferred Stock for an aggregate amount of $6.5 million and the related accrued dividends of $0.1349 per share equivalent to $0.1 million.Â Following the redemption, there are no shares of Preferred Stock outstanding, all rights of Preferred Stockholders have terminated, and the Preferred Stockâ€™s ticker symbol, "GNEPRA", has been retired. In each of theÂ six months ended June 30, 2024Â and 2023, weÂ paid $1.5 million,Â to repurchase our Class B common stock of our Class B common stock tendered by our employees (including one officer) to satisfy tax withholding obligations in connection with the lapsing of restrictions on awards of restricted stock and exercise of stock options. Such shares were repurchased by us based on their fair market value on the trading day immediately prior to the vesting date.Â Â On December 13, 2018, we entered into a Credit Agreement with JPMorgan Chase Bank (â€œCredit Agreementâ€). On February 14, 2024, the Company entered into the third amendment of its existing Credit AgreementÂ to extend the maturity date of December 31, 2024. The aggregate principal amount was reduced to $3.0Â million credit line facility (â€œCredit Lineâ€). The Company pays a commitment fee of 0.1%Â per annum on the unused portion of the Credit Line as specified in the Credit Agreement. The borrowed amounts will be in the form of letters of credit which will bear interest of 1.0% per annum. The Company will also pay a fee for each letter of credit that is issued equal to the greater of $500 or 1.0% of the original maximum available amount of the letter of credit. We agreed to deposit cash in a money market account at JPMorgan Chase Bank as collateral for the line of credit equal toÂ $3.1Â million. As of June 30, 2024, there is no issued letter of credit from the Credit Line. At June 30, 2024, the cash collateral of $4.5Â million was included in restricted cashâ€”short-term in the consolidated balance sheet.Â Cash flows from discontinued operations Â Cash provided by operating activities of discontinued operations was $7.0 million in the six months ended June 30, 2024 compared to $15.7 million in the same period in 2023. The cash provided by operating activities of discontinued operations in the three months ended June 30, 2024 and 2023 pertains to the proceeds from the settlement of hedges of Lumo Sweden.Â 47 Item 3.Â Â Â Â Â Quantitative and Qualitative Disclosures About Market Risks. Â Our primary market risk exposure is the price applicable to our natural gas and electricity purchases and sales. The sales price of our natural gas and electricity is primarily driven by the prevailing market price. Hypothetically, for our GRE segment, if our gross profit per unit in the three months ended June 30, 2024 had remained the same as in the three months ended June 30, 2023, our gross profit from electricity would have increased byÂ 6.7Â million andÂ our gross profit from natural gas would have decreased $0.8 million.Â Hypothetically, for our GRE segment, if our gross profit per unit in theÂ six months ended June 30, 2024Â had remained the same as in theÂ six months ended June 30, 2023, our gross profit from electricity and natural gas sales would have increased by $21.3Â million and our gross profit from natural gas would have decreased $5.2 million. The energy markets have historically been very volatile, and we can reasonably expect that electricity and natural gas prices will be subject to fluctuations in the future. In an effort to reduce the effects of the volatility of the price of electricity and natural gas on our operations, we have adopted a policy of hedging electricity and natural gas prices from time to time, at relatively lower volumes, primarily through the use of put and call options and swaps. While the use of these hedging arrangements limits the downside risk of adverse price movements, it also limits future gains from favorable movements. We do not apply hedge accounting to these options or swaps, therefore the mark-to-market change in fair value is recognized in cost of revenue in our consolidated statements of operations. We recognized losses from derivative instruments of $8.4 million and $13.9Â million in the three andÂ six months ended June 30, 2024, respectively, and losses ofÂ $6.0 million and $17.1 million for the three andÂ six months ended June 30, 2023Â from our derivative instruments. Refer to Note 7 â€“ Derivative Instruments, for details of the hedging activities. Â ItemÂ 4.Â Â Â Â Â Â Â Controls and Procedures Â Evaluation of Disclosure Controls and Procedures.Â Our Chief Executive Officer and Chief Financial Officer have evaluated the effectiveness of our disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) of the Securities Exchange Act of 1934, as amended), as of the end of the period covered by this Quarterly Report on Form 10-Q. Based on this evaluation, our Chief Executive Officer and Chief Financial Officer have concluded that our disclosure controls and procedures were effective as of June 30, 2024. Changes in Internal Control over Financial Reporting.Â There were no changes in our internal control over financial reporting during the quarter ended June 30, 2024 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting. 48 PART II. OTHER INFORMATION Â ItemÂ 1.Â Â Â Â Â Legal Proceedings Â Legal proceedings in which we are involved are more fully described in Note 19 to the Consolidated Financial Statements included in ItemÂ 1 to Part I of this Quarterly Report on FormÂ 10-Q. ItemÂ 1A.Â Â Â Â Â Risk Factors Â There are no material changes from theÂ risk factors included in our Annual Report on Form 10-K for the fiscal year ended December 31, 2023. Â ItemÂ 2.Â Â Â Â Â Unregistered Sales of Equity Securities and Use of Proceeds Â The following table provides information with respect to purchases by us of shares of our Class B common stock during the second quarter of 2024: Â Â Â TotalNumberÂ ofÂ SharesPurchased Â Â AveragePriceperÂ Share Â Â TotalÂ NumberÂ of SharesPurchased asÂ part ofPubliclyÂ AnnouncedPlans orÂ Programs Â Â MaximumÂ Number ofÂ Shares thatÂ May Yet BePurchasedUnder theÂ Plans orProgramsÂ (1) Â April 1â€“30, 2024 Â Â â€” Â Â Â $ â€” Â Â Â â€” Â Â Â 4,411,417 May 1â€“31, 2024Â Â Â Â 168,758 (2) Â Â 15.20 Â Â Â 118,758 Â Â Â 4,292,659 Â June 1â€“30, 2024 Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â 4,292,659 Total Â Â 168,758 Â Â $ 15.20 Â Â Â 118,758 Â Â Â Â Â Â Â (1) Under our existing stock repurchase program, approved by our Board of Directors on March 11, 2013, we were authorized to repurchase up to an aggregate of 7.0Â million shares of our Class B common stock. (2) Consists of 50,000 shares of Class B Common stock that was purchased from the Genie Energy Charitable Foundation. Such shares were repurchased by us based on their current fair market value. Â ItemÂ 3.Â Â Â Â Â Defaults upon Senior Securities Â None Â ItemÂ 4.Â Â Â Â Â Â Mine Safety Disclosures Â Not applicable Â ItemÂ 5.Â Â Â Â Â Other Information Â None Â 49 ItemÂ 6.Â Â Â Â Exhibits Â ExhibitNumber Â Description Â Â Â 31.1* Â Certification of Chief Executive Officer pursuant to 17 CFR 240.13a-14(a), as adopted pursuant to Â§302 of the Sarbanes-Oxley Act of 2002 Â Â Â 31.2* Â Certification of Chief Financial Officer pursuant to 17 CFR 240.13a-14(a), as adopted pursuant to Â§302 of the Sarbanes-Oxley Act of 2002. Â 32.1* Â Certification of Chief Executive Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Â§906 of the Sarbanes-Oxley Act of 2002. Â Â Â 32.2* Â Certification of Chief Financial Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Â§906 of the Sarbanes-Oxley Act of 2002. Â Â Â 101.INS* Â XBRL Instance Document - the instance document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document. 101.SCH* XBRL Taxonomy Extension Schema Document 101.CAL* XBRL Taxonomy Extension Calculation Linkbase Document 101.DEF* XBRL Taxonomy Extension Definition Linkbase Document 101.LAB* XBRL Taxonomy Extension Label Linkbase Document 101.PRE* XBRL Taxonomy Extension Presentation Linkbase Document 104 Cover Page Interactive Data File (formatted as Inline XBRL and contained in Exhibit 101) * Filed or furnished herewith. Â Â 50 SIGNATURES Â Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized. Â Â Genie Energy Ltd. Â Â Â August 8, 2024 By: /s/ Michael M. Stein Â Â Michael M. Stein Â Chief Executive Officer Â Â Â August 8, 2024 By: /s/ Avi Goldin Â Â Avi Goldin Â Chief Financial Officer 51 EX-101.DEF 2 gne-20240630_def.xml DEFINITION EX-101.PRE 3 gne-20240630_pre.xml PRESENTATION EX-101.CAL 4 gne-20240630_cal.xml CALCULATION EX-101.LAB 5 gne-20240630_lab.xml LABEL Value of stock issued as a result of the exercise of warrants. Stock Issued During Period, Value, Warrants Exercised Exercise of warrants Stock Issued During Period, Shares, Warrants Exercised Exercise of warrants, shares Number of warrants exercised during the current period. Asset Acquisition, Price of Acquisition, Expected Asset Acquisition, Purchase Price Redemption of preferred stock Payments For Repurchase Of Redeemable Preferred Stock Proceeds from equity method investments Payments to Acquire Additional Interest in Subsidiaries Purchase of equity of subsidiary The cash outflow for the purchase of solar system facilities. Purchase of solar system facility Payments to Acquire Solar System facilities Amount of change in provision for Captive insuarance liability. Restricted Class B common stock purchased from employees Noncontrolling Interest, Decrease from Redemptions or Purchase of Interests Purchase of equity of subsidiary Shares excluded from the calculation of diluted earnings per share Restricted cash-short-term This member stands for the information pertaining to "Genie Energy Charitable Foundation". Solar panels, valuation allowance Current and noncurrent captive insurance liabilities, end The amount of decrease in the captive insurance liability resulting from the payment of claims. Payment of claims Decrease in Captive Insurance Liability, Payment of claims Captive Insurance Liability Current and noncurrent captive insurance liabilities, beginning The amount of captive insurance liability. Schedule of change in the current and noncurrent captive insurance liabilities Movement in Captive Insurance Liabilities [Roll Forward] Tabular disclosure of the changes in the captive insurance liabilities. Schedule of change in the current and noncurrent captive insurance liabilities Schedule of Changes in Captive Insurance Liabilities [Table Text Block] Loss Contingency, Receivable Recovery Of Payments Under Parental Guarantee [Member] Recovery of payments [Member] Guarantor Obligations, Nature [Domain] Guarantor Obligations, Nature [Axis] Gain (Loss) on Sale of Derivatives Solar System Facilities [Member] Project [Domain] Project [Axis] Asset Acquisition, Consideration Transferred, Transaction Cost Genie Energy Charitable Foundation [Member] Genie Energy Charitable Foundation [Member] Nonmonetary Transaction Type [Domain] Nonmonetary Transaction Type [Axis] Schedule of captive insurance liability outstanding Contractual Obligation, Fiscal Year Maturity [Table Text Block] 2026 Total payments Thereafter 2028 2027 2025 Contractual Obligation, to be Paid, Year One Contractual Obligation Contractual Obligation, to be Paid, after Year Five Contractual Obligation, to be Paid, Year Five Contractual Obligation, to be Paid, Year Four Contractual Obligation, to be Paid, Year Three Contractual Obligation, to be Paid, Year Two 2024 The amount of provision made for insurance liability. Provision for insurance liability Provision For Insurance Liability Restricted Cash, Current Captive Insurance Company [Member] Trading Arrangement, Securities Aggregate Available Amount Trading Arrangement Duration Trading Arrangement Termination Date Non-Rule 10b5-1 Arrangement Terminated [Flag] Rule 10b5-1 Arrangement Terminated [Flag] Trading Arrangement Adoption Date Non-Rule 10b5-1 Arrangement Adopted [Flag] Rule 10b5-1 Arrangement Adopted [Flag] Trading Arrangement, Individual Title Trading Arrangement, Individual Name Material Terms of Trading Arrangement [Text Block] All Individuals [Member] Individual [Axis] All Trading Arrangements [Member] Trading Arrangement [Axis] Trading Arrangements, by Individual [Table] Insider Trading Arrangements [Line Items] Commitments and Contingencies Loss Contingencies [Line Items] Loss Contingencies [Table] Aggregate net assets This member stands for the information pertaining to Orbit energy, Lumo finland and Lumo sweden. Orbit Energy Lumo Finland and Lumo Sweden [Member] Statement [Line Items] Other liabilities [Member] Other Noncurrent Liabilities [Member] Other assets [Member] Other Noncurrent Assets [Member] Schedule Of Receivables And Payables [Table Text Block] Schedule of receivables and payables Tabular disclosure of related party transactions of receivables and payables. Accounts Receivable, Allowance for Credit Loss [Roll Forward] Allowance for doubtful accounts, end Other deductions Schedule of cash flows of discontinued operations Accrued Expenses and Other Current Liabilities Payments to Acquire Short-Term Investments Purchases of marketable equity securities and other investments Proceeds from the sale of marketable equity securities and other investments Proceeds from Sale, Maturity and Collection of Short-Term Investments Depreciation and amortization Depreciation, Depletion and Amortization Stock Repurchased and Retired During Period, Value Repurchase of Class B common stock from stock repurchase program Number of designated preferred shares issued. Designated shares Designated Shares This member stands for the information pertaining to "Sunlight Energy". Sunlight Energy [Member] Derivative Asset, Statement of Financial Position [Extensible Enumeration] Captive Insurance Liability, Current Current captive insurance liability The amount represent the information related to Current captive insurance liability. Restricted cashâ€”long-term Restricted Cash, Noncurrent Noncurrent captive insurance liability Accrued Insurance, Noncurrent Redemption of preferred stock, shares Ownership [Domain] Ownership [Axis] The number of special purpose entities acquired in a business combination. Number of special purpose entities acquired Business Combination, Number of Special Purpose Entities Acquired This member stands for the information pertaining to "OCH Holding Company and Entrust Green Initiative Fund, LLC". Special purpose entity Which Operates in Indiana [Member] Special purpose entity Which Operates in Indiana [Member] Special purpose entities Which Operates in Ohio and Michigan [Member] Special purpose entities Which Operates in Ohio and Michigan [Member] Asset Acquisition [Domain] Asset Acquisition [Axis] Accrued Expenses and Other Current Liabilities Disclosure of Other Current Liabilities [Line Items] Schedule of Other Current Liabilities [Table] Disclosure of information about other current liabilities. Schedule of Other Current Liabilities [Table] Loss from discontinued operations, net of taxes Preferred stock, liquidation preference (In dollars per share) Inventory valuation allowance Income before income taxes attributable to Genie Energy Ltd. Income (Loss) Attributable to Parent, before Tax Disposal Group, Including Discontinued Operation, Other Income (Loss) Other income, net Income from operations Disposal Group, Including Discontinued Operation, Operating Income (Loss) Others Other Sundry Liabilities, Current Current hedge liabilities Hedging Liabilities, Current Other current liabilities Contract liabilities Other Liabilities, Current [Abstract] Accrued expenses Renewable energy Accrued Utilities, Current Accrued Liabilities, Current [Abstract] Schedule of other current liabilities Other Current Liabilities [Table Text Block] Schedule of assets and liabilities This member stands for the information pertaining to "OCH Holding Company and Entrust Green Initiative Fund, LLC". OCH Holding Company and Entrust Green Initiative Fund, LLC [Member] OCH Holding Company and Entrust Green Initiative Fund, LLC [Member] Business acquisition, amount held in escrow Business Combination, Consideration Transferred, Amount Held in Escrow Inventory valuation allowance Unrealized Gain (Loss) on Marketable Equity Securities and Investments and Others Inventory Write-down Nonrelated Party [Member] Treasury stock, shares Treasury Stock, Common [Member] Financing Receivable, after Allowance for Credit Loss Amount charged the Company Due to Related Parties Due from Related Parties Related Party [Member] Retained Earnings Treasury Stock Net loss from discontinued operations, net of taxes Gross aggregate amount Instrument sold Preferred stock, shares outstanding Preferred stock, par value This member stands for the information pertaining to lumo finland and lumo sweden. Lumo Finland and Lumo Sweden [Member] Business Combination, Step Acquisition, Equity Interest in Acquiree, Fair Value

Gain recognized upon consolidation Business Combination, Step Acquisition, Equity Interest in Acquiree, Percentage Schedule of volume of GRE's outstanding contracts and options Percentage ownership after all transactions Schedule of derivative instruments on the consolidated statements of operations Assets pledged as collateral to BP Energy Fair Value, Assets Measured on Recurring and Nonrecurring Basis [Table Text Block] Comprehensive (income) loss attributable to noncontrolling interests Debt, Weighted Average Interest Rate Weighted average interest rate Non Compete Agreements [Member] Finite-Lived Intangible Asset, Useful Life Second quarter of 2025 Aggregate funding repaid to (provided by) the Company, net. Equity interest in joint venture, percentage Settlement Dates Seventeen [Member] Equity Interest in Joint Venture Percentage Information related to Non-compete agreements. Non-compete agreements Aggregate funding (provided by) paid to the Company, net Assets held of sale Earnings Per Share, Basic and Diluted [Abstract] Outstanding Option Value Earnings per share attributable to Genie energy Ltd. common stockholders Customer Concentration Risk [Member] Credit Concentration Risk [Member] Customer Concentration Risk [Member] Impairment of assets Schedule of purchase commitments outstanding Third quarter of 2025 Impairment of assets Settlement Dates Eighteen [Member] Description of Assets and liabilities held for sale Long Lived Assets Held-for-sale, Description Outstanding balance of options Value of outstanding option of the seller. Write-down to fair value of certain property and equipment Property, Plant, and Equipment, Fair Value Disclosure Assets Held-for-sale, Long Lived, Fair Value Disclosure Liabilities held for sale Fair value portion of loans held-for-sale liabilities. Assets and Liabilities Held for Sale (Textual) Liabilities Held ForSale Fair Value Disclosure Catskill Hudson Bank [Member] Schedule of Long Lived Assets Held-for-sale [Table] Assets and Liabilities Held for Sale [Abstract] Assets Held-for-sale, Long Lived [Abstract] Other current assets Impairment of goodwill Total capitalized customer acquisition costs Total other current assets Impairment of property and equipment Total capitalized customer acquisition costs Goodwill, Impairment Loss Impairment Of Property And Equipment Schedule of fair value on non recurring basis Credit Concentration Risk [Member] Consolidated gross trade accounts receivable [Member] Schedule of Effective Income Tax Rate Reconciliation [Table Text Block] Schedule of company's effective tax rate Loss Contingency, Damages Sought, Value Principal amount of damages including accrued interest Customer A [Member] Forfeiture fee Number of customer Debt Number of Customer Number of customer. Contract with Customer, Liability, Revenue Recognized Contract liability Contract liability, end Operating expenses The amount of operating expenses by equity method investment. Equity Method Investment Summarized Financial Information Operating Expenses Schedule of contract liability Recognition of revenue included in the beginning of the year contract liability Cash contributed to Lumo Remaining acquired interest percentage Cash paid to sellers Contract with Customer, Liability Remainder of 2020 Electricities [Member] Contract liability, beginning Purchase of Electricity expenses Amount of purchase of electricity expenses. Class B common stock [Member] Notes receivable outstanding from employees Proceeds from Collection of Notes Receivable Value of deferred stock issued during the period upon the conversion of units. Deferred stock units Entity Current Reporting Status Deferred Stock Of Units Earnings Per Share, Basic, by Common Class, Including Two Class Method [Line Items] Entity Interactive Data Current Entity Incorporation, State or Country Code Unrealized gain (loss) on investment Preferred Stock, Dividends, Per Share, Cash Paid Dividends on preferred stock This member stands for the information pertaining to "United Kingdom Operations". Litigation Settlement, Expense Loans Payable Classified as Held For Sale Non-vested Deferred Stock Units [Member] Loans payable The amount classified as loans payable attributable to held for sale or expected to be disposed of within one year or the normal operating cycle, if longer. Other concurrent assets Assets held for sale included in other current assets Remainder of 2024 Other Commitment, to be Paid, Remainder of Fiscal Year Contract With Customer Liability Cumulative Translation Adjustments Treasury stock outstanding Discontinued Operations Changes in Assets and Liabilities Non-cash items Income (Loss) from Discontinued Operations, Net of Tax, Including Portion Attributable to Noncontrolling Interest Other Cost of Operating Revenue Represent interest rate. Interest rate Operating Activities [Domain] Operating Activities [Axis] Cost of revenue Unrealized (gain) loss on marketable equity securitiesÂ and investment Goodwill [Roll Forward] Stock options Investment Type [Axis] Fixed annual interest rate Note payable interest rate Weighted average useful life Property, Plant and Equipment, Useful Life Revenues Business acquisition, purchase price Cash paid Trade Names [Member] Variable Interest Entity Aggregate Funding Repaid to Provided by Entity Net Arrangements and Non-arrangement Transactions [Domain] Type of Arrangement and Non-arrangement Transactions [Axis] Prism Solar Technology [Member] Recognized gain from extinguishment of liability Amount paid to employees Percentage of electricity revenue generated in given period Percentage of gas revenue generated in given period Restricted cash-short-term Total revenues Net income Business Acquisition, Pro Forma Net Income (Loss) Business Acquisition, Pro Forma Revenue Business Combination, Consideration Transferred Notes payable issued to Prism Payments to Acquire Businesses, Gross Payments for Previous Acquisition Cash contributed Business Combination, Consideration Transferred, Liabilities Incurred Cash payment to previous equity holders of Prism Cash Acquired from Acquisition Supplemental information: Business Combination, Consideration Transferred [Abstract] Inventories Net (loss) income from discontinued operations, net of tax Current lease liabilities Noncurrent portion of operating lease liabilities Purchase Commitment, Excluding Long-term Commitment [Table Text Block] Noncontrolling interest Goodwill Business Acquisition, Goodwill, Expected Tax Deductible Amount Trademark (5-year useful life) Business Acquisition, Acquiree [Domain] Business Acquisition [Axis] Acquisition Mergers, Acquisitions and Dispositions Disclosures [Text Block] Operating Lease, Weighted Average Discount Rate, Percent Weighted average remaining lease term Weighted average discount rate Operating Lease, Weighted Average Remaining Lease Term Incremental Weighted Average Shares Attributable to Dilutive Effect [Abstract] Acquired purchase of electricity Schedule of Earnings Per Share, Basic, by Common Class, Including Two Class Method [Table] Liability related to Lawsuit Class of Warrant or Right, Number of Securities Called by Warrants or Rights Operating Lease, Payments Operating leases Share-based Payment Arrangement, Expense Stock-based compensation included in selling, general and administrative expenses Purchase of future commitments Thereafter 2027 2027 2026 Other Commitment, Due in Next Twelve Months Other Commitment, Due after Fifth Year Other Commitment, Due in Fourth Year Other Commitment, Due in Third Year Other Commitment, Due in Second Year 2025 Other Commitments [Table Text Block] GRE International [Member] Operating Lease, Liability, Noncurrent Operating Lease, Liability, Current Total operating lease liabilities Noncurrent lease liabilities Shares Granted, Value, Share-based Payment Arrangement, after Forfeiture Current portion of operating lease liabilities Receivable from Shareholders or Affiliates for Issuance of Capital Stock Total liabilities and noncontrolling interests Schedule of future operating lease Leases Amortization expense of finite lives intangible assets, thereafter Amortization expense of finite lives intangible assets, 2029 Purchase common stock shares Variable Interest Entity, Consolidated, Carrying Amount, Liabilities Amortization expense of finite lives intangible assets, 2028 Stock Issued During Period, Shares, Purchase of Assets Amortization expense of finite lives intangible assets, 2027 Amortization expense of finite lives intangible assets, 2026 Amortization expense of finite lives intangible assets, 2025 Amortization expense of intangible assets Finite-Lived Intangible Assets, Amortization Expense, after Year Five Finite-Lived Intangible Assets, Amortization Expense, Year Five Finite-Lived Intangible Assets, Amortization Expense, Year Four Finite-Lived Intangible Assets, Amortization Expense, Year Three Finite-Lived Intangible Assets, Amortization Expense, Year Two Amortization expense of finite lives intangible assets, 2019 Amortization of Intangible Assets Finite-Lived Intangible Assets, Net Finite-Lived Intangible Assets, Accumulated Amortization Gross Carrying Amount Weighted Average Amortization Period Noncompete Agreements [Member] Net Balance Accumulated Amortization Finite-Lived Intangible Assets, Gross Finite-Lived Intangible Assets [Line Items] Non-compete agreements [Member] Schedule of Finite-Lived Intangible Assets [Table] Licenses [Member] Licenses [Member] Genie Renewables [Member] GRE International Corporation [Member] Goodwill, Translation and Purchase Accounting Adjustments Consolidation of Roded The amount of the cost of sales reported by an equity method investment of the entities. Equity Method Investment, Summarized Financial Information, Cost of Sale Schedule of Finite-Lived Intangible Assets [Table Text Block] Schedule of goodwill Schedule of Goodwill [Table Text Block] Schedule of other intangible assets Goodwill and Intangible Assets Disclosure [Text Block] Goodwill and Other Intangible Assets Goodwill and Other Intangible Assets Remaining number of shares available for repurchase Natural gas Energy Related Inventory, Natural Gas Liquids Inventories Renewable credits Renewable credits Stockholders grant of options purchase Schedule of Inventory, Current [Table Text Block] Schedule of Inventories Inventories Inventories Inventory Disclosure [Text Block] Inventories Lumo Energia Oyj [Member] Business acquired interest Prism Solar Technology, Inc. [Member] Genie Energy Services [Member] Retained Earnings [Member] AOCI Attributable to Parent [Member] Additional Paid-in Capital [Member] Sale of Stock, Consideration Received Per Transaction Other comprehensive loss (income) Exercise of stock options, shares Exercise of stock options Beginning Balance, shares Other Comprehensive Income (Loss), Net of Tax Sale of equity of subsidiary Common stock warrants exercised Shares, Issued (Loss) income from discontinued operations, net of taxes Accumulated Other Comprehensive Income Additional Paid-In Capital Statement of Stockholders' Equity [Abstract] Total considerations Total consideration, net of cash acquired Subsequent Event [Line Items] Subsequent Event [Table] Effective interest rate Line of Credit Facility, Interest Rate During Period Interest rate on principal outstanding, description Line of Credit Facility, Interest Rate Description Line of Credit Facility, Maximum Borrowing Capacity Maximum principal amount on revolving line of credit Line of Credit Facility [Line Items] Line of Credit Facility, Lender [Domain] Line of Credit Facility, Lender [Domain] Lender Name [Axis] Lender Name [Axis] Line of Credit Facility [Table] The amount of restitution payments amount. Restitution payments amount Restitution Payments Amount Other Accrued Liabilities, Current Stock-based compensation, shares Amount of accrued foregoing The amount of gross revenue. Gross revenue Gross Revenue Amount of electricity revenues. Electricity revenues Electricity Revenues Agreed to make payments totaling Settlement Liabilities, Current Variable rate customers to a third party Liability for the settlement payment It represents reduction of liability for the settlement payment. Liability for the settlement payment Reduction In Liability For Settlement Payment Advance payment Prepaid Expense Percentage of state customer equivalents to total customer equivalents. Percentage of total RCEs of GRE's customer base Percentage Of State Customer Equivalents To Total Customer Equivalents Percentage of state meters to total meters served. Percentage of GRE's total meters served Percentage Of State Meters To Total Meters Served RCEs transferred to incumbent utilities during the period. RCEs transferred to incumbent utilities Rces Transferred To Incumbent Utilities Number of meters transferred to incumbent utilities during the period. Number of meters transferred to incumbent utilities Number Of Meters Transferred To Incumbent Utilities Settlement payment amount Loss Contingency, Estimate of Possible Loss Electricity Purchase Commitment Included In Other Commitment Future purchases of electricity Electricity purchase commitment included in other commitment. Purchase Of Renewable Energy Credit Purchase of renewable energy credit Purchase of renewable energy credit. Other Commitment Total payments Performance bond outstanding. Aggregate performance bond outstanding Performance Bond Outstanding Long-term Line of Credit Unused letters of credit Trade accounts payable Accounts Payable, Current Class Action Settlement Agreement [Member] Settled Litigation [Member] Settlement Agreement [Member] Litigation Status [Domain] Litigation Status [Axis] IDT Energy [Member] Idt Energy Illinois [Member] Town Square's Connecticut [Member] Town Square In Connecticut [Member] Town Square in Ohio [Member] Town Square In Ohio [Member] New York PSC [Member] New York Psc [Member] New Jersey Office and Attorney General [Member] New Jersey Office and Attorney General [Member] Letters of credit [Member] Standby Letters of Credit [Member] Loss Contingency, Nature [Domain] Loss Contingency Nature [Axis] BP [Member] Bp Energy Company And Bp Corporation North America Inc [Member] Supply Commitment Arrangement [Domain] Supply Commitment [Axis] Restricted Cash [Member] Cash [Member] Receivable [Domain] Receivable Type [Axis] Number of reportable segments Number of Reportable Segments Segment Reporting Information [Line Items] Segment Reporting Information [Line Items] Amso Llc. AMSO, LLC [Member] AMSO [Member] Amso Llc [Member] American Shale Oil Corporation. AMSO [Member] American Shale Oil Corporation [Member] IDT Energy. IDT Energy [Member] IDT [Member] Idt Energy [Member] Genie Retail Energy [Member] GRE [Member] Other Segments [Member] Geic. GEIC [Member] Geic [Member] Schedule of Segment Reporting Information, by Segment [Table] Proceeds from the exercise of warrants Corporate [Member] Corporate [Member] Gain from extinguishment of liability. Recognized gain from extinguishment of liability Gain From Extinguishment Of Liability Amount Paid To Employees. Amount paid to employees Amount Paid To Employees Stock Issued During Period, Value, Stock Options Exercised Amount of cash outflow for payment of insurance premiums. Payment of insurance premium Payment of Insurance Premium New note payment terms, description Debt Instrument, Payment Terms Outstanding balance Long-term Debt, Gross Employee paid Debt Instrument, Face Amount Redemption of preferred stock Stock issued during period, shares, issued for cashless exercise New Note [Member] New Note [Member] New Note Debt Instrument, Name [Domain] Debt Instrument [Axis] Related Party Transaction [Line Items] Rafael Holdings [Member] Rafael [Member] IDT [Member] Due to IDT [Member] Schedule of Related Party Transactions, by Related Party [Table] Antidilutive Securities Excluded from Computation of Earnings Per Share, Amount Non-vested restricted Class B common stock [Member] Nonvested Restricted Class B Common Stock [Member] Stock options and warrants [Member] Stock options [Member] Stock Option [Member] Stock options [Member] Employee Stock Option [Member] Antidilutive Securities, Name [Domain] Antidilutive Securities [Axis] Stock options and warrants Stock options Effect of dilutive securities: Variable interest entity option exercise loan forgiveness. Forgiveness of loan Variable Interest Entity Option Exercise Loan Forgiveness Variable Interest Entity (Textual) Variable Interest Entity Textual [Abstract] Citizens Choice Energy. CCE [Member] Citizens Choice Energy [Member] Variable Interest Entity [Line Items] Due to IDT Energy [Member] Variable Interest Entity, Not Primary Beneficiary [Member] Current liabilities. Current liabilities [Member] Current Liabilities [Member] Prepaid expenses. Amount of Gain (Loss) Recognized on Derivatives Prepaid expenses [Member] Prepaid Expenses [Member] Accounts receivable [Member] Trade accounts receivable [Member] Trade accounts receivable [Member] Trade Accounts Receivable [Member] Cash, cash equivalents and restricted cash [Member] Restricted cash. Restricted cash [Member] Cash and Cash Equivalents [Member] Cash, cash equivalents and restricted cash [Member] Schedule of Variable Interest Entities [Table] Variable Interest Entity, Measure of Activity, Operating Income or Loss Net (loss) income Net income (loss) Concentration risk, percentage Concentration Risk, Percentage ComEd [Member] Customer One [Member] Con Edison [Member] Customer [Member] Customer [Domain] Customer [Axis] Acquired shares Stock Issued During Period, Shares, Acquisitions Stock Issued During Period, Value, Acquisitions Aggregate cost of acquired Stock Issued During Period Vested Deferred Stock Units Energy hedging contracts Deferred stock units vested Stock Iissued during period vested deferred stock units. Weighted average period of unvested restricted stock awards. Weighted-average period Weighted Average Period Of Unvested Restricted Stock Awards Fair value of restricted shares grant Stock Issued During Period, Value, Restricted Stock Award, Gross Restricted shares granted Stock Issued During Period, Shares, Restricted Stock Award, Gross It represent stockholders cash bonus. Lieu of cash bonus Stockholders Cash Bonus Ownership percentage Equity Method Investment, Additional Information Description on sales of shares and warrants. Description on sales of shares and warrants Description On Sales Of Shares And Warrants The description related to renegotiated agreement. Renegotiated agreement, Description Renegotiated Agreement Description Warrants of sale price Description of sales of shares and warrants Sale of Stock, Description of Transaction Proceeds from Warrant Exercises Amount of warrants aggregate exercise price Warrants exercise price per share Class of Warrant or Right, Exercise Price of Warrants or Rights Warrants to purchase shares Amount of aggregate sales price Proceeds from Issuance of Common Stock Sale of shares price per share Sale of Stock, Price Per Share Sale of Stock, Number of Shares Issued in Transaction Sale of shares Sale of stock, transaction date Sale of Stock, Transaction Date Number of common stock shares issued Stock Issued During Period, Shares, New Issues Fair value of

common stock Stock Issued During Period, Value, New Issues Percentage of shares new issues. Company's investment, ownership percentage in subsidiary Stock Issued During Period Percentage Of Shares New Issues Sales of equity of subsidiaries interest rate. Sales of equity of subsidiaries interest Subsidiary Stock Sold During Period Equity Interest Commitment to purchase stock shares new issues per share value. Commitment to purchase shares price per share Commitment To Purchase Stock Shares New Issues Per Share Value The description related to exercise price. Exercise price description Exercise Price Description Proceeds from collection of receivables for issuance of equity. Proceeds from sales of Class B common stock and warrants Proceeds From Collection Of Receivables For Issuance Of Equity Description of employment agreement. Employment agreement description Employment Agreement Description Equity Method Investment, Summarized Financial Information, Revenues Sale of subsidiary stock percentage of ownership sold. Sale of subsidiary stock percentage of ownership sold Sale Of Subsidiary Stock Percentage Of Ownership Sold Sale of stock consideration by promissory note Commitment to purchase stock shares new issues. Commitment to purchase shares Commitment To Purchase Stock Shares New Issues Total value of exercise of stock options Revenues Amount of revenue from sale of product and rendering of service reported by equity method investees. Promissory notes Dividends paid Dividends, Common Stock Dividends declared per common share Dividends on common stock Common Stock, Dividends, Per Share, Cash Paid Proceeds from exercise of stock options Exercise of GOGAS stock option Stock Issued During Period Value Stock Options Exercised In Subsidiary Number of stock authorized to be repurchased Stock Repurchase Program, Number of Shares Authorized to be Repurchased Stock Repurchased During Period, Value Number of shares repurchased, value Number of shares repurchased, shares Stock Repurchased During Period, Shares Preferred stock, redemption terms Preferred Stock, Redemption Terms Preferred stock, dividend payment rate, variable Preferred Stock, Dividend Payment Rate, Variable Preferred stock, dividends per share Preferred Stock, Dividends Per Share, Declared Preferred stock dividend rate Preferred Stock, Dividend Rate, Per-Dollar-Amount Preferred Stock, Liquidation Preference Per Share Preferred stock, liquidation preference per share Amount of subsidiary shares sold Number of subsidiary shares sold Employee [Member] Board of Directors [Member] Director [Member] Relationship to Entity [Domain] Title of Individual [Axis] Stock-Based Compensation [Member] Stock Compensation Plan [Member] Equity Award [Domain] Award Type [Axis] Segment [Domain] SEC Schedule, 12-09, Schedule of Valuation and Qualifying Accounts Disclosure [Text Block] Segments [Domain] Redemption of preferred stock Disposal Group, Including Discontinued Operation, Assets, Current Preferred Stock, Redemption Price Per Share Redemption of preferred stock, shares Business Segments [Axis] Segments [Axis] Stock Repurchase Program [Member] Aggregate amount of shares under stock purchase program Howard S. Jonas [Member] Howards Jonas [Member] Genie Mongolia. Genie Mongolia [Member] Genie Mongolia [Member] Israel Energy Initiatives Ltd. Israel Energy Initiatives Ltd [Member] IEI [Member] Amount of subsidiary shares acquired Stock Repurchase Program [Member] Recognized gains on investment Amount of subsidiary shares acquired Israel Energy Initiatives Ltd [Member] Entity [Domain] Entity [Domain] Legal Entity [Axis] Legal Entity [Axis] Common Stock [Member] Common Stock Preferred Stock [Member] Preferred Stock Preferred Stock [Member] Paid date of declared dividend Payment Date Dividends Payable, Date to be Paid Record date of declared dividend Record Date Dividends Payable, Date of Record Aggregate Dividend Amount Dividends Payable Common stock dividends declared Investments [Domain] Dividend Per Share Dividends Payable, Amount Per Share Declaration Date Dividends Payable, Date Declared Class of Stock [Line Items] Dividends [Axis] Dividends on common stock Class A Common Stock and Class B Common Stock [Member] Class A Common Stock and Class B Common Stock [Member] Series A Preferred Stock [Member] Series 2012-A Preferred Stock [Member] Series 2012-A Preferred Stock (Preferred Stock) [Member] Schedule of Stock by Class [Table] Dividends on common stock Dividends on common stock ($0.075 per share) Dividends, Common Stock, Cash Debt Securities, Available-for-sale, Cost of Security Sold, Method [Abstract] Comprehensive loss attributable to noncontrolling interests Dividends on preferred stock Dividends on preferred stock Increase (Decrease) in Stockholders' Equity [Roll Forward] Noncontrolling Interests [Member] Noncontrolling Interests [Member] Noncontrolling Interests Noncontrolling interests [Member] Noncontrolling Interest [Member] Equity Component [Domain] Equity Component [Domain] Equity Components [Axis] Equity Components [Axis] Description loan agreement Bridge loan converted, description Bridge loan Bridge Loan Loan Receivable from Prism Solar Technologies, Inc. (Textual) Loan Receivable Textual [Abstract] Short-term Debt [Line Items] Prism Solar Technologies, Inc. [Member] Prism Solar Technologies, Inc [Member] Related Party Transaction [Domain] Related Party Transaction [Axis] Schedule of Short-term Debt [Table] Acquired agreement fees useful life. Charging set-up fees to expense on a straight-line basis Acquired Agreement Fees Useful Life Term of agreement. Power service agreement initial term Term Of Agreement Power service agreement fees Other Prepaid Expense, Current Acquired Finite-lived Intangible Assets, Weighted Average Useful Life Amortized straight-line basis over estimated life Option value Estimated option value Business Combination, Consideration Transferred, Other Exercise price Exercisable acquisition date Aggregate cash payment Convert of bridge loan Considerations gross/Cash acquired Business Acquisition, Percentage of Voting Interests Acquired Business acquisition, percentage of voting interests acquired Business combination acquire percentage Acquisition of Smile Energy G.K. (Textual) Business Combination, Description [Abstract] Flower Power Service Agreement [Member] Type Of Agreement [Domain] Type Of Agreement [Axis] Genie Japan [Member] Flower Denryoku [Member] Capital Sixty [Member] Related Party [Domain] Related Party [Axis] Outstanding balance, including accrued interest Accrued interest Debt Instrument, Increase, Accrued Interest Due date Maturity date Extended maturity date Debt Instrument, Maturity Date Annual interest rate Annual interest rate Debt Instrument, Interest Rate, Stated Percentage Loan amount Long-term Debt Description of joint venture agreement. Description of joint venture agreement Joint Venture Description It reprent loans receivable with variable rates of interest term. Loan payable term Loans Receivable With Variable Rates Of Interest Term Agreed to loan amount Loans Receivable with Variable Rates of Interest Net book value of investments Loss on investment Outstanding equity percentage Equity Method Investment, Ownership Percentage Investment in Shoreditch Energy Limited (Textual) Investment In Shoreditch Energy Limited Textual [Abstract] Business Acquisition [Line Items] EGC [Member] Energy Global Investments Pty Ltd [Member] GEUK [Member] Genie Energy Ukl Td [Member] Genie Oil and Gas one. Genie Oil and Gas [Member] GOGAS [Member] Genie Oil and Gas One [Member] Schedule of Business Acquisitions, by Acquisition [Table] Equity Method Investment Summarized Financial Information Other Income Other income Others Operating expenses Total operating expenses Operating expenses: Derivative Instruments, Gain (Loss) [Line Items] Cost of Sales [Member] Cost of revenues [Member] Income Statement Location [Domain] Income Statement Location [Domain] Income Statement Location [Axis] Income Statement Location [Axis] Derivative Instruments Not Designated as Hedging Instruments [Abstract] Derivatives, Fair Value [Line Items] Other current liabilities [Member] Other Current Liabilities [Member] Other Current Assets [Member] Prepaid expenses and other current assets [Member] Other current assets [Member] Balance Sheet Location [Domain] Balance Sheet Location [Axis] Energy contracts and options. Energy contracts and options [Member] Energy Contracts And Options [Member] Volume Description of Derivative Activity Volume Derivative [Line Items] Fourth quarter of 2025 Settlement Dates Thirteen [Member] First quarter of 2025 Settlement Dates Twelve [Member] Settlement Dates Eleven [Member] Fourth quarter of 2024 Settlement Dates Ten [Member] Third quarter of 2024 Settlement Dates Nine [Member] Second quarter 2024 Settlement Dates Eight [Member] First quarter 2024 Settlement Dates Seven [Member] Fourth quarter 2023 Third quarter 2023 Settlement Dates Six [Member] Second quarter 2023 Settlement Dates Five [Member] First quarter 2023 Settlement Dates Four [Member] Net income Fourth quarter 2022 Net loss Cost of revenues Settlement Dates Three [Member] Third quarter 2022 Settlement Dates Two [Member] Second quarter 2022 Settlement Dates One [Member] First quarter 2022 Settlement Dates [Member] Other Assets, Miscellaneous, Noncurrent Natural Gas Reserve [Member] Gas (in Dth) [Member] Electricity Commodity [Member] Electricity (in MWH) [Member] Derivative Contract [Domain] Derivative Instrument [Axis] Derivative [Table] Financial instrument included in other assets Notes Receivable, Fair Value Disclosure Receivables, Fair Value Disclosure [Abstract] Fair Value Measurements (Textual) Derivative contracts Assume liability related to expenses Derivative Liability Liabilities: Liabilities, Fair Value Disclosure [Abstract] Derivative contracts Derivative Assets Assets: Assets, Fair Value Disclosure [Abstract] Fair Values Assets And Liabilities Measured On Recurring Basis [Abstract] Level 3 [Member] Fair Value, Inputs, Level 3 [Member] Level 2 [Member] Fair Value, Inputs, Level 2 [Member] Level 1 [Member] Fair Value, Inputs, Level 1 [Member] Fair Value, Measurements, Fair Value Hierarchy [Domain] Fair Value, Measurements, Fair Value Hierarchy [Domain] Fair Value, Hierarchy [Axis] Fair Value, Hierarchy [Axis] Fair Value, Measurements, Recurring [Member] Recurring [Member] Measurement Frequency [Domain] Fair Value, Measurement Frequency [Domain] Measurement Frequency [Axis] Measurement Frequency [Axis] Fair Value Measurements, Recurring and Nonrecurring [Table] Fair Value Measurements, Recurring and Nonrecurring [Table] Beginning balance Ending balance Line of Credit Facility, Description Credit facility, description Letters of credit issued Outstanding balance of credit facility Investment net book value Investment Owned, Face Amount Loss on divestment Gain (Loss) on Disposition of Business Estimated fair value of investments Investment Owned, at Fair Value Assets and liabilities held for sale of net book value Derivative Assets (Liabilities), at Fair Value, Net Other assets [Member] Other Assets [Member] Accounts Receivable, Allowance for Credit Loss, Period Increase (Decrease) Provision for doubtful accounts receivable Schedule of change in allowance for doubtful accounts Other expense Equity Method Investment Summarized Financial Information Other Expense (Loss) income from operations Loss from operations Loss from operations Allowance for doubtful accounts, beginning Accounts Receivable, Allowance for Credit Loss Other Commercial Channel [Member] Other [Member] This member stands for the information pertaining to commercial channel. Commercial Channel [Member] Non Commercial Channel [Member] Non-Commercial Channel [Member] Disaggregation of Revenue [Line Items] Contract with Customer, Sales Channel [Domain] Contract with Customer, Sales Channel [Axis] Other Pricing Plans Offered [Member] Other [Member] Variable rate [Member] Time-and-materials Contract [Member] Fixed rate [Member] Fixed-price Contract [Member] Contract with Customer, Basis of Pricing [Domain] Contract with Customer, Basis of Pricing [Axis] Disaggregation of Revenue [Table] Revenues Oil and Gas [Member] Restricted cashâ€”short-term Restricted Cash and Cash Equivalents, Current Restricted cashâ€”short-term Percentage of electricity revenue generated in given period. Percentage of electricity revenue generated in given period Percentage Of Electricity Revenue Generated In Given Period Percentage of gas revenue generated in given period. Derivative Instruments, Gain (Loss) [Table Text Block] Percentage of gas revenue generated in given period Percentage Of Gas Revenue Generated In Given Period Ownership interest of company Ownership interest of company Deferred Stock Units Granted Represent Obligation Percentage Of Equity Subsequent Event [Member] Subsequent Event [Member] Subsequent Event Type [Domain] Subsequent Event Type [Axis] Minimum [Member] Maximum [Member] Range [Domain] Range [Axis] Deferred Tax Assets Valuation Allowance [Member] Valuation Allowance of Deferred Tax Assets [Member] Valuation Allowances and Reserves [Domain] Valuation Allowances and Reserves Type [Axis] Income Tax Reconciliation Foreign Income Tax Rate Differential [Member] Income Tax Reconciliation Foreign Income Tax Rate Differential [Member] Deferred Tax Assets Stock Options And Restricted Stock [Member] Acquisitions and Discontinued Operations. Deferred Tax Assets Stock Options and Restricted Stock [Member] Deferred Tax Asset [Domain] Valuation Allowance by Deferred Tax Asset [Axis] Customer Relationships [Member] Customer relationships [Member] Cash, cash equivalents, and restricted cash at beginning of period Cash, Cash Equivalents, Restricted Cash and Restricted Cash Equivalents Customer Relationships [Member] Finite-Lived Intangible Assets, Major Class Name [Domain] Finite-Lived Intangible Assets by Major Class [Axis] Patents and trademarks [Member] Trademarks [Member] Trademarks [Member] Stock option and incentive plan to reserve Stock option and incentive plan to reserve Other intangibles [Member] Other Intangible Assets [Member] Indefinite-lived Intangible Assets, Major Class Name [Domain] Indefinite-lived Intangible Assets [Axis] Less imputed interest Gross Receipts Tax [Member] Gross Receipts Tax [Member] This member stands for the information pertaining to gross receipts tax. Financing Fees [Member] Reclassification Adjustment [Domain] Reclassification Adjustment [Axis] Gross Trade Accounts Receivable Risk [Member] Gross Trade Accounts Receivable Risk [Member] Net Income (Loss) Attributable To Noncontrolling Interest Asset Impairment Charges Treasury Stock Acquired, Average Cost Per Share Weighted average cost per share Treasury stock outstanding Treasury stock cost Impairment in assets held for sale Impairment of Long-Lived Assets Held-for-use Revenues From Customers Risk [Member] Revenues from Customers Risk [Member] Customer B [Member] Title of 12(b) Security Customer B [Member] Contributed Amount Contributed Amount Local Phone Number Entity Tax Identification Number Concentration Risk Type [Domain] Entity Address, Postal Zip Code City Area Code Entity Address, City or Town Entity Address, State or Province Entity Address, Address Line Two Entity Address, Address Line Three Document Transition Report CityCom Solar [Member] Entity Address, Address Line One Concentration Risk Type [Axis] Office equipment and other [Member] Dividends accrued and unpaid Price per share Office Equipment [Member] Laboratory and drilling equipment [Member] Drilling Rights [Member] Computer hardware. Computers and computer hardware [Member] Computer Hardware [Member] Computer software and development [Member] Document Quarterly Report Software Development [Member] Property, Plant and Equipment, Type [Domain] Property, Plant and Equipment, Type [Axis] Stock Based Compensation Atid Drilling Ltd [Member] Atid Drilling Ltd. [Member] Gogas [Member] GOGAS [Member] GOGAS [Member] Genie Energy International Corporation [Member] Genie Energy International Corporation [Member] Afek Oil and Gas, Ltd. Afek Oil and Gas, Ltd. [Member] Afek [Member] Afek Oil And Gas Ltd [Member] Genie oil and gas. Genie Oil and Gas, Inc. [Member] GOGAS [Member] Genie Oil And Gas [Member] Prepaid Expense Error Correction [Member] This member stands for information pertaining to Genie Retail Energy. Genie Retail Energy [Member] Accounts Receivable, after Allowance for Credit Loss, Current The amount of valuation reserve for producing electric energy by transforming solar energy inventory. Electricity Generation Related Inventories, Solar Panels Inventory Valuation Reserves Schedule of Goodwill [Table] Increase (Decrease) in Captive Insurance Liability, Changes for provision of current year claims Changes for the provision for current year claims The amount of increase (decrease) in the captive insurance liability resulting from changes for the provision of current year claims. The amount of increase (decrease) in the captive insurance liability resulting from changes for the provision of prior year claims. Changes for the provision of prior year claims Increase (Decrease) in Captive Insurance Liability, Changes for provision of prior year claims Trade accounts receivable, net of allowance for doubtful accounts of $7,349 and $6,574 at June 30, 2024 and December 31, 2023, respectively Disposal Group, Including Discontinued Operation, Accrued Liabilities, Current Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Equipment GRE [Member] Right Of Use Assets Obtained In Exchange For Operating Lease Liabilities [Abstract] Disposal Groups, Including Discontinued Operations [Table]] Tabular disclosure of balance sheet information of assets and liabilities related to a disposal group. Genie Retail Energy [Member] Tabular disclosure of statement of cash flow information related to a disposal group. Foreign currency translation adjustments Reconciliation of Assets from Segment to Consolidated [Table Text Block] Schedule of total assets for the business segments Schedule of Segment Reporting Information, by Segment [Table Text Block] Schedule of operating results for the business segments Goodwill [Line Items] Diluted Other Comprehensive Income (Loss), Foreign Currency Transaction and Translation Adjustment, Net of Tax Derivative Liability, Statement of Financial Position [Extensible Enumeration] This member stands for the information pertaining to "OCH Holding Company and Entrust Green Initiative Fund, LLC". Repayment of notes receivable The amount of other income (loss) attributable to disposal group, including, but not limited to, discontinued operation. Accounts Payable, Accrued Liabilities, and Other Liabilities Disclosure, Current [Text Block] The amount of cash held in escrow transferred as consideration by the entity to the former owners of the acquiree. Unrealized gain on marketable equity securitiesÂ and investments and others, net The amount of unrealized gain

(loss) on marketable equity securitiesÂ and investments and others. Subsidiary or Equity Method Investee, Cumulative Percentage Ownership after All Transactions Company's investment, ownership percentage in subsidiary Schedule of operations of discontinued operations Disposal Groups, Including Discontinued Operations [Table Text Block] Schedule of Subsidiary or Equity Method Investee [Table] Accrued expenses and other current liabilities Disposal Group, Including Discontinued Operation, Accrued Income Tax Payable, Current Stock-based compensation Purchase Commitments [Member] Schedule of related party transactions Schedule of Related Party Transactions [Table Text Block] Schedule of Weighted Average Number of Shares [Table Text Block] Schedule of Variable Interest Entities [Table Text Block] Schedule of combined balance sheet amounts related to CCE Disposal Group, Including Discontinued Operation, Accounts Payable and Accrued Liabilities, Current Disposal Group, Including Discontinued Operation, Prepaid and Other Assets, Current Disposal Group, Including Discontinued Operation, Accounts, Notes and Loans Receivable, Net Disposal Group, Including Discontinued Operation, General and Administrative Expense Discontinued Operation, Income (Loss) from Discontinued Operation, before Income Tax Cash, cash equivalents and restricted cash (including cash held at discontinued operations) at end of the period Cash, cash equivalents, and restricted cash (including cash held at discontinued operations) at beginning of period Cash, Cash Equivalents, Restricted Cash and Restricted Cash Equivalents, Including Disposal Group and Discontinued Operations Schedule of concentration risk Schedules of Concentration of Risk, by Risk Factor [Table Text Block] Concentration Risk [Line Items] Accounts receivable [Member] Accounts Receivable [Member] Net income from continuing operations Income (Loss) from Continuing Operations, Net of Tax, Including Portion Attributable to Noncontrolling Interest Income (Loss) from Discontinued Operations and Disposal of Discontinued Operations, Net of Tax, Per Diluted Share Income (Loss) from Discontinued Operations and Disposal of Discontinued Operations, Net of Tax, Per Basic Share Income (Loss) from Discontinued Operations, Net of Tax, Attributable to Parent Sales Revenue, Net [Member] Revenues [Member] Consolidated revenues [Member] Concentration Risk Benchmark [Domain] Concentration Risk Benchmark [Axis] Concentration Risk [Table] Schedule of dividend paid Dividends Declared [Table Text Block] Schedule of changes in the components of equity Schedule of Stockholders Equity [Table Text Block] Schedule of Equity Method Investments [Line Items] Shoreditch [Member] Schedule of Equity Method Investments [Table] New Atid [Member] Investment, Name [Domain] Investment, Name [Axis] Schedule of revenues disaggregated Disaggregation of Revenue [Table Text Block] Schedule of Cash and Cash Equivalents [Table Text Block] Schedule of reconciliation of cash, cash equivalents, and restricted cash Net income (loss) from continuing operations Net assets Noncurrent portion Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Noncurrent Liabilities, Long-term Debt Noncurrent portion Net decrease in cash, cash equivalents, and restricted cash Business Combination, Step Acquisition, Equity Interest in Acquiree, Remeasurement Gain (Loss), Net Subsequent Event Subsequent Events [Text Block] Subsequent Events [Abstract] Recently Issued Accounting Standards Debt Disclosure [Text Block] Debt Debt [Abstract] Commitments and Contingencies Commitments and Contingencies Disclosure [Text Block] Commitments and Contingencies Business Segment Information Segment Reporting Disclosure [Text Block] Business Segment Information Depreciation Related Party Transactions Related Party Transactions Disclosure [Text Block] Business Combination, Pro Forma Information, Revenue of Acquiree since Acquisition Date, Actual Related Party Transactions Related Party Transactions [Abstract] Earnings Per Share [Text Block] Earnings (Loss) Per Share Earnings Per Share Income Tax Disclosure [Text Block] Income Taxes Income Taxes Disposal Group, Including Discontinued Operation, Liabilities, Current Variable Interest Entity Variable Interest Entity Disclosure [Text Block] Concentrations and Associated Credit Risk Concentration Risk Disclosure [Text Block] Concentrations and Associated Credit Risk [Abstract] Equity Stockholders' Equity Note Disclosure [Text Block] The pro forma net Income or Loss for the period which is attributable to the parent as if the business combination or combinations had been completed at the beginning of a period. Equity Accumulated Other Comprehensive Income Loan Receivable from Prism Solar Technologies, Inc. Loans, Notes, Trade and Other Receivables Disclosure [Text Block] Loan Receivable from Prism Solar Technologies, Inc. [Abstract] Acquisition of Smile Energy G.K. Business Combination Disclosure [Text Block] Acquisition [Abstract] This member stands for information pertaining to State of Connecticut Public Utilities Regulatory Authority ("PURA"). Income (Loss) From Continuing Operations Before Income Taxes, Extraordinary Items, Noncontrolling Interest Investment in Equity Method Investees Equity Method Investments and Joint Ventures Disclosure [Text Block] Investment in Equity Method Investees [Abstract] Derivative Instruments Derivative Instruments and Hedging Activities Disclosure [Text Block] Derivative Instruments Fair Value Measurements Fair Value Disclosures [Text Block] Fair Value Measurements Fair Value Disclosures [Abstract] Acquisitions and Discontinued Operations Trade accounts payable Acquisitions and Discontinued Operations Cash, Cash Equivalents, and Restricted Cash Cash and Cash Equivalents Disclosure [Text Block] Cash, Cash Equivalents, and Restricted Cash Business Description and Basis of Presentation [Text Block] Description of Business and Summary of Significant Accounting Policies The amount classified as accrued expenses and other current liabilities attributable to held for sale or expected to be disposed of within one year or the normal operating cycle, if longer. Basis of Presentation and Business Changes and Development Basis of Presentation and Business Changes and Development Total cash, cash equivalents, and restricted cash Cash, cash equivalents, and restricted cash at end of period Total cash, cash equivalents, and restricted cash Net Cash Provided by (Used in) Financing Activities Net cash used in financing activities Repurchase of Class B common stock Repayment of notes payable Repurchases of Class B common stock from employees Restricted Class B common stock purchased from employees Repurchases of Class B common stock Restricted Class B common stock purchased from employees Financing activities Net Cash Provided By (Used In) Financing Activities [Abstract] Net Cash Provided by (Used in) Investing Activities Net cash used in investing activities Capital expenditures Capital expenditures Capital expenditures Payments To Acquire Property, Plant, and Equipment Investing activities Net Cash Provided By (Used In) Investing Activities [Abstract] Net Cash Provided by (Used in) Operating Activities Net cash provided by operating activities Income taxes payable Increase (Decrease) In Income Taxes Payable Increase (Decrease) In Due To Related Parties, Current Due to IDT Corporation, net Increase (Decrease) in Due to Related Parties, Current, Total Increase (Decrease) In Accounts Payable and Accrued Liabilities Trade accounts payable, accrued expenses and other liabilities Trade accounts payable, accrued expenses and other current liabilities Trade accounts payable, accrued expenses and other current liabilities Other current assets and other assets Other current assets and other assets Other current assets and other assets Increase (Decrease) In Other Operating Assets Prepaid expenses Prepaid expenses Current Accrued Expenses and Other Current Liabilities Classified as Held for Sale Increase (Decrease) In Prepaid Expense Inventory Inventory Inventory Increase (Decrease) In Inventories Increase (Decrease) In Accounts Receivable Trade accounts receivables Trade accounts receivable Increase (Decrease) In Operating Capital [Abstract] Changes in assets and liabilities: Stock-based compensation Stock-based compensation costs Stock-based compensation Share-based Compensation Provision for doubtful accounts receivables Provision for doubtful accounts receivable the amount of other income reported by an equity method investment of the entity. Provision for doubtful accounts receivable Additions charged to expense Depreciation and amortization Depreciation and amortization Depreciation and amortization Operating activities Net Cash Provided By (Used In) Operating Activities [Abstract] Forgiveness of amount due from IDT Corporation SUPPLEMENTAL SCHEDULE OF NON-CASH FINANCING AND INVESTING ACTIVITIES Statement Of Cash Flows [Abstract] Comprehensive income attributable to Genie Energy Ltd. Comprehensive Income (Loss), Net Of Tax, Attributable To Parent The amount classified as accounts payable attributable to held for sale or expected to be disposed of within one year or the normal operating cycle, if longer. Comprehensive loss attributable to noncontrolling interests Carrying amount as of the balance sheet date of producing electric energy by transforming solar energy. Electricity Generation Related Inventories, Solar Panels Comprehensive Income (Loss), Net of Tax, Attributable to Noncontrolling Interest, Total Comprehensive gain attributable to noncontrolling interests Comprehensive income Other comprehensive loss: Other Comprehensive Income (Loss), Net Of Tax [Abstract] Other comprehensive income: Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] Consolidated Statements of Comprehensive Income [Abstract] Stock-based compensation included in selling, general and administrative expenses Other Selling, General and Administrative Expense The entire disclosure related to a disposal group classified as held-for-sale or disposed of by means other than sale or disposal of an individually significant component. Amount of increase (decrease) in obligation to transfer good or service to customer for which consideration from customer has been received or is due, from cumulative translation adjustments. Adjustments to reconcile net income to net cash provided by operating activities: Schedule of Notional Amounts of Outstanding Derivative Positions [Table Text Block] For an entity that discloses a concentration risk in relation to quantitative amount, which serves as the "benchmark" (or denominator) in the equation, this concept represents the concentration percentage values derived from the division. Operating Lease, Liability, Current, Statement of Financial Position [Extensible Enumeration] Short-term debts Operating Lease, Right-of-Use Asset, Statement of Financial Position [Extensible Enumeration] Business Combination, Step Acquisition, Equity Interest in Acquiree, Including Subsequent Acquisition, Percentage Acquired equity interest Less: Current maturities Total maturities 5.95% note payable, due in monthly payments of $7,184 including interest, through November 2019 when the balloon payment is due, collateralized by Prism's assets Accounts payable accrued expenses Accounts payable accrued expenses Patents Business Combination Recognized Identifiable Assets Acquired And Liabilities Assumed Customer Relationships Notes payable Short-term debts Business Combination Recognized Identifiable Assets Acquired and Liabilities Assumed Current Liabilities Short Term Debt Amount of liabilities incurred for goods and services received and other current liabilities that are used in an entity's business and related party payables, assumed at the acquisition date. Accounts and other current liabilities Debt Securities, Available-for-sale, Cost of Security Sold or Transferred, Method, Average Cost [Member] Common Stock, Dividends, Per Share, Declared Dividends on common stock Dividends declared per common share Weighted Average Number of Shares Outstanding, Diluted Diluted weighted-average number of shares Diluted Weighted Average Number of Shares Outstanding, Basic Basic weighted-average number of shares Basic Debt Securities, Available-for-sale, Cost of Security Sold or Transferred, Method, Specific Identification [Member] Defined Benefit Plan, Actuarial Gain (Loss), Immediate Recognition as Component in Net Periodic Benefit (Cost) Credit Earnings per share attributable to Genie Energy Ltd. common stockholders Net incomeÂ (loss) attributable to Genie Energy Ltd. common stockholders (Loss) earnings per common share, Diluted Earnings per share attributable to Genie Energy Ltd. common stockholders Earnings Per Share, Basic (Loss) earnings per common share, Basic Diluted Earnings Per Share, Diluted [Abstract] Net Income (Loss) Available To Common Stockholders, Basic Net income attributable to Genie Energy Ltd. common stockholders Dividends on preferred stock Dividends on preferred stock Dividend on preferred stock Net income (loss) Net income Net increase in cash, cash equivalents, and restricted cash Net (loss) income attributable to noncontrolling interests, net (Net income) loss attributable to noncontrolling interests Loss attributable to noncontrolling interests Net (loss) income attributable to noncontrolling interests Net income Net income (loss) Cash, Cash Equivalents, Restricted Cash and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect Net income Net Income (Loss), Including Portion Attributable to Noncontrolling Interest Loan payable Provision for income taxes Benefit from (provision for) income taxes Schedule of Equity Method Investments [Table] (Provision for) benefit from income taxes Discontinued Operations [Line Items] Provision for (benefit from) income taxes Income Tax Expense (Benefit) Other income, net Other Nonoperating Income (Expense) Interest expense Interest Expense, Debt Interest income Investment Income, Interest Income (loss) from operations Income (loss) from operations Income from operations Product and Service, Other [Member] Other Asset Current Product and Service [Axis] IGM Brokerage Corp [Member] Balance of loan receivable Income (Loss) from Equity Method Investments Ending Balance, shares Impairment of Long-Lived Assets to be Disposed of Write-down of assets held for sale to fair value Write-down to fair value of Atid's assets held for sale Write-down of assets held for sale to fair value Loss on disposal of assets held for sale Selling, general and administrative Selling, general and administrative (i) Selling, general and administrative expense Selling, General and Administrative Expense Schedule of Other Derivatives Not Designated as Hedging Instruments, Statements of Financial Performance and Financial Position, Location [Table Text Block] Schedule of fair value of outstanding derivative instruments recorded as assets and liability Remaining Acquired Interest Percentage Schedule Of Net Income Loss And Aggregate Net Funding Repaid Or Provided By Company To Variable Interest Entity [Table Text Block] Operating expenses: OPERATING EXPENSES: Operating expenses and losses: Operating Expenses [Abstract] Gross profit Gross profit Gross Profit Cost of revenues Direct cost of revenues Cost of revenues Direct cost of revenues Cost of Revenue Revenues Revenues Electricity [Member] Other asset current Total revenues Total revenues Finite-Lived Intangible Assets, Amortization Expense, Remainder of Fiscal Year Amortization expense of finite lives intangible assets, remainder of 2024 Renewable energy credits [Member] Debt Instrument, Description Selling, General and Administrative Expenses [Member] Equity in the net loss in equity method investees Less imputed interest Lessee, Operating Lease, Liability, Undiscounted Excess Amount Revenues [Abstract] Schedule of net loss related to CCE and aggregate net funding Revenues: Revenues [Abstract] Income Statement [Abstract] Common Stock, Shares, Outstanding, Ending Balance Common Stock, Shares, Outstanding, Beginning Balance Common stock, shares outstanding Common Stock, Shares, Outstanding Common Stock, Shares, Issued, Total Common stock, shares issued Recently Issued Accounting Standards Textual Trademark [Member] Common Stock, Shares, Issued Common stock, shares authorized Common Stock, Shares Authorized Common stock, par value (In dollars per share) Common Stock, Par Or Stated Value Per Share Preferred stock, shares outstanding Preferred stock, shares outstanding Preferred Stock, Shares Issued, Total Preferred stock, shares issued Preferred Stock, Shares Issued Preferred stock, shares authorized Preferred Stock, Shares Authorized Preferred Stock, Par Value (In Dollars Per Share) Preferred stock, par value (In dollars per share) Balance at end of period Balance at beginning of period Allowance for doubtful accounts, trade accounts receivable (in dollars) Allowance for Doubtful Accounts Receivable, Current Series 2012-A Preferred Stock Schedule of net income loss and aggregate net funding repaid or provided by company to variable interest entity. Series [Member] Total liabilities and equity TOTAL LIABILITIES AND EQUITY Total Liabilities and Equity Ending Balance Beginning Balance Total equity TOTAL EQUITY Stockholders' Equity Attributable to Noncontrolling Interest NoncontrollingÂ interests Stockholders Equity Attributable To Parent Total Genie Energy Ltd. stockholders' equity Total Genie Energy Ltd. stockholdersâ€™ equity Stockholders' Equity Attributable to Parent, Beginning Balance Stockholders Equity Attributable to Parent, Ending Balance Retained Earnings (Accumulated Deficit), Ending Balance Retained Earnings (Accumulated Deficit), Beginning Balance Retained earnings Accumulated deficit Retained earnings (accumulated deficit) Accumulated other comprehensive income (loss), Net, Ending balance Accumulated other comprehensive income (loss), Net, Beginning balance Accumulated other comprehensive loss Accumulated other comprehensive income Accumulated Other Comprehensive Income (Loss), Net of Tax Treasury Stock, Value Treasury stock, at cost, consisting of 3,468 and 2,944 shares of Class B common stock at June 30, 2024 and December 31, 2023 Loss before taxes Stockholders Equity Attributable To Parent [Abstract] Genie Energy Ltd. stockholdersâ€™ equity: Equity: Commitments and contingencies Commitments and Contingencies. Total liabilities Liabilities Other liabilities Total other liabilities Total other liabilities Revolving loan facility Unused letters of credit Long-term Line of Credit, Noncurrent Total current liabilities Current liabilities Total Current Liabilities Other Liabilities, Current Other current liabilities Income Tax Reconciliation Change in Deferred Tax Assets Valuation Allowance [Member] Total other current liabilities Income taxes payable Accrued Income Taxes, Current Total investigation accrual Accrued Liabilities, Current, Total Accrued expenses Total settlement payment Accrued Liabilities, Current Trade accounts payable Accounts Payable, Trade, Current Current liabilities: Liabilities, Current [Abstract] Liabilities and equity LIABILITIES AND MEMBERS' INTERESTS Liabilities and

Equity Total assets Total assets TOTAL ASSETS Assets Total other assets Other assets Other Assets, Noncurrent Restricted Cash and Cash Equivalents, Noncurrent Restricted cashâ€”long-term Restricted cash-long-term Line of Credit Facility, Fair Value of Amount Outstanding Maximum principal amount on working capital financing Balance, beginning of period Carrying value of investment in equity method investees Other intangibles, net Other Intangible Assets, Net Goodwill Allocated to goodwill Goodwill Property and equipment, net Property, Plant and Equipment, Net Equipment, net Property and equipment, net Property, Plant and Equipment, Net, Beginning Balance Property, Plant and Equipment, Net, Ending Balance Total current assets Total current assets Assets, Current Acquisition other current assets Other Current Assets Prepaid expenses Prepaid expenses Prepaid Expense, Current Totals Inventory Inventory, Net Cash, cash equivalents, and restricted cash at end of period Cash, cash equivalents, and restricted cash at beginning of period Cash and cash equivalents Cash and cash equivalents Cash and cash equivalents Cash and cash equivalents Cash and Cash Equivalents, at Carrying Value Other Current Assets [Abstract] Current assets: Assets Notes receivable from Prism, including accrued interest, converted to Prism's equity Assets [Abstract] Statement of Financial Position [Abstract] Balance Sheets [Abstract] Entity Common Stock, Shares Outstanding Entity Common Stock, Shares Outstanding Entity Emerging Growth Company Entity Small Business Entity Filer Category Entity Filer Category Document Fiscal Period Focus Document Fiscal Period Focus Document Fiscal Year Focus Document Fiscal Year Focus Document Period End Date Document Period End Date Document Type Document Type Current Fiscal Year End Date Current Fiscal Year End Date Amendment Flag Amendment Flag Additions during the period, net of revenue recognized during the period Trading Symbol Entity Central Index Key Entity Central Index Key Entity Registrant Name Entity Registrant Name Statement [Line Items] Class B Common Stock Common Class B [Member] Common Class A [Member] Class A common stock [Member] Class A Common Stock Common Class A [Member] Class of Stock [Domain] Class of Stock [Domain] Class of Stock [Axis] Class of Stock [Axis] Statement [Table] Statement [Table] Net income attributable to Genie Energy Ltd. Long Lived Assets Held-for-sale [Line Items] UNITED STATES UNITED KINGDOM CANADA Geographical [Domain] Valuation, Cost Approach [Member] Valuation Technique, Option Pricing Model [Member] Valuation Technique, Discounted Cash Flow [Member] Valuation, Income Approach [Member] Valuation Technique, Consensus Pricing Model [Member] Valuation Technique, Matrix Pricing [Member] Valuation, Market Approach [Member] Valuation Approach and Technique [Domain] Corporate and Other [Member] Postemployment Retirement Benefits [Member] Other Pension, Postretirement and Supplemental Plans [Member] Supplemental Employee Retirement Plan [Member] Other Pension Plan [Member] Contract with Customer, Liability, Cumulative Catch-up Adjustment to Revenue, Modification of Contract Postretirement Life Insurance [Member] Postretirement Health Coverage [Member] Other Postretirement Benefits Plan [Member] Pension Plan [Member] Retirement Plan Type [Domain] Nonqualified Plan [Member] Qualified Plan [Member] Retirement Plan Tax Status [Domain] Foreign Plan [Member] Domestic Plan [Member] Retirement Plan Sponsor Location [Domain] Unfunded Plan [Member] Underfunded Plan [Member] Overfunded Plan [Member] Funded Plan [Member] Retirement Plan Funding Status [Domain] Liabilities Held for Sale Included in Other Current Liabilities Classified as Held for Sale Asset Pledged as Collateral [Member] Asset Held in Trust [Member] Restriction Type [Domain] Trust for Benefit of Employees [Member] Subsidiaries [Member] Affiliated Entity [Member] Asset Management Arrangement [Member] Other Long-duration Insurance Product Line [Member] Other Short-duration Insurance Product Line [Member] Other Insurance Product Line [Member] Terminal Funding Annuity [Member] Structured Settlement Annuity [Member] Immediate Variable Annuity [Member] Liabilities held for sale included in other current liabilities Deferred Variable Annuity [Member] Variable Annuity [Member] Immediate Fixed Annuity [Member] Deferred Fixed Annuity [Member] Fixed Annuity [Member] Guaranteed Investment Contract [Member] Title Insurance Product Line [Member] Surety Product Line [Member] Property Insurance Product Line [Member] The amount classified as liabilities attributable to held for sale or expected to be disposed of within one year or the normal operating cycle, if longer. Property and Casualty, Commercial Insurance Product Line [Member] Business Combination, Consideration Transferred, Equity Interests Issued and Issuable Property and Casualty, Personal Insurance Product Line [Member] Property, Liability and Casualty Insurance Product Line [Member] Financial Guarantee Insurance Product Line [Member] Disability Insurance Policy [Member] Health Insurance Product Line [Member] Accident and Health Insurance Product Line [Member] Other current liabilities Notes payable â€” current portion Investments Product Line [Member] Interest Sensitive Life [Member] Universal Life [Member] Variable Life [Member] Nonparticipating Life Insurance Contract [Member] Participating Life Insurance Contract [Member] Life Insurance Product Line [Member] Life and Annuity Insurance Product Line [Member] Individual Insurance Policies [Member] Group Insurance Policies [Member] Schedule of weighted-average number of shares used in the calculation of basic and diluted earnings per share Nontraditional Long-Duration Contracts [Member] Product and Service [Domain] Measurement Input, Control Premium [Member] Measurement Input, Expected Dividend Payment [Member] Measurement Input, Entity Credit Risk [Member] Measurement Input, Comparability Adjustment [Member] Measurement Input, Cap Rate [Member] Measurement Input, Withdrawal Rate [Member] Measurement Input, Utilization Rate [Member] Measurement Input, Mortality Rate [Member] Measurement Input, Lapse Rate [Member] Measurement Input, Cost to Sell [Member] Measurement Input, Discount for Lack of Marketability [Member] Measurement Input, Prepayment Rate [Member] Measurement Input, Constant Prepayment Rate [Member] Measurement Input, Expected Term [Member] Measurement Input, Conversion Price [Member] Measurement Input, Option Volatility [Member] Measurement Input, Price Volatility [Member] Measurement Input, Exercise Price [Member] Measurement Input, Counterparty Credit Risk [Member] Measurement Input, Long-term Revenue Growth Rate [Member] Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Property, Plant, and Equipment Measurement Input, Revenue Multiple [Member] Measurement Input, EBITDA Multiple [Member] Measurement Input, Loss Severity [Member] Measurement Input, Default Rate [Member] Net loss Measurement Input, Maturity [Member] Measurement Input, Commodity Future Price [Member] Measurement Input, Commodity Forward Price [Member] Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Inventory Other liabilities Cash Measurement Input, Commodity Market Price [Member] Measurement Input, Credit Spread [Member] Measurement Input, Appraised Value [Member] Measurement Input, Share Price [Member] Measurement Input, Discount Rate [Member] Measurement Input, Expected Dividend Rate [Member] Measurement Input, Risk Free Interest Rate [Member] Measurement Input Type [Domain] Deferred Compensation Liability, Classified, Noncurrent Accrued Income Taxes, Noncurrent Capital Lease Obligations, Noncurrent Other Long-term Debt, Noncurrent Long-term Debt and Capital Lease Obligations Long-term Debt, Excluding Current Maturities Liabilities, Noncurrent [Abstract] Debt, Current Total accrued expenses Accounts Payable and Accrued Liabilities Other Liabilities Liabilities [Abstract] Utilities Operating Expense Selling Expense Selling and Marketing Expense Salary and Wage, Excluding Cost of Good and Service Sold Salary and Wage, NonOfficer, Excluding Cost of Good and Service Sold Other Selling and Marketing Expense Other Nonrecurring (Income) Expense Other Nonrecurring Income Other Nonrecurring Expense Other Nonoperating Gains (Losses) Other Nonoperating-Asset Related Income Other Noninterest Expense Other Labor-related Expenses Other General Expense Other General and Administrative Expense Other Expenses Other assets Other Cost and Expense, Operating Operating Costs and Expenses Salary and Wage, Officer, Excluding Cost of Good and Service Sold Nonoperating Income (Expense) Intangible assets: Nonoperating Gains (Losses) Noninterest Expense Labor and Related Expense Investment Income, Nonoperating Interest Income (Expense), Nonoperating, Net Other current assets Interest Income (Expense), Net Interest Expense, Other Interest and Debt Expense General and Administrative Expense Employee Benefits and Share-based Compensation Direct Operating Costs Defined Benefit Plan, Other Cost (Credit) Defined Benefit Plan, Interest Cost Defined Benefit Plan, Expected Return (Loss) on Plan Assets Defined Benefit Plan, Amortization of Transition Asset (Obligation) Trade accounts receivable Business Combination, Acquisition of Less than 100 Percent, Noncontrolling Interest, Fair Value Defined Benefit Plan, Amortization of Prior Service Cost (Credit) Recognized cost term Defined Benefit Plan, Amortization of Gain (Loss) Costs and Expenses Cost of Goods and Services Sold Cost, Direct Labor Interest Income, Operating Interest Expense Other Nonoperating Expense Other Depreciation and Amortization Amortization of Deferred Charges Amortization of Other Deferred Charges Other Nonoperating Income Other Operating Income Venture Capital Funds [Member] Unused lines of Credit [Member] Short-term Debt [Member] Senior Debt Obligations [Member] Real Estate Funds [Member] Private Equity Funds, Non-US [Member] Private Equity Funds, US [Member] Private Equity Funds [Member] Policy Loans [Member] Long-term Debt [Member] Loan Purchase Commitments [Member] Loan Origination Commitments [Member] Interest Rate Lock Commitments [Member] Hedge Funds, Equity Long (Short) [Member] Hedge Funds, Multi-strategy [Member] Hedge Funds, Global Opportunity [Member] Hedge Funds, Event Driven [Member] Hedge Funds, Equity [Member] Hedge Funds [Member] Grant over period term Separated Host Financial Instrument, Fair Value Option [Member] Warranty, Rights and Obligations, Fair Value Option [Member] Insurance Contract, Rights and Obligations [Member] Written Loan Commitment, Fair Value Option [Member] Firm Commitment Not Recognized at Inception, Fair Value Option [Member] Fair Value Option, Other Eligible Items [Member] Equity Funds [Member] Deposits [Member] Debt [Member] Capital Support Agreement [Member] Credit Default Swaption [Member] Interest Rate Swaption [Member] Variance Swap [Member] Total Return Swap [Member] Foreign Exchange Forward [Member] Exchange Traded Options [Member] Energy Related Derivative [Member] Option on Securities [Member] Foreign Exchange Future [Member] Single-Stock Future [Member] Bond Future [Member] Euribor Future [Member] Eurodollar Future [Member] NASDAQ Index Future [Member] DJIA Index Future [Member] Future [Member] Warrant [Member] Credit Default Swap [Member] Basis Swap [Member] Interest Rate Swap [Member] Currency Swap [Member] Equity Swap [Member] Swap [Member] Credit Spread Option [Member] Foreign Exchange Option [Member] Swaption [Member] Share-based Compensation Arrangement by Share-based Payment Award, Fair Value Assumptions, Expected Term Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Schedule of Antidilutive Securities Excluded from Computation of Earnings Per Share [Table] Non-vested restricted Class B common stock Interest Rate Floor [Member] Interest Rate Cap [Member] Credit Default Option [Member] Commodity Option [Member] Equity Option [Member] Bond Option [Member] Options Held [Member] Forward Contracts [Member] Derivative [Member] Commodities Investment [Member] Commitments to Extend Credit [Member] Accrued Liabilities [Member] Financial Instruments [Domain] Fair Value Measured at Net Asset Value Per Share [Member] Fair Value, Inputs, Level 1, 2 and 3 [Member] Debt Securities, Maturity Allocation, Expected Maturity [Member] Incremental Common Shares Attributable to Dilutive Effect of Nonvested Shares with Forfeitable Dividends Debt Securities, Maturity Allocation, Contractual Maturity [Member] Incremental Common Shares Attributable to Dilutive Effect of Call Options and Warrants Debt Securities, Maturity Allocation, Average Remaining Life [Member] Debt Securities, Maturity Allocation [Domain] Exercise price Individually Immaterial Counterparties [Member] Stock option and incentive plan to reserve Counterparty Name [Domain] Total unrecognized compensation cost Unrecognized compensation cost Change in Valuation Technique, Reason, Inactive Market [Member] Change in Valuation Technique [Abstract] Stock Repurchase Program, Remaining Number of Shares Authorized to be Repurchased Prepaid Expense and Other Assets, Current Income Taxes Receivable Accrued Investment Income Receivable Share-based Compensation Arrangement by Share-based Payment Award, Options, Grants in Period, Gross Prepaid Expense and Other Assets Comprehensive Income (Loss), Net of Tax, Including Portion Attributable to Noncontrolling Interest Other assets Entity File Number Genie Energy International Corporation [Member] Genie Retail Energy International [Member] Operating Expenses United Kingdom Operations [Member] Entity Shell Company Natural gas [Member] Settlement Dates [Axis] Information by type of outstanding contracts and options settlement dates. Settlement Dates [Domain] Variable Interest Entity, Reporting Entity Involvement, Maximum Loss Exposure, Amount Contract liability Contract liability, end Derivative Instruments Not Designated as Hedging Instruments, Gain (Loss), Net Contract liability Contract liability, beginning Contract with Customer, Liability, Current Settlement dates of outstanding contracts and options. Cash Flow, Operating Activities, Lessee [Abstract] Operating Lease, Right-of-Use Asset Effects of derivative instruments on the consolidated statements of operations ROU Assets Derivative Instruments Not Designated as Hedging Instruments, Gain (Loss), Net [Abstract] Derivative Instruments, Gain (Loss) [Table] Equity Method Investment, Realized Gain (Loss) on Disposal Liability Derivatives not designated or not qualifying as hedging instruments Cash paid for amounts included in the measurement of lease liabilities: Loss contingency damages sought, value Recently Issued Accounting Standards (Textual) Other Right-of-Use Asset Obtained in Exchange for Operating Lease Liability Proceeds from Sale and Collection of Notes Receivable Operating leases Operating cash flows from operating activities (Loss) Earnings per share attributable to Genie Energy Ltd. common stockholders: Derivative Instruments Not Designated as Hedging Instruments, Liability, at Fair Value Consolidated Entities [Domain] Consolidated Entities [Axis] Lessee, Operating Lease, Liability, Payments, Due Year Two Remainder of 2024 Lessee, Operating Lease, Liability, Payments, Due Year Three Lessee, Operating Lease, Liability, Payments, Due Year Four Adjustments To Reconcile Net Income (Loss) To Cash Provided By (Used In) Operating Activities [Abstract] Total future lease payments Lessee, Operating Lease, Liability, Payments, Due after Year Five 2026 Lessee, Operating Lease, Liability, Payments, Remainder of Fiscal Year 2028 2027 Lessee, Operating Lease, Liability, Payments, Due Thereafter Equity Method Investments, Summarized Financial Information, Net Income (Loss) Gain (loss) recognized during the period Gre International [Member] Common stock issued for stock repurchase program Stock Issued During Period Value For Stock Repurchase Program Prepaid Expenses and Other Current Assets [Member] Prepaid expenses and other current assets [Member] Asset Derivatives not designated or not qualifying as hedging instruments Derivative Instruments Not Designated as Hedging Instruments, Asset, at Fair Value Additional Paid in Capital Additional paid-in capital Common stock value Common Stock, Value, Outstanding Preferred Stock, Value, Outstanding Trademark (10-year useful life) Schedule of fair value of outstanding derivative instruments recorded as assets and liability Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Other [Member] Repurchase of Class B common stock from stock repurchase program Operating Lease, Liability Funding Agreement [Member] Funding Agreement [Member] Commitment To Loan Amount Commitment to loan amount Fair Value, Assets and Liabilities Measured On Recurring and Nonrecurring Basis [Line Items] The amount of loan commitment. Additional Loan Amount Additional loan amount Business transfer agreement description The amount of additional loan to be provided. The value of common stock issued for stock repurchase program. Expiration date of warrants held. Business Combination, Recognized Identifiable Assets Acquired, Goodwill, and Liabilities Assumed, Less Noncontrolling Interest Expiration date of the option Amount of income (loss) from continuing operations reported by an equity method investees. Genieâ€™s equity in net loss Options, Expiration Date Security Exchange Name United Kingdom Operations [Member] Total operating lease liabilities Operating Lease Liabilities Accrued Expenses and Other Liabilities [Member] Schedule of accrued expenses Schedule of accrued expenses Employee-related Liabilities, Current Other accrued expenses Liability to customers related to promotions and retention incentives Payroll and employee benefit Payroll and employee benefit Accounts Payable and Accrued Liabilities, Current Basic Shoreditch Energy Limited [Member] Shoreditch Energy Limited [Member] Total operating lease liabilities Lessee, Operating Leases [Text Block] Operating leases, rent expense Operating Lease, Cost Dividends, Preferred Stock, Cash Dividends, Common Stock, Cash Finite-Lived Intangible Assets, Amortization Expense, Next Twelve Months Lessee, Operating Lease, Liability, to be Paid, Year One 2025 Variable Interest Entity [Abstract] Deferred Income Tax Assets, Net Deferred income tax assets, net Restricted Cash [Member] Concentration Risk, Percentage One Concentration risk, percentage Business Acquired interest Business Acquisition, Pro Forma Earnings Per Share, Diluted Business Acquisition, Pro Forma Earnings Per Share, Basic Orbit Energy [Member] Accounting Standards Update and Change in Accounting Principle [Text Block]

Recently Issued Accounting Standards Reconciliation of Assets from Segment to Consolidated [Table] Marketable equity securities Segment Reporting, Asset Reconciling Item [Line Items] Revenue of acquiree Estimated fair value of the investment Business acquisition, loans receivable acquired Percentage of remaining equity interest acquired Contribution for previous acquisition of business The amount of net book value of the investment for business combination. Equity Method Investment, Summarized Financial Information, Income (Loss) from Continuing Operation Genieâ€™s equity in net income (loss) The amount of net income (loss) reported by an equity method investment of the entities. Schedule of Antidilutive Securities Excluded from Computation of Earnings Per Share [Table Text Block] Schedule of shares were excluded from the diluted earnings per share Schedule of balance 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] Stockholders' Equity, Including Portion Attributable to Noncontrolling Interest Business Combination Recognized Identifiable Assets Acquired and Liabilities Assumed Current Liabilities Accounts Payable and Other Current Liabilities Business Combination Recognized Identifiable Assets Acquired and Liabilities Assumed Current Maturities Liabilities Long Term Debt Less: Current maturities Total notes payable Business Combination Recognized Identifiable Assets Acquired and Liabilities Assumed Liabilities Long Term Debt 20.00% demand note payable, uncollaterlized Net book value of the investment Business Combination Step Acquisition Equity Interest in Acquiree Net Book Value Business Combination Recognized Identifiable Assets Acquired and Liabilities Assumed Liabilities Demand Note Payable 5.95% note payable, due in monthly payments of $7,184 including interest, through November 2019 when the balloon payment is due, collateralized by Prism's assets Business Combination Recognized Identifiable Assets Acquired and Liabilities Assumed Liabilities Note Payable Patents Stockholders Equity, Including Portion Attributable To Noncontrolling Interest [Abstract] Utilities Operating Expense, Maintenance, Operations, and Other Costs and Expenses Results of Operations, General and Administrative Related to Oil and Gas Producing Activities Notes payable â€” net of current portion Net Periodic Defined Benefits Expense (Reversal of Expense), Excluding Service Cost Component Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Liabilities, Other Defined Benefit Plan, Net Periodic Benefit Cost (Credit), Gain (Loss) Due to Settlement and Curtailment Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Liabilities, Long-term Debt Accounts payable accrued expenses Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Liabilities, Accounts Payable And Accrued Expenses Business Combination Recognized Identifiable Assets Acquired and Liabilities Assumed Patents and Trademarks. Business Combination Recognized Identifiable Assets Acquired And Liabilities Assumed Patents And Trademarks Property plant and equipment Goodwill Net assets Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Noncurrent Liabilities, Other Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Other Noncurrent Assets Defined Benefit Plan, Net Periodic Benefit Cost (Credit), Gain (Loss) Due to Settlement Defined Benefit Plan, Net Periodic Benefit Cost (Credit), Gain (Loss) Due to Curtailment Change in Valuation Technique, Reason, Current Appraisal Unobtainable [Member] Customer relationships Amount of customer relationships, acquired at the acquisition date. Customer relationship (2-year useful life) Amount of non compete agreement, acquired at the acquisition date. Non-compete agreements (2-year useful life) Business Combination Recognized Identifiable Assets Acquired And Liabilities Assumed Non Compete Agreement Business Combination Recognized Identifiable Assets Acquired And Liabilities Assumed Trademark Amount of trademark, acquired at the acquisition date. Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Intangible Assets, Other than Goodwill [Abstract] Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Assets, Other Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Current Assets, Receivables Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Cash and Equivalents Related Party Transaction Reduction Of Selling General And Administrative Expenses From Transactions With Related Party Amount the Company charged IDT Reduction of selling, general and administrative expenses resulting from transactions with related party. Variable interest entity activity between VIE and entity percentage of VIE interests subject to option. Percentage of option to purchase Variable Interest Entity Activity Between Vie And Entity Percentage Of Vie Interests Subject To Option Summarized consolidated balance sheet amounts related to CCE Variable Interest Entity Classifications Of Carrying Amount Assets And Liabilities Net [Abstract] The share-based compensation arrangement by share-based payment award options fair value of grants in period. Lieu of cash bonus Share Based Compensation Arrangement By Share Based Payment Award Options Fair Value Of Grants In Period Share-based Compensation Arrangements by Share-based Payment Award, Options, Grants in Period, Weighted Average Exercise Price Share-based Compensation Arrangement by Share-based Payment Award, Number of Additional Shares Authorized Subsidiary or equity method investee cumulative percentage ownership before all transactions. Percentage ownership before all transactions Subsidiary Or Equity Method Investee Cumulative Percentage Ownership Before All Transactions Class of warrant or right exercise price of warrants or rights premium on sales price. Class Of Warrant Or Right Exercise Price Of Warrants Or Rights Premium On Sales Price Accrued interest rate for stockholders equity note subscriptions receivable for stock option exercised in subsidiary interest rate stated percentage. Note accrued interest Sale Of Stock Consideration Received On Transaction Paid Through Promissory Note Interest Rate Employee Service Share-based Compensation, Nonvested Awards, Compensation Cost Not yet Recognized Stock issued during period value stock options exercised in subsidiary total value. Stock Issued During Period Value Stock Options Exercised In Subsidiary Total Value Stock issued during period value stock options exercised in subsidiary stock percentage of ownership sold. Ownership acquire interest of company Stock Issued During Period Value Stock Options Exercised In Subsidiary Stock Percentage Of Ownership Sold Description of the collateral stockholders equity note subscriptions receivable for stock option exercised in subsidiary. Promissory notes collateral Stockholders Equity Note Subscriptions Receivable For Stock Option Exercised In Subsidiary Collateral Contractual interest rate for stockholders equity note subscriptions receivable for stock option exercised in subsidiary interest rate stated percentage. Promissory notes interest rate Stockholders Equity Note Subscriptions Receivable For Stock Option Exercised In Subsidiary Interest Rate Stated Percentage Sale of stock consideration received on transaction paid through promissory note maturity date. Promissory note maturity date Sale Of Stock Consideration Received On Transaction Paid Through Promissory Note Maturity Date Value of stockholders equity note subscriptions receivable for stock option exercised in subsidiary. Stockholders Equity Note Subscriptions Receivable For Stock Option Exercised In Subsidiary Value of stock issued as a result of the exercise of stock options for subsidiary. Business Combination, Acquired Direct Financing Lease Receivable The amount of purchase price under purchase agreement for business combination. Business acquisition, purchase price Business Acquisition Purchase Price This member stands for information pertaining to Shoreditch Energy Limited. Amount transferred to court's registry Net income attributable to Genie Energy Ltd. common stockholders Business Acquisitions Pro Forma Net Income Loss Attributable to Parent This member stands for information pertaining to Genie Energy UK Limited. Genie Energy UK Limited Genie Energy Uk Limited [Member] Marketable equity securities Other Short-term Investments Other current assets (Investments in warrants) Issuance of Class B common stock to Howard Jonas (in shares) Gain on marketable equity securities and investments This member stands for information pertaining to Genie Japan. Additional Costs Included in Cost of Revenue The amount of additional costs recognized and which is included in cost of revenue. Additional costs included in cost of revenue Schedule of Cash and Cash Equivalents [Table] Cash and Cash Equivalents [Line Items] Cash Classified as Held for Sale The amount of cash associated with classified as held for sale. Cash classified as held for sale Capitalized Contract Cost [Table] Selling and Marketing Expense [Member] Capitalized Contract Cost [Line Items] Capitalized Contract Cost, Amortization Period Capitalized Contract Cost, Net Capitalized Contract Cost, Amortization Capitalized customer acquisition costs, amortization period Customer acquisition costs Amortization of capitalized customer acquisition cost Revenue Recognition Plan Name [Axis] Plan Name [Domain] Aggregate amount of shares repurchased 2021 Plan Business combination consideration transferred other option cancellation payment amount. Stock Option and Incentive Plan 2021 [Member] Stock Issued During Period Shares Deferred Stock Units, Granted Deferred stock units granted The number of stock issued during period for share based compensation arrangement as deferred stock units granted. Maximum number of shares reserved for the grant of awards Business Combination Consideration Transferred Other Option Cancellation Payment Amount Share-based Payment Arrangement, Expense, after Tax Recognized compensation cost Common Stock, Capital Shares Reserved for Future Issuance This member stands for information pertaining to Stock Option and Incentive Plan 2021 (the "2021 Plan"). Cumulative translation adjustments Assets and Liabilities Held for Sale Assets and Liabilities Held for Sale Disclosure of Assets and Liabilities Classified as Held for Sale [Text Block] Disposal Group Classification [Axis] Disposal Group Classification [Domain] Disposal Group, Held-for-sale, Not Discontinued Operations [Member] Business combination consideration transferred other option exercise price. Business combination consideration transferred other option membership interest percentage. Current Trade Accounts Receivable Classified as Held for Sale Trade accounts receivable The amount of current trade accounts receivable associated with classified as held for sale. Assets and Liabilities Held for Sale Current Prepaid and Other Current Assets Classified as Held for Sale Prepaid and other current assets The amount of current prepaid and other current assets associated with classified as held for sale. Intangible Assets Current Classified as Held for Sale Intangible (license) The amount of current intangible assets associated with classified as held for sale. Assets Held-for-sale, Not Part of Disposal Group, Current, Other Assets Held-for-sale, Not Part of Disposal Group, Current Current Accounts Payable Classified as Held for Sale Accounts payable Accrued expenses and other current liabilities Loan outstanding under the loan agreement Short-term Debt, Maximum Amount Outstanding During Period Notes Payable to Bank Debt Instrument, Frequency of Periodic Payment Debt Instrument, Term Debt Instrument, Annual Principal Payment Line of Credit Facility, Maximum Amount Outstanding During Period Outstanding balance of loan included in liabilities held for sale Outstanding balance of notes payable Notes payable, frequency of periodic payment Period of notes payable Fixed interest of outstanding principal amount of notes payable Payment of the remaining principal amount of notes payable Disposal Group Name [Axis] Disposal Group Name [Domain] This member stands for information pertaining to Rafael Holdings, Inc. Rafael Holdings Inc [Member] Atid 613 [Member] This member stands for information pertaining to Atid 613. Atid 613 [Member] Class of Warrant or Right, Date from which Warrants or Rights Exercisable Carrying value of investments in the common stock Warrants expiry date Unrealized Gain (Loss) on Investments Investments IGM Brokerage Corp. [Member] This member stands for information pertaining to IGM Brokerage Corp. ("IGM"). Business Combination Consideration Transferred Other Option Exercise Price Outstanding balance of Credit Facility State of Connecticut Public Utilities Regulatory Authority [Member] Purchase membership percentage State of Connecticut Public Utilities Regulatory Authority [Member] Office of Attorney General of State of Illinois [Member] Office of the Attorney General of the State of Illinois [Member] This member stands for information pertaining to Office of the Attorney General of the State of Illinois ("IL AG"). State of Maine Public Utility Commission [Member] State of Maine Public Utility Commission [Member] This member stands for information pertaining to State of Maine Public Utility Commission ("MPUC"). This member stands for information pertaining to Shell Exclusive Supply Contract with Shoreditch. Shell Exclusive Supply Contract with Shoreditch [Member] Shell Exclusive Supply Contract with Shoreditch [Member] Litigation Case [Axis] Litigation Case [Domain] Town Square [Member] Town Square [Member] This member stands for information pertaining to Town Square. Residents Energy [Member] Residents Energy [Member] This member stands for information pertaining to Residents Energy. This member stands for information pertaining to settlement agreement. Settlement Agreement [Member] Business Combination Consideration Transferred Other Option Membership Interest Percentage Loss Contingency Accrual Loss Contingency Penalty Period for Marketing Activities The penalty period for door-to-door marketing activities in loss contingency. Loss Contingency, Penalty period for marketing activities Loss Contingency Penalty Period for Suspension of License Date when the business acquisition agreement was exercisable, in CCYY-MM-DD format. Loss Contingency, Penalty period for suspension of license The penalty period for suspension of license in loss contingency. Long Term Purchase Commitment, Maximum Amount The maximum amount the entity agreed to spend under the long-term purchase commitment. Long-term purchase commitment, Maximum amount Area of Land Long-term Purchase Commitment, Period Derivative, Basis Spread on Variable Rate Underlying, Derivative Liability Accrued payables for customer complaints Area of land Additional period of extended payment facilities Basis spread on variable rate for extended payment facilities Additional charges per therm Electricity [Member] Future purchase commitments Other current assets of discontinued operations Disposal Group, Including Discontinued Operation, Assets, Noncurrent Noncurrent liabilities of discontinued operations Disposal Group, Including Discontinued Operation, Liabilities, Noncurrent Business Combination Consideration Transferred Other Option Exercisable Date Fair Values Derivatives, Balance Sheet Location, by Derivative Contract Type [Table] Current assets of discontinued operations Noncurrent assets of discontinued operations Current liabilities of discontinued operations Net cash (used in) provided by financing activities Net cash used in operating activities Net income from discontinued operations, net of taxes Net Cash Provided by (Used in) Discontinued Operations Schedule of supplemental cash flow information Balance of assets and liabilities measured at fair value on a recurring basis Limited Liability Company (LLC) or Limited Partnership (LP), Business Combination Accounting Treatment Schedule of operating lease expense Schedule of Cash Flow, Supplemental Disclosures [Table Text Block] Lease, Cost [Table Text Block] Variable Interest Entity Lessee, Operating Lease, Liability, Maturity [Table Text Block] Leases Earnings Per Share, Diluted Net income (loss) attributable to Genie Energy Ltd. common stockholders Interest Rate Net income (loss) attributable to Genie Energy Ltd. common stockholders Continuing operations Net Income (Loss) Available to Common Stockholders, Basic [Abstract] Basic: Continuing operations Continuing operations Weighted Average Number of Shares Outstanding, Diluted [Abstract] Weighted-average number of shares used in calculation of earnings per share: Discontinued operations Income (Loss) from Continuing Operations, Per Diluted Share Discontinued operations Income (Loss) from Continuing Operations, Per Basic Share Earnings Per Share, Basic [Abstract] Earnings (loss) per share attributable to Genie Energy Ltd. common stockholders: Discontinued operations Income (Loss) from Continuing Operations, Net of Tax, Attributable to Parent Income Amounts Attributable to Parent, Disclosures [Abstract] Income from discontinued operations, net of taxes Net income from discontinued operations, net of taxes Restricted common stock purchased from employees. The amount of restricted class B common stock purchased from employees. Restricted Class B common stock purchased from employees Net cash provided by operating activities of continuing operations Net Cash Provided by (Used in) Operating Activities, Continuing Operations Net cash provided by operating activities of discontinued operations Divestiture of Majority Interest in Atid Drilling Ltd. Assets and Liabilities (Textual) Divestiture Of Majority Interest In Atid Drilling Ltd Assets And Liabilities Textual [Abstract] Net cash used in discontinued operations Other current assets Other Assets. United Kingdom Operations [Member] Reported tax rate the amount of other expense reported by an equity method investment of the entity. Effective Income Tax Rate Reconciliation, Percent Discontinued Operations [Member] Net loss before taxes Income before income taxes Discontinued Operation, Tax Effect of Discontinued Operation Revenues Disposal Group, Including Discontinued Operation, Costs of Goods Sold Disposal Group, Including Discontinued Operation, Gross Profit (Loss) Disposal Group, Including Discontinued Operation, Revenue Cost of revenues Gross profit Selling, general and administrative expenses Amount of non-cash items attributable to disposal group, including, but not limited to, discontinued operation. Non-cash items Equity Method Investment Summarized Financial Information Income Loss From Operations Equity method investment summarized financial information income loss from operations. Discontinued Operations Non Cash Items Changes in assets and liabilities Amount of changes in assets and liabilities attributable to disposal group, including, but not limited to,

discontinued operation. Changes in assets and liabilities Cash Provided by (Used in) Operating Activities, Discontinued Operations Cash flows provided by operating activities of discontinued operations Disposal Group, Including Discontinued Operation, Cash and Cash Equivalents Cash Disposal Group, Including Discontinued Operation, Intangible Assets, Current Intangible (license) Disposal Group, Including Discontinued Operation, Other Assets, Noncurrent Other noncurrent assets Accounts payables Disposal Group, Including Discontinued Operation, Accounts Payable, Current Cumulative translation adjustment Amount of Noncontrolling interest attributable to disposal group, including, but not limited to, discontinued operation. Noncontrolling interest Discontinued Operations Noncontrolling Interest Disposal Group, Including Discontinued Operation, Assets Trade accounts receivable Prepaid and other current assets Income taxes payable Disposal Group, Including Discontinued Operation, Other Liabilities Net assets Company Deposite Company deposite The amount of company deposite. Capital Expenditure, Discontinued Operations Investment Company, Expense Limitation Agreement, Description Contract Termination Claims, Description Significan Losses Significant losses The amount of significant losses. Fair Value, Net Asset (Liability) Gain (Loss) on Sale of Interest in Projects Cash Consideration Other assets Earnings Per Share Cash consideration The amount of cash consideration. The amount of commission paid. Commission paid Commission Paid Extinguishment of Debt, Gain (Loss), Net of Tax Company contribution Percentage of ownership Company Investment Description Equity Method Investment Summarized Financial Information Selling General And Administrative Expenses Selling, general and administrative Selling, general and administrative expenses Contract Termination Claims, Description Net realized values Company agreed interest Recognized pre-tax gain Dividends [Domain] Dividend Paid [Member] Cash dividend paid Preferred Stock, Liquidation Preference, Value Percentage Of Vested Interest The percenatge of vested interest. Percenatge of vested interest Equity in the net loss Stock-based compensation Amount of equity method investment summarized financial information selling general and administrative expenses. It represent deferred stock units granted represent obligation percentage of equity. Preferred stock dividend redeemable Redeemable Preferred Stock Dividends Revenue from Rights Concentration Risk [Member] Income Tax Reconciliation Change In Deferred Tax Assets Valuation Allowance [Member] The member represent ohayon loan debt instrument. Ohayon Loan [Member] Natan Ohayon [Member] Equity in the net (income) loss in equity method investees Provision for income taxes Payments for Repurchase of Other Equity Preferred stock, $0.01 par value; authorized sharesâ€”10,000: Series 2012-A, designated sharesâ€”8,750; at liquidation preference, consisting of 0 shares issued and outstanding at June 30, 2024 and December 31, 2023 Repurchases of Class B common stock from employees Equity: Less: Cash of discontinued operations at end of period Income before income taxes Assets, Pledging Purpose Enumerations Recognized gains on investment Investment Owned, Balance, Shares Number of outstanding shares of subsidiary held by reporting entity Accrued Expenses and Other Current Liabilities Redemption of preferred stock, shares Cover [Abstract] Other Investments [Member] Less: Cash held at of discontinued operations at end of period Disposal Group, Including Discontinued Operation, Cash Document Information [Line Items] Effect of Exchange Rate on Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Including Disposal Group and Discontinued Operations Document Information [Table] Customer C [Member] Disposal Group, Including Discontinued Operation, Deferred Tax Liabilities Liabilities Deferred tax liabilities Impairment of assets Net investments Administrator paid Dividends paid Payments of Ordinary Dividends, Common Stock First quarter of 2026 Settlement Dates Fourteen [Member] Second quarter of 2026 Settlement Dates Fifteen [Member] Effect of exchange rate changes on cash, cash equivalents, and restricted cash Settlement Dates Sixteen [Member] Third quarter of 2026 Number of subsidiary shares acquired Number of subsidiary shares acquired Gross aggregate amount Sale Leaseback Transaction, Net Book Value Net book value of the instruments sold Net liabilities Revenues Notes receivables Future Purchase Commitments Future purchase commitments GRE International [Member] Depreciation and amortization Stock-based compensation included in selling, general and administrative expenses Amount of expense for award under share-based payment arrangement. Exclude amount capitalized. Lumo Finland [Member] Receivables from the settlement of derivative contractâ€”current Share-Based Payment Arrangement, Expenses Amount of the recorded obligation to transfer funds in the future for fixed or minimum amounts or quantities of goods or services. Noncurrent liabilities of discontinued operations Current liabilities of discontinued operations Redemption of preferred stock Receivables from the settlement of derivative contractâ€”noncurrent Minority interest percentage Current assets of discontinued operations Noncurrent assets of discontinued operations Lumo Sweden [Member] Accounts payables Accrued expenses Disposal Group Including Discontinued Operation Costs of Revenues Cost of revenues Lumo Finland and Lumo Sweden [Member] Amount of costs of goods sold attributable to disposal group, including, but not limited to, discontinued operation. This member stands for the information pertaining to genie renewables. This member stands for the information pertaining to Income Tax Reconciliation Change in deferred tax assets valuation allowance. This member stands for the information pertaining to income tax reconciliation foreign income tax rate differential. This member stands for the information pertaining to prism solar technology. This member stands for the information pertaining to lumo energia oyj. This member stands for the information pertaining to genie energy international corporation. This member stands for the information pertaining to gogas. This member stands for the information pertaining to genie retail energy international. This member stands for the information pertaining to atid drilling ltd. Receivables from the settlement of the derivative contractâ€”current This member stands for the information pertaining to orbit energy. This member stands for the information pertaining to citycom solar. This member stands for the information pertaining to revenues from customers risk. This member stands for the information pertaining to gross trade accounts receivable risk. This member stands for the information pertaining to financing fees. This member stands for the information pertaining to deferred tax assets stock options and restricted stock. Amount recognized as of the acquisition date for interest. This member stands for the information pertaining to other pricing plans offered. This member stands for the information pertaining to non commercial channel. Commercial Channel [Member] This member stands for the information pertaining to other commercial channel. Receivables from the settlement of the derivative contractâ€”noncurrent Amount of current assets classified as other. Subsidiary or Equity Method Investee [Line Items] Restricted Stock, Shares Issued Net of Shares for Tax Withholdings Lumo Finland Grant [Member] Description of vested period Lumo Finland Grant [Member] Description of Vested Period Description of vested period. Proceeds from Sale of Equity Method Investments Inventory Valuation Reserves Other nonoperating income Proceeds from settlement of equity method investment Genie Solar Energy [Member] Retained earnings Stock Repurchased and Retired During Period, Shares Warrants and Rights Outstanding, Maturity Date Redemption Date Preferred Stock, Redemption Date Treasury Stock, Common, Shares This member stands for the information pertaining to Diversegy. Diversegy [Member] This member stands for the information pertaining to Genie Solar Energy ("Genie Solar"). Financial Instrument [Axis] Electricity Swap Instruments [Member] Number of Non-controlling Interest Restricted Shares Acquired Number of noncontrolling interest restricted shares acquired Number of noncontrolling Interest restricted shares acquired during the period. Incremental Common Shares Attributable To Unissued Vested Deferred Stock Units Unissued vested deferred stock units Finance Lease, Liability Finance leases Revenue Recognition Revenue from Contract with Customer [Text Block] Revenue Recognition Other Assets Other Non Current Assets Disclosure [Text Block] Other Assets The entire disclosure for other non-current assets. Schedule of Other Assets, Noncurrent [Table Text Block] Schedule of Other Assets Right-of-use assets, net of amortization Total other assets Lease liabilites O 2023 Q4 Dividends [Member] Dividend Per Share This member stands for the information pretraining to ordinary dividends paid for Q4 2023 ("O 2023 Q4, Dividends"). This member stands for the information pretraining to ordinary dividends paid for Q2 2024 ("O 2024 Q2, Dividends"). This member stands for the information pretraining to ordinary dividends paid for Q1 2024 ("O 2024 Q1, Dividends"). Amount classified as receivables from the settlement of the derivative contract current attributable to disposal group held for sale or disposed of, expected to be disposed of within one year or the normal operating cycle, if longer. Amount classified as receivables from the settlement of the derivative contract noncurrent attributable to disposal group held for sale or disposed of, expected to be disposed of within one year or the normal operating cycle, if longer. Equity Preferred Stock, Redemption Amount, Future Redeemable Securities Redemption of preferred stock, authorized amount Stock and Warrants Issued During Period, Value, Preferred Stock and Warrants Stock issued, value, warrants exercised Warrants to purchase shares outstanding Represents the number of incremental common shares attributable to unissued vested deferred stock units. Operating Lease, Liability, Noncurrent, Statement of Financial Position [Extensible Enumeration] Operating Lease, Liability, Statement of Financial Position [Extensible Enumeration] Cash, cash equivalents, and restricted cash (excluding cash held at discontinued operations) at end of period The amount of investments in contracts in which one party makes payments at a fixed or variable rate while the counterparty makes payments based on an asset, including the income and capital gains derived therefrom. Amount classified as accounts payable and other current liabilities attributable to disposal group held for sale or disposed of, expected to be disposed of within one year or the normal operating cycle, if longer. Class of warrant or right outstanding Stock Issued During Period, Shares, Issued for Services Shares repurchased for withholding tax obligations in connection to the exercise of the options Accounts payable and other current liabilities Shares paid for tax withholding for share based compensation Disposal Group, Including Discontinued Operation, Accounts Payable and Other Current Liabilities Letters of Credit Outstanding, Amount Line of Credit Facility, Unused Capacity, Commitment Fee Percentage Maximum Amount Collateral For Line Of Credit Line of Credit Facility, Commitment Fee Percentage Cash Collateral For Line Of Credit Released On Expiration Line of credit facility, amount outstanding Quarterly unused commitment fee Maximum amount of collateral under condition one Maximum amount collateral for line of credit under condition one. Percentage of fees for each letter of credit Cash collateral released Cash collateral for line of credit released on expiration. JPMorgan [Member] JPMorgan [Member] This member stands for the information Jpmorgan. Investments in total return swap Investments in Total Return Swap Solar panels, net of a valuation allowance of $nil million and $0.8 million at June 30, 2024 and December 31, 2023, respectively Provision for captive insurance liability Change In Provision For Captive Insurance Liability Provision for captive insurance liability ROU assets obtained in the exchange for lease liabilities Assets obtained in the exchange for lease liabilities. Depreciation and amortization Net (loss) income Remainder of 2024 Provision for captive insurance liability Impairment of assets Consolidation of a subsidiary Equity Method Investments The amount of restricted class B common stock purchased from related party. Class B common stock purchased from Genie Energy Charitable Foundation Restricted Common Stock Purchased From Related Party Schedule of Business Acquisitions, by Acquisition [Table Text Block] Schedule of impact of the acquisition's purchase price CashÂ andÂ other current liabilities Amount of cash and other liabilities due within one year or within the normal operating cycle, if longer, assumed at the acquisition date. Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Liabilities Property, plant and equipment Liabilities Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Assets Net assets RodedÂ RecyclingÂ Industries Ltd. [Member] This member stands for information pertaining to RodedÂ RecyclingÂ Industries Ltd. Investments in equity securities Investments Investments Schedule of Sale of Stock by Subsidiary or Equity Method Investee Disclosure [Table Text Block] Payments to Acquire Equity Method Investments Net book value Purchase Distribution Balance, end of period Equity Method Investments [Table Text Block] This member stands for information pertaining to Alternative investments restricted. Alternative investmentsâ€”restricted [Member] Alternative Investments Restricted [Member] This member stands for information pertaining to Alternative investments unrestricted. Alternative investmentsâ€”unrestricted [Member] Alternative Investments Unrestricted [Member] PRI Fuel Supply Ltd [Member] PRI Fuel Supply Ltd [Member] This member stands for information pertaining to PRI Fuel Supply Ltd.. CPP Genie Community Solar [Member] CPP Genie Community Solar [Member] This member stands for information pertaining to CPP Genie Community Solar. Marketable Securities [Line Items] Short-Term Investments Long-Term Investments Total included in other noncurrent assets Total included in other current assets Balance, beginning of period Equity Securities without Readily Determinable Fair Value, Amount Distribution Equity Method Investment, Amount Sold Balance, end of period Security Deposit Security deposit Derivative, Fair Value, Net Fair value of derivative contractsâ€”noncurrent Class B common stock purchased from Genie Energy Charitable Foundation Deconsolidation of a subsidiary The decrease in equity from deconsolidation of subsidiaries. Decrease In Equity Through Deconsolidation Of Subsidiaries Payments For Repurchase Of Common Stock From Related Party The cash outflow to reacquire common stock during the period from related party. Repurchase of Class B common stock from Genie Foundation Consolidation, Less than Wholly Owned Subsidiary, Parent Ownership Interest, Changes, Purchase of Interest by Parent O 2024 Q1 Dividends [Member] O 2024 Q2 Dividends [Member] EX-101.SCH 6 gne-20240630.xsd SCHEMA 001 - Document - Document and Entity Information link:presentationLink link:definitionLink link:calculationLink 002 - Statement - CONSOLIDATED BALANCE SHEETS (Unaudited) link:presentationLink link:definitionLink link:calculationLink 003 - Statement - CONSOLIDATED BALANCE SHEETS (Unaudited) (Parenthetical) link:presentationLink link:definitionLink link:calculationLink 004 - Statement - CONSOLIDATED STATEMENTS OF OPERATIONS (Unaudited) link:presentationLink link:definitionLink link:calculationLink 0045 - Statement - CONSOLIDATED STATEMENTS OF OPERATIONS (Unaudited) (Calc-2) link:presentationLink link:definitionLink link:calculationLink 005 - Statement - CONSOLIDATED STATEMENTS OF OPERATIONS (Unaudited) (Parenthetical) link:presentationLink link:definitionLink link:calculationLink 006 - Statement - CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (Unaudited) link:presentationLink link:definitionLink link:calculationLink 007 - Statement - CONSOLIDATED STATEMENTS OF EQUITY link:presentationLink link:definitionLink link:calculationLink 0071 - Statement - CONSOLIDATED STATEMENTS OF EQUITY (Parenthetical) link:presentationLink link:definitionLink link:calculationLink 008 - Statement - CONSOLIDATED STATEMENTS OF CASH FLOWS (Unaudited) link:presentationLink link:definitionLink link:calculationLink 009 - Disclosure - Basis of Presentation and Business Changes and Development link:presentationLink link:definitionLink link:calculationLink 010 - Disclosure - Cash, Cash Equivalents, and Restricted Cash link:presentationLink link:definitionLink link:calculationLink 011 - Disclosure - Inventories link:presentationLink link:definitionLink link:calculationLink 012 - Disclosure - Revenue Recognition link:presentationLink link:definitionLink link:calculationLink 0121 - Disclosure - Acquisitions and Discontinued Operations link:presentationLink link:definitionLink link:calculationLink 013 - Disclosure - Fair Value Measurements link:presentationLink link:definitionLink link:calculationLink 014 - Disclosure - Derivative Instruments link:presentationLink link:definitionLink link:calculationLink 015 - Disclosure - Other Assets link:presentationLink link:definitionLink link:calculationLink 016 - Disclosure - Investments link:presentationLink link:definitionLink link:calculationLink 017 - Disclosure - Goodwill and Other Intangible Assets link:presentationLink link:definitionLink link:calculationLink 018 - Disclosure - Accrued Expenses and Other Current Liabilities link:presentationLink link:definitionLink link:calculationLink 019 - Disclosure - Leases link:presentationLink link:definitionLink link:calculationLink 020 - Disclosure - Equity link:presentationLink link:definitionLink link:calculationLink 021 - Disclosure - Variable Interest Entity link:presentationLink link:definitionLink link:calculationLink 022 - Disclosure - Income Taxes link:presentationLink link:definitionLink link:calculationLink 023 - Disclosure - Earnings Per Share link:presentationLink link:definitionLink link:calculationLink 024 - Disclosure - Related Party Transactions link:presentationLink link:definitionLink link:calculationLink 025 - Disclosure - Business Segment Information link:presentationLink link:definitionLink link:calculationLink 026 - Disclosure - Commitments and Contingencies link:presentationLink link:definitionLink link:calculationLink 027 - Disclosure - Debt link:presentationLink link:definitionLink link:calculationLink 028 - Disclosure - Recently Issued Accounting Standards link:presentationLink link:definitionLink link:calculationLink 029 - Disclosure - Subsequent Event link:presentationLink link:definitionLink link:calculationLink 030 - Disclosure - Acquisition link:presentationLink link:definitionLink

link:calculationLink 031 - Disclosure - Assets and Liabilities Held for Sale link:presentationLink link:definitionLink link:calculationLink 032 - Disclosure - Acquisition of Smile Energy G.K. link:presentationLink link:definitionLink link:calculationLink 033 - Disclosure - Loan Receivable from Prism Solar Technologies, Inc. link:presentationLink link:definitionLink link:calculationLink 0331 - Disclosure - Concentrations and Associated Credit Risk link:presentationLink link:definitionLink link:calculationLink 9954471 - Disclosure - Cash, Cash Equivalents, and Restricted Cash (Tables) link:presentationLink link:definitionLink link:calculationLink 9954472 - Disclosure - Inventories (Tables) link:presentationLink link:definitionLink link:calculationLink 9954473 - Disclosure - Revenue Recognition (Tables) link:presentationLink link:definitionLink link:calculationLink 9954474 - Disclosure - Acquisitions and Discontinued Operations (Tables) link:presentationLink link:definitionLink link:calculationLink 9954475 - Disclosure - Fair Value Measurements (Tables) link:presentationLink link:definitionLink link:calculationLink 9954476 - Disclosure - Derivative Instruments (Tables) link:presentationLink link:definitionLink link:calculationLink 9954477 - Disclosure - Other Assets (Tables) link:presentationLink link:definitionLink link:calculationLink 99544771 - Disclosure - Investments (Tables) link:presentationLink link:definitionLink link:calculationLink 9954478 - Disclosure - Goodwill and Other Intangible Assets (Tables) link:presentationLink link:definitionLink link:calculationLink 9954479 - Disclosure - Accrued Expenses and Other Current Liabilities (Tables) link:presentationLink link:definitionLink link:calculationLink 9954480 - Disclosure - Leases (Tables) link:presentationLink link:definitionLink link:calculationLink 9954481 - Disclosure - Equity (Tables) link:presentationLink link:definitionLink link:calculationLink 9954482 - Disclosure - Variable Interest Entity (Tables) link:presentationLink link:definitionLink link:calculationLink 9954483 - Disclosure - Income Taxes (Tables) link:presentationLink link:definitionLink link:calculationLink 9954484 - Disclosure - Earnings Per Share (Tables) link:presentationLink link:definitionLink link:calculationLink 9954485 - Disclosure - Related Party Transactions (Tables) link:presentationLink link:definitionLink link:calculationLink 9954486 - Disclosure - Business Segment Information (Tables) link:presentationLink link:definitionLink link:calculationLink 9954487 - Disclosure - Commitments and Contingencies (Tables) link:presentationLink link:definitionLink link:calculationLink 9954488 - Disclosure - Basis of Presentation and Business Changes and Development (Details) link:presentationLink link:definitionLink link:calculationLink 9954489 - Disclosure - Cash, Cash Equivalents, and Restricted Cash (Details) link:presentationLink link:definitionLink link:calculationLink 9954490 - Disclosure - Cash, Cash Equivalents, and Restricted Cash (Details Textual) link:presentationLink link:definitionLink link:calculationLink 9954491 - Disclosure - Inventories (Details) link:presentationLink link:definitionLink link:calculationLink 99544911 - Disclosure - Inventories (Details Textual) link:presentationLink link:definitionLink link:calculationLink 9954492 - Disclosure - Revenue Recognition (Details) link:presentationLink link:definitionLink link:calculationLink 9954493 - Disclosure - Revenue Recognition (Details 1) link:presentationLink link:definitionLink link:calculationLink 9954494 - Disclosure - Revenue Recognition (Details 2) link:presentationLink link:definitionLink link:calculationLink 99544941 - Disclosure - Revenue Recognition (Details 3) link:presentationLink link:definitionLink link:calculationLink 9954495 - Disclosure - Revenue Recognition (Details Textual) link:presentationLink link:definitionLink link:calculationLink 9954496 - Disclosure - Acquisitions and Discontinued Operations (Details) link:presentationLink link:definitionLink link:calculationLink 9954497 - Disclosure - Acquisitions and Discontinued Operations (Details 1) link:presentationLink link:definitionLink link:calculationLink 9954498 - Disclosure - Acquisitions and Discontinued Operations (Details 2) link:presentationLink link:definitionLink link:calculationLink 9954499 - Disclosure - Acquisitions and Discontinued Operations (Details 3) link:presentationLink link:definitionLink link:calculationLink 99544991 - Disclosure - Acquisitions and Discontinued Operations (Details Textual) link:presentationLink link:definitionLink link:calculationLink 9954500 - Disclosure - Fair Value Measurements (Details) link:presentationLink link:definitionLink link:calculationLink 9954501 - Disclosure - Fair Value Measurements (Details 1) link:presentationLink link:definitionLink link:calculationLink 9954502 - Disclosure - Fair Value Measurements (Details 2) link:presentationLink link:definitionLink link:calculationLink 9954503 - Disclosure - Fair Value Measurements (Details Textual) link:presentationLink link:definitionLink link:calculationLink 9954504 - Disclosure - Derivative Instruments (Details) link:presentationLink link:definitionLink link:calculationLink 9954505 - Disclosure - Derivative Instruments (Details 1) link:presentationLink link:definitionLink link:calculationLink 9954506 - Disclosure - Derivative Instruments (Details 2) link:presentationLink link:definitionLink link:calculationLink 9954507 - Disclosure - Other Assets (Details 1) link:presentationLink link:definitionLink link:calculationLink 99545071 - Disclosure - Investments (Details) link:presentationLink link:definitionLink link:calculationLink 99545072 - Disclosure - Investments (Details 1) link:presentationLink link:definitionLink link:calculationLink 9954508 - Disclosure - Goodwill and Other Intangible Assets (Details) link:presentationLink link:definitionLink link:calculationLink 9954509 - Disclosure - Goodwill and Other Intangible Assets (Details 1) link:presentationLink link:definitionLink link:calculationLink 9954510 - Disclosure - Goodwill and Other Intangible Assets (Details Textual) link:presentationLink link:definitionLink link:calculationLink 9954511 - Disclosure - Accrued Expenses and Other Current Liabilities - Schedule of accrued expenses (Details) link:presentationLink link:definitionLink link:calculationLink 9954512 - Disclosure - Accrued Expenses and Other Current Liabilities - Schedule of accrued expenses (Details 1) link:presentationLink link:definitionLink link:calculationLink 9954513 - Disclosure - Leases (Details) link:presentationLink link:definitionLink link:calculationLink 9954514 - Disclosure - Leases (Details 1) link:presentationLink link:definitionLink link:calculationLink 9954515 - Disclosure - Leases (Details 2) link:presentationLink link:definitionLink link:calculationLink 9954516 - Disclosure - Leases (Details 2) (Calc 2) link:presentationLink link:definitionLink link:calculationLink 9954517 - Disclosure - Leases (Details Textual) link:presentationLink link:definitionLink link:calculationLink 9954518 - Disclosure - Equity (Details) link:presentationLink link:definitionLink link:calculationLink 9954519 - Disclosure - Equity (Details Textual) link:presentationLink link:definitionLink link:calculationLink 9954520 - Disclosure - Variable Interest Entity (Details) link:presentationLink link:definitionLink link:calculationLink 9954521 - Disclosure - Variable Interest Entity (Details 1) link:presentationLink link:definitionLink link:calculationLink 9954522 - Disclosure - Variable Interest Entity (Details Textual) link:presentationLink link:definitionLink link:calculationLink 9954523 - Disclosure - Income Taxes (Details) link:presentationLink link:definitionLink link:calculationLink 9954524 - Disclosure - Earnings Per Share (Details) link:presentationLink link:definitionLink link:calculationLink 9954525 - Disclosure - Earnings Per Share (Details 1) link:presentationLink link:definitionLink link:calculationLink 9954526 - Disclosure - Earnings Per Share (Details Textual) link:presentationLink link:definitionLink link:calculationLink 9954527 - Disclosure - Related Party Transactions (Details) link:presentationLink link:definitionLink link:calculationLink 9954528 - Disclosure - Related Party Transactions (Details 1) link:presentationLink link:definitionLink link:calculationLink 9954529 - Disclosure - Related Party Transactions (Details Textual) link:presentationLink link:definitionLink link:calculationLink 9954530 - Disclosure - Business Segment Information (Details) link:presentationLink link:definitionLink link:calculationLink 9954531 - Disclosure - Business Segment Information (Details 1) link:presentationLink link:definitionLink link:calculationLink 9954532 - Disclosure - Business Segment Information (Details Textual) link:presentationLink link:definitionLink link:calculationLink 9954533 - Disclosure - Commitments and Contingencies (Details) link:presentationLink link:definitionLink link:calculationLink 99545333 - Disclosure - Commitments and Contingencies (Details 1) link:presentationLink link:definitionLink link:calculationLink 995453331 - Disclosure - Commitments and Contingencies - Schedule of change in the current and noncurrent captive insurance liabilities (Details 1) link:presentationLink link:definitionLink link:calculationLink 9954534 - Disclosure - Commitments and Contingencies (Details Textual) link:presentationLink link:definitionLink link:calculationLink 9954535 - Disclosure - Debt (Details) link:presentationLink link:definitionLink link:calculationLink 99545368016 - Disclosure - Subsequent Event (Details) link:presentationLink link:definitionLink link:calculationLink 9954537 - Disclosure - Recently Issued Accounting Standards (Details) link:presentationLink link:definitionLink link:calculationLink 99545388000 - Disclosure - Assets and Liabilities Held for Sale (Detail) link:presentationLink link:definitionLink link:calculationLink 99545388001 - Disclosure - Assets and Liabilities Held for Sale (Details Textual) link:presentationLink link:definitionLink link:calculationLink 99545388002 - Disclosure - Investment in Equity Method Investees (Details) link:presentationLink link:definitionLink link:calculationLink 99545388003 - Disclosure - Investment in Equity Method Investees (Details 1) link:presentationLink link:definitionLink link:calculationLink 99545388004 - Disclosure - Investment in Equity Method Investees (Details Textual) link:presentationLink link:definitionLink link:calculationLink 99545388005 - Disclosure - Acquisition (Details) link:presentationLink link:definitionLink link:calculationLink 99545388006 - Disclosure - Acquisition (Details 1) link:presentationLink link:definitionLink link:calculationLink 99545388007 - Disclosure - Acquisitions (Details 2) link:presentationLink link:definitionLink link:calculationLink 99545388008 - Disclosure - Acquisition (Details Textual) link:presentationLink link:definitionLink link:calculationLink 99545388009 - Disclosure - Divestiture of Majority Interest in Atid Drilling Ltd. (Details) link:presentationLink link:definitionLink link:calculationLink 99545388010 - Disclosure - Divestiture of Majority Interest in Atid Drilling Ltd. (Details Textual) link:presentationLink link:definitionLink link:calculationLink 99545388011 - Disclosure - Acquisition of Smile Energy G.K. (Details) link:presentationLink link:definitionLink link:calculationLink 99545388012 - Disclosure - Loan Receivable from Prism Solar Technologies, Inc. (Details) link:presentationLink link:definitionLink link:calculationLink 99545388013 - Disclosure - Discontinued Operations (Details 3) link:presentationLink link:definitionLink link:calculationLink 99545388014 - Disclosure - Discontinued Operations (Details 4) link:presentationLink link:definitionLink link:calculationLink 99545388015 - Disclosure - Discontinued Operations (Details 5) link:presentationLink link:definitionLink link:calculationLink EX-31.1 7 ex311_1.htm EXHIBIT 31.1 Exhibit 31.1 Â CERTIFICATION OF CHIEF EXECUTIVE OFFICER PURSUANT TO EXCHANGE ACT RULE 13a-14(a)/15d-14(a)AS ADOPTED PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002 Â I, Michael M. Stein, certify that: Â 1. I have reviewed this Quarterly Report on Form 10-Q of Genie Energy Ltd.; Â 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report; Â 3. Based on my knowledge, the financial statements, and other financial information included in this Report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report; Â 4. The registrantâ€™s other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have: Â (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared; Â (b) Designed such internal control over 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; Â (c) Evaluated the effectiveness of the registrantâ€™s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and Â (d) Disclosed in this report any change in the registrantâ€™s internal control over financial reporting that occurred during the registrantâ€™s most recent fiscal quarter (the registrantâ€™s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrantâ€™s internal control over financial reporting; and Â 5. The registrantâ€™s other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrantâ€™s auditors and the audit committee of the registrantâ€™s board of directors (or persons performing the equivalent functions): Â (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrantâ€™s ability to record, process, summarize and report financial information; and Â (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrantâ€™s internal control over financial reporting. Â Date: August 8, 2024 Â Â /s/ Michael M. Stein Â Michael M. Stein Â Chief Executive Officer EX-31.2 8 ex312_2.htm EXHIBIT 31.2 Exhibit 31.2 Â CERTIFICATION OF CHIEF FINANCIAL OFFICERPURSUANT TO EXCHANGE ACT RULE 13a-14(a)/15d-14(a)AS ADOPTED PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002 Â I, Avi Goldin, certify that: Â 1. I have reviewed this Quarterly Report on Form 10-Q of Genie Energy Ltd.; Â 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report; Â 3. Based on my knowledge, the financial statements, and other financial information included in this Report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report; Â 4. The registrantâ€™s other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have: Â (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared; Â (b) Designed such internal control over 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; Â (c) Evaluated the effectiveness of the registrantâ€™s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and Â (d) Disclosed in this report any change in the registrantâ€™s internal control over financial reporting that occurred during the registrantâ€™s most recent fiscal quarter (the registrantâ€™s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrantâ€™s internal control over financial reporting; and Â 5. The registrantâ€™s other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrantâ€™s auditors and the audit committee of the registrantâ€™s board of directors (or persons performing the equivalent functions): Â (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrantâ€™s ability to record, process, summarize and report financial information; and Â (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrantâ€™s internal control over financial reporting. Â Date: August 8, 2024 Â Â /s/ Avi GoldinÂ Â Avi Goldin Â Chief Financial Officer EX-32.1 9 ex321_3.htm EXHIBIT 32.1 Exhibit 32.1 Â Certification Pursuant to18 U.S.C. SectionÂ 1350(as Adopted Pursuant to SectionÂ 906 ofthe Sarbanes-Oxley Act Of 2002) Â In connection with the Quarterly Report of Genie Energy Ltd. (the â€œCompanyâ€) on Form 10-Q for the quarter ended June 30, 2024 as filed with the Securities and Exchange Commission (the â€œReportâ€), I, Michael M. Stein, Chief Executive Officer of the Company, certify, pursuant to 18 U.S.C. Â§ 1350, as adopted pursuant to SectionÂ 906 of the Sarbanes-Oxley Act of 2002, that to my knowledge: Â 1. The Report fully complies with the requirements of SectionÂ 13(a) or 15(d) of the Securities Exchange Act of 1934; and Â 2. The information contained in the Report fairly presents, in all material respects, the financial condition and

results of operations of the Company. Â Date: August 8, 2024 Â Â /s/ Michael M. Stein Â Michael M. Stein Â Chief Executive Officer Â A signed original of this written statement required by SectionÂ 906, or other document authenticating, acknowledging, or otherwise adopting the signature that appears in typed form within the electronic version of this written statement required by SectionÂ 906, has been provided to Genie Energy Ltd. and will be retained by Genie Energy Ltd. and furnished to the Securities and Exchange Commission or its staff upon request. EX-32.2 10 ex322_4.htm EXHIBIT 32.2 Exhibit 32.2 Â Certification Pursuant to18 U.S.C. SectionÂ 1350(as Adopted Pursuant to SectionÂ 906 ofthe Sarbanes-Oxley Act Of 2002) Â In connection with the Quarterly Report of Genie Energy Ltd. (the â€œCompanyâ€) on Form 10-Q for the quarter ended June 30, 2024 as filed with the Securities and Exchange Commission (the â€œReportâ€), I, Avi Goldin, Chief Financial Officer of the Company, certify, pursuant to 18 U.S.C. Â§ 1350, as adopted pursuant to SectionÂ 906 of the Sarbanes-Oxley Act of 2002, that to my knowledge: Â 1. The Report fully complies with the requirements of SectionÂ 13(a) or 15(d) of the Securities Exchange Act of 1934; and Â 2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company. Â Date: August 8, 2024 Â Â /s/ Avi Goldin Â Avi Goldin Â Chief Financial Officer Â A signed original of this written statement required by SectionÂ 906, or other document authenticating, acknowledging, or otherwise adopting the signature that appears in typed form within the electronic version of this written statement required by SectionÂ 906, has been provided to Genie Energy Ltd. and will be retained by Genie Energy Ltd. and furnished to the Securities and Exchange Commission or its staff upon request. XML 12 R1.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Document and Entity Information - shares 6 Months Ended Jun. 30, 2024 Aug. 07, 2024 Document Information [Line Items] Â Â Entity Registrant Name Genie Energy Ltd. Â Entity Central Index Key 0001528356 Â Document Type 10-Q Â Document Period End Date Jun. 30, 2024 Â Amendment Flag false Â Current Fiscal Year End Date --12-31 Â Entity Shell Company false Â Document Fiscal Period Focus Q2 Â Entity Current Reporting Status Yes Â Entity Filer Category Accelerated Filer Â Entity Small Business false Â Document Fiscal Year Focus 2024 Â Entity Emerging Growth Company false Â Entity File Number 1-35327 Â Entity Tax Identification Number 45-2069276 Â Entity Interactive Data Current Yes Â Entity Incorporation, State or Country Code DE Â Trading Symbol GNE Â Title of 12(b) Security Class B common stock, par value $0.01 per share Â Security Exchange Name NYSE Â Document Quarterly Report true Â Document Transition Report false Â Entity Address, Address Line One 520 Broad Street Â Entity Address, City or Town Newark Â Entity Address, State or Province NJ Â Entity Address, Postal Zip Code 07102 Â City Area Code 973 Â Local Phone Number 438-3500 Â Class A Common Stock Â Â Document Information [Line Items] Â Â Entity Common Stock, Shares Outstanding Â 1,574,326 Class B Common Stock Â Â Document Information [Line Items] Â Â Entity Common Stock, Shares Outstanding Â 25,318,782 X - DefinitionBoolean flag that is true when the XBRL content amends previously-filed or accepted submission. + ReferencesNo definition available. + Details Name: dei_AmendmentFlag Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionArea code of city + ReferencesNo definition available. + Details Name: dei_CityAreaCode Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionEnd date of current fiscal year in the format --MM-DD. + ReferencesNo definition available. + Details Name: dei_CurrentFiscalYearEndDate Namespace Prefix: dei_ Data Type: xbrli:gMonthDayItemType Balance Type: na Period Type: duration X - DefinitionFiscal period values are FY, Q1, Q2, and Q3. 1st, 2nd and 3rd quarter 10-Q or 10-QT statements have value Q1, Q2, and Q3 respectively, with 10-K, 10-KT or other fiscal year statements having FY. + ReferencesNo definition available. + Details Name: dei_DocumentFiscalPeriodFocus Namespace Prefix: dei_ Data Type: dei:fiscalPeriodItemType Balance Type: na Period Type: duration X - DefinitionThis is focus fiscal year of the document report in YYYY format. For a 2006 annual report, which may also provide financial information from prior periods, fiscal 2006 should be given as the fiscal year focus. Example: 2006. + ReferencesNo definition available. + Details Name: dei_DocumentFiscalYearFocus Namespace Prefix: dei_ Data Type: xbrli:gYearItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: dei_DocumentInformationLineItems Namespace Prefix: dei_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionFor the EDGAR submission types of Form 8-K: the date of the report, the date of the earliest event reported; for the EDGAR submission types of Form N-1A: the filing date; for all other submission types: the end of the reporting or transition period. The format of the date is YYYY-MM-DD. + ReferencesNo definition available. + Details Name: dei_DocumentPeriodEndDate Namespace Prefix: dei_ Data Type: xbrli:dateItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true only for a form used as an quarterly report. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 10-Q -Number 240 -Section 308 -Subsection a + Details Name: dei_DocumentQuarterlyReport Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true only for a form used as a transition report. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Forms 10-K, 10-Q, 20-F -Number 240 -Section 13 -Subsection a-1 + Details Name: dei_DocumentTransitionReport Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionThe type of document being provided (such as 10-K, 10-Q, 485BPOS, etc). The document type is limited to the same value as the supporting SEC submission type, or the word 'Other'. + ReferencesNo definition available. + Details Name: dei_DocumentType Namespace Prefix: dei_ Data Type: dei:submissionTypeItemType Balance Type: na Period Type: duration X - DefinitionAddress Line 1 such as Attn, Building Name, Street Name + ReferencesNo definition available. + Details Name: dei_EntityAddressAddressLine1 Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionName of the City or Town + ReferencesNo definition available. + Details Name: dei_EntityAddressCityOrTown Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionCode for the postal or zip code + ReferencesNo definition available. + Details Name: dei_EntityAddressPostalZipCode Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionName of the state or province. + ReferencesNo definition available. + Details Name: dei_EntityAddressStateOrProvince Namespace Prefix: dei_ Data Type: dei:stateOrProvinceItemType Balance Type: na Period Type: duration X - DefinitionA unique 10-digit SEC-issued value to identify entities that have filed disclosures with the SEC. It is commonly abbreviated as CIK. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityCentralIndexKey Namespace Prefix: dei_ Data Type: dei:centralIndexKeyItemType Balance Type: na Period Type: duration X - DefinitionIndicate number of shares or other units outstanding of each of registrant's classes of capital or common stock or other ownership interests, if and as stated on cover of related periodic report. Where multiple classes or units exist define each class/interest by adding class of stock items such as Common Class A [Member], Common Class B [Member] or Partnership Interest [Member] onto the Instrument [Domain] of the Entity Listings, Instrument. + ReferencesNo definition available. + Details Name: dei_EntityCommonStockSharesOutstanding Namespace Prefix: dei_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionIndicate 'Yes' or 'No' whether registrants (1) have filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that registrants were required to file such reports), and (2) have been subject to such filing requirements for the past 90 days. This information should be based on the registrant's current or most recent filing containing the related disclosure. + ReferencesNo definition available. + Details Name: dei_EntityCurrentReportingStatus Namespace Prefix: dei_ Data Type: dei:yesNoItemType Balance Type: na Period Type: duration X - DefinitionIndicate if registrant meets the emerging growth company criteria. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityEmergingGrowthCompany Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionCommission file number. The field allows up to 17 characters. The prefix may contain 1-3 digits, the sequence number may contain 1-8 digits, the optional suffix may contain 1-4 characters, and the fields are separated with a hyphen. + ReferencesNo definition available. + Details Name: dei_EntityFileNumber Namespace Prefix: dei_ Data Type: dei:fileNumberItemType Balance Type: na Period Type: duration X - DefinitionIndicate whether the registrant is one of the following: Large Accelerated Filer, Accelerated Filer, Non-accelerated Filer. Definitions of these categories are stated in Rule 12b-2 of the Exchange Act. This information should be based on the registrant's current or most recent filing containing the related disclosure. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityFilerCategory Namespace Prefix: dei_ Data Type: dei:filerCategoryItemType Balance Type: na Period Type: duration X - DefinitionTwo-character EDGAR code representing the state or country of incorporation. + ReferencesNo definition available. + Details Name: dei_EntityIncorporationStateCountryCode Namespace Prefix: dei_ Data Type: dei:edgarStateCountryItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true when the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-T -Number 232 -Section 405 + Details Name: dei_EntityInteractiveDataCurrent Namespace Prefix: dei_ Data Type: dei:yesNoItemType Balance Type: na Period Type: duration X - DefinitionThe exact name of the entity filing the report as specified in its charter, which is required by forms filed with the SEC. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityRegistrantName Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true when the registrant is a shell company as defined in Rule 12b-2 of the Exchange Act. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityShellCompany Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionIndicates that the company is a Smaller Reporting Company (SRC). + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntitySmallBusiness Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionThe Tax Identification Number (TIN), also known as an Employer Identification Number (EIN), is a unique 9-digit value assigned by the IRS. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityTaxIdentificationNumber Namespace Prefix: dei_ Data Type: dei:employerIdItemType Balance Type: na Period Type: duration X - DefinitionLocal phone number for entity. + ReferencesNo definition available. + Details Name: dei_LocalPhoneNumber Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionTitle of a 12(b) registered security. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b + Details Name: dei_Security12bTitle Namespace Prefix: dei_ Data Type: dei:securityTitleItemType Balance Type: na Period Type: duration X - DefinitionName of the Exchange on which a security is registered. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection d1-1 + Details Name: dei_SecurityExchangeName Namespace Prefix: dei_ Data Type: dei:edgarExchangeCodeItemType Balance Type: na Period Type: duration X - DefinitionTrading symbol of an instrument as listed on an exchange. + ReferencesNo definition available. + Details Name: dei_TradingSymbol Namespace Prefix: dei_ Data Type: dei:tradingSymbolItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_StatementClassOfStockAxis=us-gaap_CommonClassAMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementClassOfStockAxis=us-gaap_CommonClassBMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 13 R2.htm IDEA: XBRL DOCUMENT v3.24.2.u1 CONSOLIDATED BALANCE SHEETS (Unaudited) - USD ($) $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Current assets: Â Â Cash and cash equivalents $ 122,342 $ 107,609 Restricted cashâ€”short-term 9,178 10,442 Marketable equity securities 344 396 Trade accounts receivable, net of allowance for doubtful accounts of $7,349 and $6,574 at June 30, 2024 and December 31, 2023, respectively 54,228 61,909 Inventory 5,637 14,598 Prepaid expenses 11,743 16,222 Other current assets 5,576 5,475 Current assets of discontinued operations 7,080 13,182 Total current assets 216,128 229,833 Restricted cashâ€”long-term 46,400 44,945 Property and equipment, net 20,234 15,192 Goodwill 12,658 9,998 Other intangibles, net 2,551 2,735 Deferred income tax assets, net 5,209 5,200 Other assets 15,308 15,247 Noncurrent assets of discontinued operations 4,295 7,405 Total assets 322,783 330,555 Current liabilities: Â Â Trade accounts payable 26,585 27,881 Accrued expenses 36,288 49,389 Income taxes payable 9,062 6,699 Current liabilities of discontinued operations 4,790 4,858 Total current liabilities 83,380 98,252 Noncurrent captive insurance liability 46,400 44,945 Other liabilities 2,771 2,212 Noncurrent liabilities of discontinued operations 678 638 Total liabilities 133,229 146,047 Commitments and contingencies Genie Energy Ltd. stockholdersâ€™ equity: Â Â Preferred stock, $0.01 par value; authorized sharesâ€”10,000: Series 2012-A, designated sharesâ€”8,750; at liquidation preference, consisting of 0 shares issued and outstanding at June 30, 2024 and December 31, 2023 Additional paid-in capital 158,007 156,101 Treasury stock, at cost, consisting of 3,468 and 2,944 shares of Class B common stock at June 30, 2024 and December 31, 2023 (31,849) (22,661) Accumulated other comprehensive income 1,836 3,299 Retained earnings 73,779 60,196 Total Genie Energy Ltd. stockholdersâ€™ equity 202,078 197,239 NoncontrollingÂ interests (12,524) (12,731) Total equity 189,554 184,508 Total liabilities and equity 322,783 330,555 Related Party [Member] Â Â Current liabilities: Â Â Other current liabilities 150 145 Nonrelated Party [Member] Â Â Current liabilities: Â Â Other current liabilities 6,505 9,280 Class A Common Stock Â Â Genie Energy Ltd. stockholdersâ€™ equity: Â Â Common stock value 16 16 Class B Common Stock Â Â Genie Energy Ltd. stockholdersâ€™ equity: Â Â Common stock value $ 289 $ 288 X - DefinitionCarrying value as of the balance sheet date of obligations incurred (and for which invoices have typically been received) and payable to vendors for goods and services received that are used in an entity's business. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 210 -SubTopic 10 -Section 45 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-8 + Details Name: us-gaap_AccountsPayableTradeCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after allowance for credit loss, of right to consideration from customer for product sold and service rendered in normal course of business, classified as current. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481990/310-10-45-2 + Details Name: us-gaap_AccountsReceivableNetCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionCarrying amount as of the balance sheet date of the unpaid sum of the known and estimated amounts payable to satisfy all currently due domestic and foreign income tax obligations. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting

Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(15)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1 + Details Name: us-gaap_AccruedIncomeTaxesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionCarrying value as of the balance sheet date of obligations incurred through that date and due beyond one year (or beyond one operating cycle if longer) to insurance entities to mitigate potential loss from various risks or to satisfy a promise to provide certain coverages to employees. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_AccruedInsuranceNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionCarrying value as of the balance sheet date of obligations incurred and payable, pertaining to costs that are statutory in nature, are incurred on contractual obligations, or accumulate over time and for which invoices have not yet been received or will not be rendered. Examples include taxes, interest, rent and utilities. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_AccruedLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after tax, of accumulated increase (decrease) in equity from transaction and other event and circumstance from nonowner source. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 220 -SubTopic 10 -Section 45 -Paragraph 14A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-14AReference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-11Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (h)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(23)(a)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 220 -SubTopic 10 -Section 45 -Paragraph 14 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-14 + Details Name: us-gaap_AccumulatedOtherComprehensiveIncomeLossNetOfTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of excess of issue price over par or stated value of stock and from other transaction involving stock or stockholder. Includes, but is not limited to, additional paid-in capital (APIC) for common and preferred stock. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_AdditionalPaidInCapital Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of asset recognized for present right to economic benefit. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 12: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 13: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(12)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 18: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 19: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 30: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(11)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1 + Details Name: us-gaap_Assets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of asset recognized for present right to economic benefit, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 6: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 10: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI 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-Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7 + Details Name: us-gaap_AssetsCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_AssetsCurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount classified as assets attributable to disposal group held for sale or disposed of, expected to be disposed of within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10 -SubTopic 20 -Topic 205 -Publisher FASB -URI

https://asc.fasb.org/1943274/2147483475/205-20-45-10Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5CReference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-9Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5BReference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-3Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-11 + Details Name: us-gaap_AssetsOfDisposalGroupIncludingDiscontinuedOperationCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4 + Details Name: us-gaap_CashAndCashEquivalentsAtCarryingValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionRepresents the caption on the face of the balance sheet to indicate that the entity has entered into (1) purchase or supply arrangements that will require expending a portion of its resources to meet the terms thereof, and (2) is exposed to potential losses or, less frequently, gains, arising from (a) possible claims against a company's resources due to future performance under contract terms, and (b) possible losses or likely gains from uncertainties that will ultimately be resolved when one or more future events that are deemed likely to occur do occur or fail to occur. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(15)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1 + Details Name: us-gaap_CommitmentsAndContingencies Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionValue of common shares held by shareholders. Excludes common shares repurchased and held as treasury shares. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1 + Details Name: us-gaap_CommonStockValueOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after allocation of valuation allowances and deferred tax liability, of deferred tax asset attributable to deductible differences and carryforwards, with jurisdictional netting. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482525/740-10-45-4Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482525/740-10-45-6 + Details Name: us-gaap_DeferredIncomeTaxAssetsNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount classified as assets attributable to disposal group held for sale or disposed of, expected to be disposed of after one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10 -SubTopic 20 -Topic 205 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-10Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 11 -SubTopic 10 -Topic 360 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-11Reference 3: 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 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5CReference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5BReference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-3Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-11 + Details Name: us-gaap_DisposalGroupIncludingDiscontinuedOperationAssetsNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount, after accumulated impairment loss, of asset representing future economic benefit arising from other asset acquired in business combination or from joint venture formation or both, that is not individually identified and separately recognized. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482548/350-20-55-24Reference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 100 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-100Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(15)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482598/350-20-45-1Reference 7: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(10)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1 + Details Name: us-gaap_Goodwill Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount after valuation and LIFO reserves of inventory expected to be sold, or consumed within one year or operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of liability recognized for present obligation requiring transfer or otherwise providing economic benefit to others. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(26)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 15: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(14)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 18: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 27: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -

URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 28: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 29: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30 + Details Name: us-gaap_Liabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of liabilities and equity items, including the portion of equity attributable to noncontrolling interests, if any. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(32)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LiabilitiesAndStockholdersEquity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionTotal obligations incurred as part of normal operations that are expected to be paid during the following twelve months or within one business cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 8: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-5Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 20: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 21: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7 + Details Name: us-gaap_LiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_LiabilitiesCurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount classified as liabilities attributable to disposal group held for sale or disposed of, expected to be disposed of within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10 -SubTopic 20 -Topic 205 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-10Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5CReference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-9Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5BReference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-3Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-11 + Details Name: us-gaap_LiabilitiesOfDisposalGroupIncludingDiscontinuedOperationCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount classified as liabilities attributable to disposal group held for sale or disposed of, expected to be disposed of beyond one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10 -SubTopic 20 -Topic 205 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-10Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 11 -SubTopic 10 -Topic 360 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-11Reference 3: 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 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5CReference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5BReference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-3Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-11 + Details Name: us-gaap_LiabilitiesOfDisposalGroupIncludingDiscontinuedOperationNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of investment in marketable security, classified as current. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_MarketableSecuritiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of equity (deficit) attributable to noncontrolling interest. Excludes temporary equity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(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 X - DefinitionAmount of current assets classified as other. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 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 X - DefinitionAmount of noncurrent assets classified as other. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_OtherAssetsNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount after accumulated amortization of finite-lived and indefinite-lived intangible assets classified as other. + ReferencesNo definition available. + Details Name: us-gaap_OtherIntangibleAssetsNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of liabilities classified as other, due within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10 + Details Name: us-gaap_OtherLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of liabilities classified

as other, due after one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_OtherLiabilitiesNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionValue of nonredeemable preferred shares and preferred shares redeemable solely at option of issuer, held by shareholders. Excludes preferred shares repurchased and held as treasury shares. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1 + Details Name: us-gaap_PreferredStockValueOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of asset related to consideration paid in advance for costs that provide economic benefits within a future period of one year or the normal operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 340 -SubTopic 10 -Name Accounting Standards Codification -Section 05 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482955/340-10-05-5Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 340 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483032/340-10-45-1 + Details Name: us-gaap_PrepaidExpenseCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount after accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business to produce goods and services and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -SubTopic 10 -Topic 360 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-7AReference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 360 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478451/942-360-50-1 + Details Name: us-gaap_PropertyPlantAndEquipmentNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of cash and cash equivalents restricted as to withdrawal or usage, classified as current. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 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/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 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_RestrictedCashAndCashEquivalentsAtCarryingValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of cash restricted as to withdrawal or usage, classified as noncurrent. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 5 -SubTopic 210 -Topic 954 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477220/954-210-45-5Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8 + Details Name: us-gaap_RestrictedCashNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of accumulated undistributed earnings (deficit). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)(a)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (h)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-11Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(23)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_RetainedEarningsAccumulatedDeficit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(31)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 12: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 13: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 14: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 4.E) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480418/310-10-S99-2 + Details Name: us-gaap_StockholdersEquity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_StockholdersEquityAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of equity (deficit) attributable to parent and noncontrolling interest. Excludes temporary equity. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 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 (h)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480528/815-20-65-6Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 20 -Name Accounting Standards Codification -Section 65 -Paragraph 6 -Subparagraph (h)(1)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480528/815-20-65-6Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 20 -Name Accounting Standards 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-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:

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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 X - DefinitionThe amount allocated to treasury stock. Treasury stock is common and preferred shares of an entity that were issued, repurchased by the entity, and are held in its treasury. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 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 -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 4: 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_TreasuryStockValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_RelatedPartyTransactionsByRelatedPartyAxis=us-gaap_RelatedPartyMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_RelatedPartyTransactionsByRelatedPartyAxis=us-gaap_NonrelatedPartyMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementClassOfStockAxis=us-gaap_CommonClassAMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementClassOfStockAxis=us-gaap_CommonClassBMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 14 R3.htm IDEA: XBRL DOCUMENT v3.24.2.u1 CONSOLIDATED BALANCE SHEETS (Unaudited) (Parenthetical) - USD ($) shares in Thousands, $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Allowance for doubtful accounts, trade accounts receivable (in dollars) $ 7,349 $ 6,574 Preferred stock, par value (In dollars per share) $ 0.01 $ 0.01 Preferred stock, shares authorized 10,000 10,000 Series 2012-A Preferred Stock Â Â Designated Shares 8,750 8,750 Preferred stock, shares issued 0 0 Preferred stock, shares outstanding 0 0 Class A Common Stock Â Â Common stock, par value (In dollars per share) $ 0.01 $ 0.01 Common stock, shares authorized 35,000 35,000 Common stock, shares issued 1,574 1,574 Common stock, shares outstanding 1,574 1,574 Class B Common Stock Â Â Common stock, par value (In dollars per share) $ 0.01 $ 0.01 Common stock, shares authorized 200,000 200,000 Common stock, shares issued 28,906 28,764 Common stock, shares outstanding 25,438 25,820 Treasury stock, shares 3,468 2,944 X - DefinitionNumber of designated preferred shares issued. + ReferencesNo definition available. + Details Name: gne_PreferredStockDesignatedShares Namespace Prefix: gne_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionAmount of allowance for credit loss on accounts receivable, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479344/326-20-45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481962/310-10-50-4 + Details Name: us-gaap_AllowanceForDoubtfulAccountsReceivableCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionFace amount or stated value per share of common stock. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_CommonStockParOrStatedValuePerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionThe maximum number of common shares permitted to be issued by an entity's charter and bylaws. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1 + Details Name: us-gaap_CommonStockSharesAuthorized Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionTotal number of common shares of an entity that have been sold or granted to shareholders (includes common shares that were issued, repurchased and remain in the treasury). These shares represent capital invested by the firm's shareholders and owners, and may be all or only a portion of the number of shares authorized. Shares issued include shares outstanding and shares held in the treasury. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_CommonStockSharesIssued Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of shares of common stock outstanding. Common stock represent the ownership interest in a corporation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 6: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3 + Details Name: us-gaap_CommonStockSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionFace amount or stated value per share of preferred stock nonredeemable or redeemable solely at the option of the issuer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13 + Details Name: us-gaap_PreferredStockParOrStatedValuePerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionThe maximum number of nonredeemable preferred shares (or preferred stock redeemable solely at the option of the issuer) permitted to be issued by an entity's charter and bylaws. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1 + Details Name: us-gaap_PreferredStockSharesAuthorized Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of shares issued for nonredeemable preferred shares and preferred shares redeemable solely at option of issuer. Includes, but is not limited to, preferred shares issued, repurchased, and held as treasury shares. Excludes preferred shares classified as debt. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13 + Details Name: us-gaap_PreferredStockSharesIssued Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionAggregate share number for all nonredeemable preferred stock (or preferred stock redeemable solely at the option of the issuer) held by stockholders. Does not include preferred shares that have been repurchased. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3 + Details Name: us-gaap_PreferredStockSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of previously issued common shares repurchased by the issuing entity and held in

treasury. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 505 -SubTopic 30 -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481549/505-30-45-1 + Details Name: us-gaap_TreasuryStockCommonShares Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - Details Name: us-gaap_StatementClassOfStockAxis=us-gaap_SeriesAMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementClassOfStockAxis=us-gaap_CommonClassAMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementClassOfStockAxis=us-gaap_CommonClassBMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 15 R4.htm IDEA: XBRL DOCUMENT v3.24.2.u1 CONSOLIDATED STATEMENTS OF OPERATIONS (Unaudited) - USD ($) shares in Thousands, $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Revenues: Â Â Â Â Total revenues $ 90,696 $ 93,463 $ 210,384 $ 198,739 Cost of revenues 57,360 55,255 143,262 127,245 Gross profit 33,336 38,208 67,122 71,494 Operating expenses: Â Â Â Â Selling, general and administrative (i) 22,015 23,173 44,916 45,184 Provision for captive insurance liability 640 1,676 Impairment of assets 118 118 Income from operations 10,563 15,035 20,412 26,310 Interest income 1,362 1,008 2,702 1,982 Interest expense (331) (30) (363) (49) Gain on marketable equity securities and investments 110 122 227 51 Other income, net 1,262 (104) 1,342 3,142 Income before income taxes 12,966 16,031 24,320 31,436 Provision for income taxes (3,465) (3,865) (6,385) (7,933) Net income from continuing operations 9,501 12,166 17,935 23,503 (Loss) income from discontinued operations, net of taxes (145) 3,173 (410) 6,227 Net income 9,356 15,339 17,525 29,730 Net (loss) income attributable to noncontrolling interests, net (256) 183 (210) 144 Net income attributable to Genie Energy Ltd. 9,612 15,156 17,735 29,586 Dividends on preferred stock (176) (333) Net income attributable to Genie Energy Ltd. common stockholders 9,612 14,980 17,735 29,253 Net income (loss) attributable to Genie Energy Ltd. common stockholders Â Â Â Â Continuing operations 9,757 11,807 18,145 23,025 Discontinued operations (145) 3,173 (410) 6,228 Net income attributable to Genie Energy Ltd. common stockholders $ 9,612 $ 14,980 $ 17,735 $ 29,253 Basic: Â Â Â Â Continuing operations $ 0.37 $ 0.46 $ 0.68 $ 0.9 Discontinued operations (0.01) 0.12 (0.02) 0.25 Earnings per share attributable to Genie Energy Ltd. common stockholders 0.36 0.58 0.66 1.15 Diluted Â Â Â Â Continuing operations 0.37 0.45 0.67 0.88 Discontinued operations (0.01) 0.12 (0.02) 0.24 Earnings per share attributable to Genie Energy Ltd. common stockholders $ 0.36 $ 0.57 $ 0.65 $ 1.12 Weighted-average number of shares used in calculation of earnings per share: Â Â Â Â Basic 26,569 25,708 26,760 25,516 Diluted 27,033 26,321 27,272 26,073 Dividends declared per common share $ 0.075 $ 0.075 $ 0.15 $ 0.15 Electricity [Member] Â Â Â Â Revenues: Â Â Â Â Total revenues $ 78,301 $ 80,199 $ 167,697 $ 154,686 Natural gas [Member] Â Â Â Â Revenues: Â Â Â Â Total revenues 8,414 8,975 30,812 35,900 Other [Member] Â Â Â Â Revenues: Â Â Â Â Total revenues $ 3,981 $ 4,289 $ 11,875 $ 8,153 X - DefinitionAmount of change in provision for Captive insuarance liability. + ReferencesNo definition available. + Details Name: gne_ChangeInProvisionForCaptiveInsuranceLiability Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of write-down of assets recognized in the income statement. Includes, but is not limited to, losses from tangible assets, intangible assets and goodwill. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 360 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-4 + Details Name: us-gaap_AssetImpairmentCharges Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAggregate dividends declared during the period for each share of common stock outstanding. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_CommonStockDividendsPerShareDeclared Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe aggregate cost of goods produced and sold and services rendered during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://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 X - DefinitionThe amount of net income (loss) for the period per each share of common stock or unit outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-52Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-15Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7 + Details Name: us-gaap_EarningsPerShareBasic Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_EarningsPerShareBasicAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe amount of net income (loss) for the period available to each share of common stock or common unit outstanding during the reporting period and to each share or unit that would have been outstanding assuming the issuance of common shares or units for all dilutive potential common shares or units outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-52Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-15Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 18:

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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 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470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 21: 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Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount after tax of income (loss) from continuing operations attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 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://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(13)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name 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equity method investments, before deduction of income tax expense (benefit), and income (loss) attributable to noncontrolling interest. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (b) 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https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount after tax of income (loss) from continuing operations including portion attributable to the noncontrolling interest. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 19 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-19Reference 2: http://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/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 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DefinitionThe amount of net income (loss) from continuing operations per each share of common stock or unit outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/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 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 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(13)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 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 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 7: 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 8: 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 9: 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 10: 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 11: 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 12: 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 13: http://www.xbrl.org/2009/role/commonPracticeRef -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 14: 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 15: 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 16: 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/1943274/2147482689/260-10-45-7Reference 17: 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(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_IncomeLossFromContinuingOperationsPerBasicShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe amount of net income (loss) derived from continuing operations during the period available to each share of common stock or common unit outstanding during the reporting period and to each share or unit that would have been outstanding assuming the issuance of common shares or units for all dilutive potential common shares or units outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/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://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(13)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 4: 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 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 6: 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 7: 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 8: 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 9: 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 10: 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 11: 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 12: http://www.xbrl.org/2009/role/commonPracticeRef -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 13: 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 14: 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 15: 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 16: 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_IncomeLossFromContinuingOperationsPerDilutedShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionAmount after tax of income (loss) from a discontinued operation including the portion attributable to the noncontrolling interest. Includes, but is not limited to, the income (loss) from operations during the phase-out period, gain (loss) on disposal, gain (loss) for reversal of write-down (write-down) to fair value, less cost to sell, and adjustments to a prior period gain (loss) on disposal. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(12)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 270 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477349/740-270-45-3Reference 3: 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 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3A -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3AReference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5CReference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3B -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3BReference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-4Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-1Reference 9: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3 + Details Name: us-gaap_IncomeLossFromDiscontinuedOperationsNetOfTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount after tax of income (loss) from a discontinued operation attributable to the parent. Includes, but is not limited to, the income (loss) from operations during the phase-out period, gain (loss) on disposal, gain (loss) for reversal of write-down (write-down) to fair value, less cost to sell, and adjustments to a prior period gain (loss) on disposal. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 19 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-19Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3A -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3AReference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5BReference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5CReference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3B -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3BReference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-4Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-1Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3 + Details Name: us-gaap_IncomeLossFromDiscontinuedOperationsNetOfTaxAttributableToReportingEntity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionPer basic share amount, after tax, of income (loss) from the day-to-day business activities of the discontinued operation and gain (loss) from the disposal of the discontinued operation. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-3Reference 2: 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 3: http://www.xbrl.org/2009/role/commonPracticeRef -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 4: 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 5: http://www.xbrl.org/2009/role/commonPracticeRef -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 6: 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/1943274/2147482689/260-10-45-7Reference 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(14)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_IncomeLossFromDiscontinuedOperationsNetOfTaxPerBasicShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionPer diluted share amount, after tax, of income (loss) from the day-to-day business activities of the discontinued operation and gain (loss) from the disposal of the discontinued operation. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-3Reference 2: 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 3: 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/1943274/2147482689/260-10-45-7Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 5 -Subparagraph (SAB Topic 5.E) -Publisher FASB -URI

https://asc.fasb.org/1943274/2147479836/810-10-S99-5 + Details Name: us-gaap_IncomeLossFromDiscontinuedOperationsNetOfTaxPerDilutedShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionAmount of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 6.I.7) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479360/740-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-10Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Subparagraph (a) -SubTopic 20 -Topic 740 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482659/740-20-45-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(h)) -SubTopic 10 -Topic 235 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1 + Details Name: us-gaap_IncomeTaxExpenseBenefit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of the cost of borrowed funds accounted for as interest expense for debt. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69E -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69EReference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69F -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69FReference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-6 + Details Name: us-gaap_InterestExpenseDebt Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount before accretion (amortization) of purchase discount (premium) of interest income on nonoperating securities. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (c) -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 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(7)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 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/1943274/2147482810/280-10-50-32 + Details Name: us-gaap_InvestmentIncomeInterest Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 7: 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210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards 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http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of Net Income (Loss) attributable to noncontrolling interest. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 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 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Name: us-gaap_NetIncomeLossAttributableToNoncontrollingInterest Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount, after deduction of tax, noncontrolling interests, dividends on preferred stock and participating securities; of income (loss) available to common shareholders. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 3:

http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 5 -Subparagraph (SAB Topic 6.B) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-5Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 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credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_OperatingExpensesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe net result for the period of deducting operating expenses from operating revenues. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 31 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-31 + Details Name: us-gaap_OperatingIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of income (expense) related to nonoperating activities, classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_OtherNonoperatingIncomeExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe amount of preferred stock dividends that is an adjustment to net income apportioned to common stockholders. + ReferencesNo definition available. + Details Name: us-gaap_PreferredStockDividendsIncomeStatementImpact Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe consolidated profit or loss for the period, net of income taxes, including the portion attributable to the noncontrolling interest. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph 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-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 X - DefinitionAmount 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). + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 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: 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/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-40Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 25: 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 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_Revenues Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_RevenuesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe aggregate total costs related to selling a firm's product and services, as well as all other general and administrative expenses. Direct selling expenses (for example, credit, warranty, and advertising) are expenses that can be directly linked to the sale of specific products. Indirect selling expenses are expenses that cannot be directly linked to the sale of specific products, for example telephone expenses, Internet, and postal charges. General and administrative expenses include salaries of non-sales personnel, rent, utilities, communication, etc. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_SellingGeneralAndAdministrativeExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of unrealized gain (loss) on investment. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_UnrealizedGainLossOnInvestments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe average number of shares or units issued and outstanding that are used in calculating diluted EPS or earnings per unit (EPU), determined based on the timing of issuance of shares or units in the period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 16 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-16 + Details Name: us-gaap_WeightedAverageNumberOfDilutedSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_WeightedAverageNumberOfSharesOutstandingAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionNumber of [basic] shares or units, after adjustment for contingently issuable shares or units and other shares or units not deemed outstanding, determined by relating the portion of time within a reporting period that common shares or units have been outstanding to the total time in that period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10 + Details Name: us-gaap_WeightedAverageNumberOfSharesOutstandingBasic Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - Details Name: srt_ProductOrServiceAxis=us-gaap_ElectricityMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=us-gaap_OilAndGasMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=us-gaap_ProductAndServiceOtherMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 16 R5.htm IDEA: XBRL DOCUMENT v3.24.2.u1 CONSOLIDATED STATEMENTS OF OPERATIONS (Unaudited) (Parenthetical) - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Selling, General and Administrative Expenses [Member] Â Â Â Â Stock-based compensation included in selling, general and administrative expenses $ 458 $ 756 $ 1,207 $ 1,605 X - DefinitionAmount of expense for award under share-based payment arrangement. Exclude amount capitalized. + ReferencesNo definition available. + Details Name: gne_AllocatedShareBasedCompensationExpenses Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - Details Name: us-gaap_IncomeStatementLocationAxis=us-gaap_SellingGeneralAndAdministrativeExpensesMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 17 R6.htm IDEA: XBRL DOCUMENT v3.24.2.u1 CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (Unaudited) - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Consolidated Statements of Comprehensive Income [Abstract] Â Â Â Â Net income $ 9,356 $ 15,339 $ 17,525 $ 29,730 Other comprehensive loss: Â Â Â Â Foreign currency translation adjustments 3,646 72 (1,436) 44 Comprehensive income 13,002 15,411 16,089 29,774 Comprehensive loss attributable to noncontrolling interests (174) (185) 451 (149) Comprehensive income attributable to Genie Energy Ltd. $ 12,828 $ 15,226 $ 16,540 $ 29,625 X - DefinitionAmount after tax of increase (decrease) in equity from transactions and other events and circumstances from net income and other comprehensive income, attributable to parent entity. Excludes changes in equity resulting from investments by owners and distributions to owners. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(26)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 220 -SubTopic 10 -Section 45 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-5 + Details Name: us-gaap_ComprehensiveIncomeNetOfTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount after tax of increase (decrease) in equity from transactions and other events and circumstances from net income (loss) and other comprehensive income (loss), attributable to noncontrolling interests. Excludes changes in equity resulting from investments by owners and distributions to owners. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 20 -SubTopic 10 -Topic 810 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-20Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 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(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 810 -SubTopic 10 -Section 45 -Paragraph 21 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-21Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 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(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 9: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 810 -SubTopic 10 -Section 55 -Paragraph 4K -Publisher FASB -URI https://asc.fasb.org/1943274/2147481175/810-10-55-4K + Details Name: us-gaap_ComprehensiveIncomeNetOfTaxAttributableToNoncontrollingInterest Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount after tax of increase (decrease) in equity from transactions and other events and circumstances from net income and other comprehensive income. Excludes changes in equity resulting from investments by owners and distributions to owners. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 19 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-19Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 810 -SubTopic 10 -Section 55 -Paragraph 4K -Publisher FASB -URI https://asc.fasb.org/1943274/2147481175/810-10-55-4K + Details Name: us-gaap_ComprehensiveIncomeNetOfTaxIncludingPortionAttributableToNoncontrollingInterest Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount after tax and reclassification adjustments of gain (loss) on foreign currency translation adjustments, foreign currency transactions designated and effective as economic hedges of a net investment in a foreign entity and intra-entity foreign currency transactions that are of a long-term-investment nature. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10A -Subparagraph (a) -SubTopic 10 -Topic 220 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-10AReference 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(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1 + Details Name: us-gaap_OtherComprehensiveIncomeLossForeignCurrencyTransactionAndTranslationAdjustmentNetOfTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_OtherComprehensiveIncomeLossNetOfTaxPeriodIncreaseDecreaseAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe consolidated profit or loss for the period, net of income taxes, including the portion attributable to the noncontrolling interest. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://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/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI

https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 9: 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 10: 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 11: 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 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 205 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478009/946-205-45-3Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 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: 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-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 X - ReferencesNo definition available. + Details Name: us-gaap_StatementOfIncomeAndComprehensiveIncomeAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 18 R7.htm IDEA: XBRL DOCUMENT v3.24.2.u1 CONSOLIDATED STATEMENTS OF EQUITY - USD ($) $ in Thousands Total Preferred Stock Common Stock Class A Common Stock Common Stock Class B Common Stock Additional Paid-In Capital Treasury Stock Accumulated Other Comprehensive Income Retained Earnings Noncontrolling Interests Beginning Balance at Dec. 31, 2022 $ 173,644 $ 8,359 $ 16 $ 271 $ 146,546 $ (19,010) $ 1,926 $ 49,010 $ (13,474) Beginning Balance, shares at Dec. 31, 2022 Â 983,000 1,574,000 27,126,000 Â Â Â Â Â Increase (Decrease) in Stockholders' Equity [Roll Forward] Â Â Â Â Â Â Â Â Â Dividends on preferred stock (157) Â Â Â Â Â Â (157) Â Dividends on common stock (1,951) Â Â Â Â Â Â (1,951) Â Stock Based Compensation 899 Â Â Â 899 Â Â Â Â Stock-based compensation, shares Â Â Â 33,000 Â Â Â Â Â Restricted Class B common stock purchased from employees (165) Â Â Â (165) Â Â Â Redemption of preferred stock (1,000) $ (1,000) Â Â Â Â Â Â Â Redemption of preferred stock, shares Â (117,000) Â Â Â Â Â Â Â Other comprehensive loss (income) (28) Â Â Â Â Â (31) Â 3 Net income (loss) 14,392 Â Â Â Â Â Â 14,431 (39) Ending Balance at Mar. 31, 2023 185,634 $ 7,359 $ 16 $ 271 147,445 (19,175) 1,895 61,333 (13,510) Ending Balance, shares at Mar. 31, 2023 Â 866,000 1,574,000 27,159,000 Â Â Â Â Â Beginning Balance at Dec. 31, 2022 173,644 $ 8,359 $ 16 $ 271 146,546 (19,010) 1,926 49,010 (13,474) Beginning Balance, shares at Dec. 31, 2022 Â 983,000 1,574,000 27,126,000 Â Â Â Â Â Increase (Decrease) in Stockholders' Equity [Roll Forward] Â Â Â Â Â Â Â Â Â Net income (loss) 29,730 Â Â Â Â Â Â Â Â Ending Balance at Jun. 30, 2023 195,985 $ 16 $ 288 154,299 (21,613) 1,965 74,355 (13,325) Ending Balance, shares at Jun. 30, 2023 Â 1,574,000 28,764,000 Â Â Â Â Â Beginning Balance at Mar. 31, 2023 185,634 $ 7,359 $ 16 $ 271 147,445 (19,175) 1,895 61,333 (13,510) Beginning Balance, shares at Mar. 31, 2023 Â 866,000 1,574,000 27,159,000 Â Â Â Â Â Increase (Decrease) in Stockholders' Equity [Roll Forward] Â Â Â Â Â Â Â Â Â Dividends on preferred stock (176) Â Â Â Â Â Â (176) Â Dividends on common stock (1,958) Â Â Â Â Â Â (1,958) Â Stock Based Compensation 756 Â Â $ 3 753 Â Â Â Â Stock-based compensation, shares Â Â Â 300,000 Â Â Â Â Â Restricted Class B common stock purchased from employees (2,438) Â Â Â Â (2,438) Â Â Â Redemption of preferred stock (7,359) $ (7,359) Â Â Â Â Â Â Â Redemption of preferred stock, shares Â (866,000) Â Â Â Â Â Â Â Exercise of stock options 1,115 Â Â $ 3 1,112 Â Â Â Â Exercise of stock options, shares Â Â Â 257,000 Â Â Â Â Â Exercise of warrants, shares Â Â Â 1,048,000 Â Â Â Â Â Exercise of warrants 5,000 Â Â $ 11 4,989 Â Â Â Â Other comprehensive loss (income) 72 Â Â Â Â Â 70 Â 2 Net income (loss) 15,339 Â Â Â Â Â Â 15,156 183 Ending Balance at Jun. 30, 2023 195,985 $ 16 $ 288 154,299 (21,613) 1,965 74,355 (13,325) Ending Balance, shares at Jun. 30, 2023 Â 1,574,000 28,764,000 Â Â Â Â Â Beginning Balance at Dec. 31, 2023 184,508 $ 16 $ 288 156,101 (22,661) 3,299 60,196 (12,731) Beginning Balance, shares at Dec. 31, 2023 Â 1,574,000 28,765,000 Â Â Â Â Â Increase (Decrease) in Stockholders' Equity [Roll Forward] Â Â Â Â Â Â Â Â Â Dividends on common stock (2,121) Â Â Â Â Â Â (2,121) Â Stock Based Compensation 749 Â Â Â 749 Â Â Â Â Stock-based compensation, shares Â Â Â 14,000 Â Â Â Â Â Restricted Class B common stock purchased from employees (2,523) Â Â Â Â (2,523) Â Â Â Exercise of stock options 1,016 Â Â $ 1 1,015 Â Â Â Â Exercise of stock options, shares Â Â Â 126,000 Â Â Â Â Â Purchase of equity of subsidiary (1,200) Â Â Â (316) Â Â Â (884) Repurchase of Class B common stock from stock repurchase program (4,101) Â Â Â Â (4,101) Â Â Â Other comprehensive loss (income) (5,082) Â Â Â Â Â (5,210) Â 128 Net income (loss) 8,169 Â Â Â Â Â Â 8,123 46 Ending Balance at Mar. 31, 2024 179,415 $ 16 $ 289 157,549 (29,285) (1,911) 66,198 (13,441) Ending Balance, shares at Mar. 31, 2024 Â 1,574,000 28,905,000 Â Â Â Â Â Beginning Balance at Dec. 31, 2023 184,508 $ 16 $ 288 156,101 (22,661) 3,299 60,196 (12,731) Beginning Balance, shares at Dec. 31, 2023 Â 1,574,000 28,765,000 Â Â Â Â Â Increase (Decrease) in Stockholders' Equity [Roll Forward] Â Â Â Â Â Â Â Â Â Redemption of preferred stock Â $ (19,800) Â Â Â Â Â Â Â Redemption of preferred stock, shares Â (2,322,726) Â Â Â Â Â Â Â Net income (loss) 17,525 Â Â Â Â Â Â Â Â Ending Balance at Jun. 30, 2024 189,554 $ 16 $ 289 158,007 (31,849) 1,836 73,779 (12,524) Ending Balance, shares at Jun. 30, 2024 Â 1,574,000 28,906,000 Â Â Â Â Â Beginning Balance at Mar. 31, 2024 179,415 $ 16 $ 289 157,549 (29,285) (1,911) 66,198 (13,441) Beginning Balance, shares at Mar. 31, 2024 Â 1,574,000 28,905,000 Â Â Â Â Â Increase (Decrease) in Stockholders' Equity [Roll Forward] Â Â Â Â Â Â Â Â Â Dividends on common stock (2,031) Â Â Â Â Â Â (2,031) Â Stock Based Compensation 458 Â Â Â 458 Â Â Â Â Stock-based compensation, shares Â Â Â 1,000 Â Â Â Â Â Consolidation of a subsidiary 1,286 Â Â Â Â Â Â Â 1,286 Deconsolidation of a subsidiary (12) Â Â Â Â Â (12) Â Â Repurchase of Class B common stock from stock repurchase program (1,796) Â Â Â (1,796) Â Â Â Other comprehensive loss (income) 3,646 Â Â Â Â Â 3,759 Â (113) Class B common stock purchased from Genie Energy Charitable Foundation (768) Â Â Â Â (768) Â Â Â Net income (loss) 9,356 Â Â Â Â Â 9,612 (256) Ending Balance at Jun. 30, 2024 $ 189,554 $ 16 $ 289 $ 158,007 $ (31,849) $ 1,836 $ 73,779 $ (12,524) Ending Balance, shares at Jun. 30, 2024 Â 1,574,000 28,906,000 Â Â Â Â Â X - DefinitionThe decrease in equity from deconsolidation of subsidiaries. + ReferencesNo definition available. + Details Name: gne_DecreaseInEquityThroughDeconsolidationOfSubsidiaries Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe amount of restricted class B common stock purchased from employees. + ReferencesNo definition available. + Details Name: gne_RestrictedCommonStockPurchasedFromEmployees Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe amount of restricted class B common stock purchased from related party. + ReferencesNo definition available. + Details Name: gne_RestrictedCommonStockPurchasedFromRelatedParty Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionNumber of warrants exercised during the current period. + ReferencesNo definition available. + Details Name: gne_StockIssuedDuringPeriodSharesWarrantsExercised Namespace Prefix: gne_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionValue of stock issued as a result of the exercise of warrants. + ReferencesNo definition available. + Details Name: gne_StockIssuedDuringPeriodValueWarrantsExercised Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of paid and unpaid common stock dividends declared with the form of settlement in cash. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_DividendsCommonStockCash Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of paid and unpaid preferred stock dividends declared with the form of settlement in cash. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 2 -SubTopic 405 -Topic 942 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477787/942-405-45-2 + Details Name: us-gaap_DividendsPreferredStockCash Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionA roll forward is a reconciliation of a concept from the beginning of a period to the end of a period. + ReferencesNo definition available. + Details Name: us-gaap_IncreaseDecreaseInStockholdersEquityRollForward Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionDecrease in noncontrolling interest (for example, but not limited to, redeeming or purchasing the interests of noncontrolling shareholders, issuance of shares (interests) by the non-wholly owned subsidiary to the parent entity for other than cash, and a buyback of shares (interest) by the non-wholly owned subsidiary from the noncontrolling interests). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 23 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-23Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 810 -SubTopic 10 -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-24 + Details Name: us-gaap_MinorityInterestDecreaseFromRedemptions Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount after tax and reclassification adjustments of other comprehensive income (loss). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://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 3: 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 4: 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 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards

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FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 12: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 55 -Paragraph 15 -SubTopic 10 -Topic 220 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482739/220-10-55-15Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1A + Details Name: us-gaap_OtherComprehensiveIncomeLossNetOfTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe consolidated profit or loss for the period, net of income taxes, including the portion attributable to the noncontrolling interest. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://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 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http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 205 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478009/946-205-45-3Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 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: 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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 X - DefinitionGross number of share options (or share units) granted during the period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsGrantsInPeriodGross Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber of shares of stock issued as of the balance sheet date, including shares that had been issued and were previously outstanding but which are now held in the treasury. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2 + Details Name: us-gaap_SharesIssued Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionValue, after forfeiture, of shares granted under share-based payment arrangement. Excludes employee stock ownership plan (ESOP). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 10 -Section 30 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480513/718-10-30-3Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 30 -Section 35 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480843/718-30-35-1 + Details Name: us-gaap_StockGrantedDuringPeriodValueSharebasedCompensation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionNumber of share options (or share units) exercised during the current period. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodSharesStockOptionsExercised Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionValue of stock issued pursuant to acquisitions during the period. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(31)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodValueAcquisitions Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionValue of stock issued as a result of the exercise of stock options. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(31)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodValueStockOptionsExercised Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionNumber of stock bought back by the entity at the exercise price or redemption price. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2 + Details Name: us-gaap_StockRedeemedOrCalledDuringPeriodShares Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionEquity impact of the value of stock bought back by the entity at the exercise price or redemption price. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name

Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2 + Details Name: us-gaap_StockRedeemedOrCalledDuringPeriodValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionEquity impact of the value of stock that has been repurchased and retired during the period. The excess of the purchase price over par value can be charged against retained earnings (once the excess is fully allocated to additional paid in capital). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockRepurchasedAndRetiredDuringPeriodValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of equity (deficit) attributable to parent and noncontrolling interest. Excludes temporary equity. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 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 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-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) 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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 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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 XML 19 R8.htm IDEA: XBRL DOCUMENT v3.24.2.u1 CONSOLIDATED STATEMENTS OF EQUITY (Parenthetical) - $ / shares 3 Months Ended Jun. 30, 2023 Mar. 31, 2023 Statement of Stockholders' Equity [Abstract] Â Â Dividends on preferred stock $ 0.1594 $ 0.1594 Dividends on common stock $ 0.075 $ 0.075 X - DefinitionAggregate dividends paid during the period for each share of common stock outstanding. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_CommonStockDividendsPerShareCashPaid Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionAggregate dividends paid during the period for each share of preferred stock outstanding. + ReferencesNo definition available. + Details Name: us-gaap_PreferredStockDividendsPerShareCashPaid Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_StatementOfStockholdersEquityAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 20 R9.htm IDEA: XBRL DOCUMENT v3.24.2.u1 CONSOLIDATED STATEMENTS OF CASH FLOWS (Unaudited) - USD ($) $ in Thousands 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Operating activities Â Â Net income $ 17,525 $ 29,730 Net (loss) income from discontinued operations, net of tax (410) 6,227 Net income from continuing operations 17,935 23,503 Adjustments to reconcile net income to net cash provided by operating activities: Â Â Provision for captive insurance liability 1,676 Depreciation and amortization 415 191 Impairment of assets 118 Provision for doubtful accounts receivable 1,210 1,372 Inventory valuation allowance 417 Unrealized gain on marketable equity securitiesÂ and investments and others, net (443) (143) Stock-based compensation 1,207 1,648 Changes in assets and liabilities: Â Â Trade accounts receivable 6,565 (4,468) Inventory 6,616 (2,472) Prepaid expenses 4,479 (1,971) Other current assets and other assets 1,919 941 Trade accounts payable, accrued expenses and other liabilities (18,156) (2,430) Due to IDT Corporation, net 4 (21) Income taxes payable 2,362 (11,581) Net cash provided by operating activities of continuing operations 26,324 4,569 Net cash provided by operating activities of discontinued operations 7,011 15,671 Net cash provided by operating activities 33,335 20,240 Investing activities Â Â Capital expenditures (1,562) (561) Purchase of solar system facility (1,344) Purchases of marketable equity securities and other investments (3,042) (9,312) Purchase of equity of subsidiary (1,200) Proceeds from the sale of marketable equity securities and other investments 8,009 Proceeds from settlement of equity method investment 282 Repayment of notes receivable 19 Net cash used in investing activities (7,148) (1,563) Financing activities Â Â Dividends paid (4,152) (4,763) Repurchases of Class B common stock (5,897) Repurchases of Class B common stock from employees (1,508) (1,475) Repurchase of Class B common stock from Genie Foundation (768) Proceeds from the exercise of warrants 5,000 Redemption of preferred stock (8,359) Net cash used in financing activities (12,325) (9,597) Effect of exchange rate changes on cash, cash equivalents, and restricted cash (140) (37) Net increase in cash, cash equivalents, and restricted cash 13,722 9,043 Cash, cash equivalents, and restricted cash (including cash held at discontinued operations) at beginning of period 165,479 106,080 Cash, cash equivalents and restricted cash (including cash held at discontinued operations) at end of the period 179,201 115,123 Less: Cash held at of discontinued operations at end of period 1,281 465 Cash, cash equivalents, and restricted cash (excluding cash held at discontinued operations) at end of period $ 177,920 $ 114,658 X - DefinitionAmount of change in provision for Captive insuarance liability. + ReferencesNo definition available. + Details Name: gne_ChangeInProvisionForCaptiveInsuranceLiability Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe cash outflow to reacquire common stock during the period from related party. + ReferencesNo definition available. + Details Name: gne_PaymentsForRepurchaseOfCommonStockFromRelatedParty Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe cash outflow for the purchase of solar system facilities. + ReferencesNo definition available. + Details Name: gne_PaymentsToAcquireSolarSystemFacilities Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe amount of

unrealized gain (loss) on marketable equity securitiesÂ and investments and others. + ReferencesNo definition available. + Details Name: gne_UnrealizedGainLossOnMarketableEquitySecuritiesAndInvestmentsAndOthers Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_AdjustmentsToReconcileNetIncomeLossToCashProvidedByUsedInOperatingActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of write-down of assets recognized in the income statement. Includes, but is not limited to, losses from tangible assets, intangible assets and goodwill. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 360 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-4 + Details Name: us-gaap_AssetImpairmentCharges Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage. Excludes amount for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4 + Details Name: us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; including, but not limited to, disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4 + Details Name: us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsIncludingDisposalGroupAndDiscontinuedOperations Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of increase (decrease) in cash, cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; including effect from exchange rate change. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 1 -SubTopic 230 -Topic 830 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477401/830-230-45-1 + Details Name: us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe aggregate expense recognized in the current period that allocates the cost of tangible assets, intangible assets, or depleting assets to periods that benefit from use of the assets. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22 + Details Name: us-gaap_DepreciationDepletionAndAmortization Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of currency on hand, demand deposits with banks or financial institutions, and other kinds of accounts that have the general characteristics of demand deposits, held by a disposal group. + ReferencesNo definition available. + Details Name: us-gaap_DisposalGroupIncludingDiscontinuedOperationCash Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of increase (decrease) from effect of exchange rate changes on cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; held in foreign currencies; including, but not limited to, disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 830 -SubTopic 230 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477401/830-230-45-1 + Details Name: us-gaap_EffectOfExchangeRateOnCashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsIncludingDisposalGroupAndDiscontinuedOperations Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount after tax of income (loss) from continuing operations including portion attributable to the noncontrolling interest. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 19 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-19Reference 2: http://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/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 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 9: 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 10: 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 11: 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 12: 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 13: 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 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 15: 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 16: 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 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 18: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 27: http://www.xbrl.org/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_IncomeLossFromContinuingOperationsIncludingPortionAttributableToNoncontrollingInterest Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount after tax of income (loss) from a discontinued operation including the portion attributable to the noncontrolling interest. Includes, but is not limited to, the income (loss) from operations during the phase-out period, gain (loss) on disposal, gain (loss) for reversal of write-down (write-down) to fair value, less cost to sell, and adjustments to a prior period gain (loss) on disposal. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(12)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 270 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477349/740-270-45-3Reference 3: 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 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3A -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3AReference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5CReference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3B -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3BReference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-4Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-1Reference 9: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3 + Details Name: us-gaap_IncomeLossFromDiscontinuedOperationsNetOfTax Namespace Prefix: us-gaap_ Data Type:

xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in the amounts payable to vendors for goods and services received and the amount of obligations and expenses incurred but not paid. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInAccountsPayableAndAccruedLiabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in amount due within one year (or one business cycle) from customers for the credit sale of goods and services. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInAccountsReceivable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe increase (decrease) during the period in the amount due for taxes based on the reporting entity's earnings or attributable to the entity's income earning process (business presence) within a given jurisdiction. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInAccruedIncomeTaxesPayable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in the aggregate amount of obligations to be paid to the following types of related parties: a parent company and its subsidiaries; subsidiaries of a common parent; an entity and trust for the benefit of employees, such as pension and profit-sharing trusts that are managed by or under the trusteeship of the entities' management; an entity and its principal owners, management, or member of their immediate families, affiliates, or other parties with the ability to exert significant influence. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInDueToRelatedPartiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in the aggregate value of all inventory held by the reporting entity, associated with underlying transactions that are classified as operating activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInInventories Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_IncreaseDecreaseInOperatingCapitalAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of increase (decrease) in operating assets classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInOtherOperatingAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in the amount of outstanding money paid in advance for goods or services that bring economic benefits for future periods. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInPrepaidExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of loss from reductions in inventory due to subsequent measurement adjustments, including, but not limited to, physical deterioration, obsolescence, or changes in price levels. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 330 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483080/330-10-50-2 + Details Name: us-gaap_InventoryWriteDown Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionIncrease (decrease) in cash associated with the entity's discontinued operations. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24 + Details Name: us-gaap_NetCashProvidedByUsedInDiscontinuedOperations Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash inflow (outflow) from financing activities, including discontinued operations. Financing activity cash flows include obtaining resources from owners and providing them with a return on, and a return of, their investment; borrowing money and repaying amounts borrowed, or settling the obligation; and obtaining and paying for other resources obtained from creditors on long-term credit. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24 + Details Name: us-gaap_NetCashProvidedByUsedInFinancingActivities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetCashProvidedByUsedInFinancingActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of cash inflow (outflow) from investing activities, including discontinued operations. Investing activity cash flows include making and collecting loans and acquiring and disposing of debt or equity instruments and property, plant, and equipment and other productive assets. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24 + Details Name: us-gaap_NetCashProvidedByUsedInInvestingActivities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetCashProvidedByUsedInInvestingActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of cash inflow (outflow) from operating activities, including discontinued operations. Operating activity cash flows include transactions, adjustments, and changes in value not defined as investing or financing activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-25 + Details Name: us-gaap_NetCashProvidedByUsedInOperatingActivities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetCashProvidedByUsedInOperatingActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of cash inflow (outflow) from operating activities, excluding discontinued operations. Operating activity cash flows include transactions, adjustments, and changes in value not defined as investing or financing activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-25 + Details Name: us-gaap_NetCashProvidedByUsedInOperatingActivitiesContinuingOperations Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: na Period Type: duration X - DefinitionThe cash outflow to reacquire common stock during the period. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 15 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-15 + Details Name: us-gaap_PaymentsForRepurchaseOfCommonStock Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash outflow to reacquire equity classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 15 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-15 + Details Name: us-gaap_PaymentsForRepurchaseOfOtherEquity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe cash outflow for reacquisition of callable preferred stock. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 15 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-15 + Details Name: us-gaap_PaymentsForRepurchaseOfRedeemablePreferredStock Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash outflow in the form of ordinary dividends to common shareholders of the parent entity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 15 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-15 + Details Name: us-gaap_PaymentsOfDividendsCommonStock Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe cash outflow associated with the purchase of noncontrolling interest during the period. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 13 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-13 + Details Name: us-gaap_PaymentsToAcquireAdditionalInterestInSubsidiaries Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe cash outflow associated with the acquisition of long-lived, physical assets that are used in the normal conduct of business to produce goods and services and not intended for resale; includes cash outflows to pay for construction of self-constructed assets. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 13 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-13 + Details Name: us-gaap_PaymentsToAcquirePropertyPlantAndEquipment Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe cash outflow for securities or other assets acquired, which qualify for treatment as an investing activity and are to be liquidated, if necessary, within the current operating cycle. Includes cash flows from securities classified as trading securities that were acquired for reasons other than sale in the short-term. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-13 + Details Name: us-gaap_PaymentsToAcquireShortTermInvestments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe cash inflow associated with the proceeds from sale of notes receivable, as well as principal collections from a borrowing supported by a written promise to pay an obligation (note receivable). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 12 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-12 + Details Name: us-gaap_ProceedsFromSaleAndCollectionOfNotesReceivable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe cash inflow from sales, maturities, prepayments, calls and collections of all investments, including securities and other assets, having ready marketability and intended by management to be liquidated, if necessary, within the current operating cycle. Includes cash flows from securities classified as trading securities that were acquired for reasons other than sale in the short-term. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-12 + Details Name: us-gaap_ProceedsFromSaleMaturityAndCollectionOfShorttermInvestments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe cash inflow associated with the sale of equity method investments, which are investments in joint ventures and entities in which the entity has an equity ownership interest normally of 20 to 50 percent and exercises significant influence. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 12 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-12 + Details Name: us-gaap_ProceedsFromSaleOfEquityMethodInvestments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe cash inflow associated with the amount received from holders exercising their stock warrants. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 14 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14 + Details Name: us-gaap_ProceedsFromWarrantExercises Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe consolidated profit or loss for the period, net of income taxes, including the portion attributable to the noncontrolling interest. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://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/disclosureRef -

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-Paragraph 3 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478009/946-205-45-3Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 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 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-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 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-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 X - DefinitionAmount of expense (reversal of expense) for expected credit loss on accounts receivable. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479319/326-20-50-13Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_ProvisionForDoubtfulAccounts Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of noncash expense for share-based payment arrangement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_ShareBasedCompensation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration XML 21 R10.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Basis of Presentation and Business Changes and Development 6 Months Ended Jun. 30, 2024 Basis of Presentation and Business Changes and Development Â Basis of Presentation and Business Changes and Development Note 1â€”Basis of Presentation and Business Changes and Development Â The accompanying unaudited consolidated financial statements of Genie Energy Ltd. and its subsidiaries (the â€œCompanyâ€ or â€œGenieâ€) have been prepared in accordance with accounting principles generally accepted in the United States of America (â€œU.S. GAAPâ€) for interim financial information and with the instructions to Form 10-Q and Article 8 of Regulation S-X. Accordingly, they do not include all of the information and footnotes required by U.S.Â GAAP for complete financial statements. In the opinion of management, all adjustments (consisting of normal recurring accruals) considered necessary for a fair presentation have been included. Operating results for the three and sixÂ months ended June 30, 2024 are not necessarily indicative of the results that may be expected for the year ending December 31, 2024. The balance sheet at December 31, 2023 has been derived from the Companyâ€™s audited financial statements at that date but does not include all of the information and footnotes required by U.S. GAAP for complete financial statements. For further information, please refer to the consolidated financial statements and footnotes thereto included in the Companyâ€™s Annual Report on Form 10-K for the year ended December 31, 2023, as filed with the U.S.Â Securities and Exchange Commission (the â€œSECâ€).Â Â Â The Company ownsÂ 100% of Genie Retail Energy (â€œGREâ€)Â and varied interests inÂ entities that comprise the Genie RenewablesÂ segment.Â Â GRE owns and operates retail energy providers (â€œREPsâ€), including IDT Energy (â€œIDT Energyâ€), Residents EnergyÂ (â€œResidents Energyâ€), Town Square Energy and Town Square Energy East (collectively, "TSE"), Southern Federal Power ("Southern Federal") and Mirabito Natural Gas (â€œMirabitoâ€). The majority ofÂ GRE's REP customers are located in the Eastern and Midwestern United States and Texas. MirabitoÂ supplies natural gas to commercial customers in Florida. Genie RenewablesÂ consists of aÂ 95.5% interest inÂ Genie Solar, an integrated solar energy company, aÂ 92.8% interest inÂ CityComÂ Solar, a marketer of community solar and other sales solutions and a 91.5% interest inÂ Diversegy, an energy broker. In addition to being a solar energy developer and operator, Genie Solar owns aÂ 60.0% interest inÂ Prism Solar Technology ("Prism") which designs and manufactures specialized solar panels. Impairment of Assets In the second quarter of 2024, the Company discontinued several projects of Genie Solar as a result of lack of viability. The Company recognized an impairment of assets of $0.1 million related to costs previously capitalized in the property and equipment accounts in the consolidated balance sheets. One-Time Tax Credit In the first quarter of 2023, the Company received $3.1 millionÂ in respect of aÂ one-time tax credit related to payroll taxes incurred in prior years, which the Company recognized as a gain included in other income, net in the accompanying consolidated statements of operations for the six months ended June 30, 2024. Discontinued Operations in Finland and Sweden Prior to the third quarter of 2022, the Company had a third segment, Genie Retail Energy International, or GRE International, which supplied electricity to residential and small business customers in Scandinavia. However, as a result of volatility in the energy market in Europe, in the third quarter of 2022,Â the Company decided to discontinue the operations of LumoÂ EnergiaÂ OyjÂ ("LumoÂ Finland") and LumoÂ EnergiÂ AB ("LumoÂ Sweden").Â The Company determined that the discontinuation of the operations of Lumo Finland and Lumo Sweden represented a strategic shift that would have a major effect on the Company's operations and financial statements. The Company accounts for these businesses as discontinued operations, and accordingly, presents the results of operations and related cash flows as discontinued operations. The results of operations and related cash flows are presented as discontinued operations for all periods. Any remaining assets and liabilities of the discontinued operations are presented separately and reflected within assets and liabilities from discontinued operations in the accompanying consolidated balance sheets as of June 30, 2024 and December 31, 2023.Â LumoÂ Sweden are continuing to liquidate their remaining receivables and settle any remaining liabilities. InÂ November 2022, LumoÂ Finland declared bankruptcy and the administration of LumoÂ Finland was transferred to an administrator (the "LumoÂ Administrators"). All assets and liabilities of LumoÂ Finland remain with LumoÂ Finland, in which Genie retains its equity ownership interest, however, the management and control of LumoÂ Finland were transferred to the LumoÂ Administrators. Since the Company lost control of the management of LumoÂ Finland in favor of the LumoÂ Administrators, the accounts of LumoÂ Finland were deconsolidatedÂ effectiveÂ November 9, 2022. Â Following the discontinuance of operations of LumoÂ Finland and LumoÂ Sweden, GRE International ceased to be a segment and the remaining assets and liabilities and results of continuing operations of GRE International were combined with corporate. Discontinued Operations in the United Kingdom InÂ October 2021, as part of the orderly exit process from the U.Â K. market, Orbit Energy Limited ("Orbit"), a REP owed by the Company that used to operate in United Kingdom, and Shell U.K. Limited ("Shell") agreed to terminate the exclusive supply contract between them. As part of the termination agreement, Orbit was required to unwind all physical forward hedges with Shell which resulted in net cash proceeds after settlement of all related liabilities with Shell.Â Following the termination of the contract with Shell, Orbit filed a petition with the High Court of Justice Business and Property of England and Wales (the â€œCourtâ€) to declare Orbit insolvent based on the Insolvency Act of 1986.Â OnÂ November 29, 2021, the Court declared Orbit insolvent, revoked Orbit's license to supply electricity and natural gas in the United Kingdom, ordered the current customers to be transferred to â€œsupplier of last resortâ€ and transferred the administration of Orbit to an administrator (the" Orbit Administrators") effective December 1, 2021.Â The Company determined that theÂ discontinued operations of Orbit represented a strategic shift that wouldÂ have a major effect on the Company's operations and financial statements. Since the appointmentÂ of the Orbit Administrators, the Company has accounted for these businesses as discontinued operations and accordingly, has presented the results of operations and related cash flows as discontinued operations. Since the Company lost control of the management of Orbit in favor of the Orbit Administrators, the accounts of Orbit were deconsolidated effective December 1, 2021. On November 21, 2023, the Court issued an order to cease the administration and revert the control of Orbit from the Orbit Administrators to the Company effective November 28, 2023. Following the Company regaining control of the management of Orbit, the accounts of Orbit are consolidated effectiveÂ November 28, 2023. Seasonality and Weather; Climate Change and Volatility in Pricing Â The weather and the seasons, among other things, affect GREâ€™sÂ revenues. Weather conditions have a significant impact on the demand for natural gas used for heating and electricity used for heating and cooling. Typically, colder winters increase demand for natural gas and electricity, and hotter summers increase demand for electricity. Milder winters or summers have the opposite effect. Unseasonable temperatures in other periods may also impact demand levels. Natural gas revenues typically increase in the first quarter due to increased heating demands and electricity revenues typically increase in the third quarter due to increased air conditioning use. Approximately 48.1% and 39.7% of GREâ€™s natural gas revenues for the relevant years were generated in the first quarters 2023Â and 2022, respectively, when demand for heating was highest.Â Although the demand for electricity is not as seasonal as natural gas (due, in part, to usage of electricity for both heating and cooling), approximatelyÂ 32.5%Â andÂ 30.5%Â ofÂ GREâ€™sÂ electricity revenues were generated in the third quarters ofÂ 2023Â andÂ 2022,Â respectively.Â GREâ€™s REPsâ€™ revenues and operating income are subject to material seasonal variations, and the interim financial results are not necessarily indicative of the estimated financial results for the full year. In addition to the direct physical impact that climate change may have on the Company's business, financial condition and results of operations because of the effect on pricing, demand for our offerings and/or the energy supply markets, we may also be adversely impacted by other environmental factors, including: (i) technological advances designed to promote energy efficiency and limit environmental impact; (ii) increased competition from alternative energy sources; (iii) regulatory responses aimed at decreasing greenhouse gas emissions; and (iv) litigation or regulatory actions that address the environmental impact of our energy products and services. X - DefinitionThe entire disclosure for the business description and basis of presentation concepts. Business description describes the nature and type of organization including but not limited to organizational structure as may be applicable to holding companies, parent and subsidiary relationships, business divisions, business units, business segments, affiliates and information about significant ownership of the reporting entity. Basis of presentation describes the underlying basis used to prepare the financial statements (for example, US Generally Accepted Accounting Principles, Other Comprehensive Basis of Accounting, IFRS). + ReferencesReference

1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 235 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/235/tableOfContentReference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 275 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/275/tableOfContentReference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/205/tableOfContent + Details Name: us-gaap_BusinessDescriptionAndBasisOfPresentationTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_OrganizationConsolidationAndPresentationOfFinancialStatementsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 22 R11.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Cash, Cash Equivalents, and Restricted Cash 6 Months Ended Jun. 30, 2024 Cash, Cash Equivalents, and Restricted Cash Â Cash, Cash Equivalents, and Restricted Cash Note 2â€”Cash, Cash Equivalents, and Restricted Cash Â The following table provides a reconciliation of cash, cash equivalents, and restricted cash reported in the consolidated balance sheet and the corresponding amounts reported in the consolidated statements of cash flows: Â June 30, 2024 Â Â December 31, 2023 Â (in thousands) Cash and cash equivalents $ 122,342 Â Â $ 107,609 Â Restricted cashâ€”short-term Â 9,178 Â Â Â 10,442 Â RestrictedÂ cashâ€”long-term 46,400 44,945 Total cash, cash equivalents, and restricted cash $ 177,920 Â Â $ 162,996 Â Â Restricted cashâ€”short-term includes amounts set aside in accordance with GRE's Amended and Restated Preferred Supplier Agreement with BP Energy Company (â€œBPâ€) (see Note 19),Â Credit Agreement with JPMorganÂ Chase (see Note 20) andÂ restricted for use in order to secure the current portion of the insured liability program (see Note 19). Restricted cashâ€”long-term consists of cash of aÂ wholly-owned captive insurance subsidiary (the "Captive"), which is restricted for use to secure the noncurrent portion of the insured liability program (see Note 19).Â Included in the cash and cash equivalents as of June 30, 2024 and December 31, 2023 is cash received from Lumo Sweden (see Note 5). X - ReferencesNo definition available. + Details Name: us-gaap_CashAndCashEquivalentsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for cash and cash equivalent footnotes, which may include the types of deposits and money market instruments, applicable carrying amounts, restricted amounts and compensating balance arrangements. Cash and equivalents include: (1) currency on hand (2) demand deposits with banks or financial institutions (3) other kinds of accounts that have the general characteristics of demand deposits (4) 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. Generally, only investments maturing within three months from the date of acquisition qualify. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap_CashAndCashEquivalentsDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 23 R12.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Inventories 6 Months Ended Jun. 30, 2024 Inventories Â Inventories Note 3â€”Inventories Â Inventories consisted of the following: Â June 30, 2024 December 31, 2023 Â (in thousands) Natural gas $ 737 $ 1,309 Â RenewableÂ credits Â 4,827 Â 12,105 Solar panels, net of a valuation allowance of $nil million and $0.8 million at June 30, 2024Â and December 31, 2023, respectively 73 1,184 Totals $ 5,637 $ 14,598 Â In theÂ six months ended June 30, 2024, the Company recorded an inventory valuation allowance of $0.4 million to the cost of revenues to write down the carrying value of solar panel inventories to the estimated net realizable value. There isÂ no inventory valuation allowance recorded for the three months ended June 30, 2024. The solar panel inventories are transferred to ongoing solar projects of Genie Solar together with the inventory valuation allowance in the prepaid assets and property and equipment accounts in the balance sheet. X - ReferencesNo definition available. + Details Name: us-gaap_InventoryDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for inventory. Includes, but is not limited to, the basis of stating inventory, the method of determining inventory cost, the classes of inventory, and the nature of the cost elements included in inventory. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 330 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/330/tableOfContent + Details Name: us-gaap_InventoryDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 24 R13.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Revenue Recognition 6 Months Ended Jun. 30, 2024 Revenue Recognition Â Revenue Recognition NoteÂ 4â€”Revenue Recognition Revenue from the single performance obligation to deliver a unit of electricity and/or natural gas is recognized as the customer simultaneously receives and consumes the benefit.Â Variable quantities in requirements contracts are considered to be options for additional goods and services because the customer has a current contractual right to choose the amount of additional distinct goods to purchase.Â GRE records unbilled revenues for the estimated amount customers will be billed for services rendered from the time meters were last read to the end of the respective accounting period. The unbilled revenue is estimated each month based on available per day usage data, the number of unbilled days in the period and historical trends. IncumbentÂ utility companies in most of the service territories in which GRE'sÂ REPsÂ operate offer purchase of receivables, or POR, and GREâ€™s REPs participate in POR programs for a majority of their receivables. The Company estimates variable consideration related to its rebate programs using the expected value method and a portfolio approach. The Companyâ€™s estimates related to rebate programs are based on the terms of the rebate program, the customerâ€™s historical electricity and natural gas consumption, the customerâ€™s rate plan, and a churn factor. Taxes that are imposed on the Companyâ€™s sales and collected from customers are excluded from the transaction price. Revenue from sales of solar panels are recognized at a point in time following the transfer of control of the solar panels to the customer, which typically occurs uponÂ shipment or delivery depending on the terms of the underlying contracts. For sales contracts that contain multiple performance obligations, such as the shipment orÂ delivery of solar modules, the Company allocates the transaction price to each performance obligation identified in the contract based on relative standalone selling prices, orÂ estimates of such prices, and recognize the related revenue as control of each individual product is transferred to the customer, in satisfaction of the correspondingÂ performance obligations. Revenues from sales of solar panels are included in other revenues in the consolidated statements of operations. Genie Solar enters into contracts to identify, develop, and in some cases operate solar generation sites to provide solar electricity to its customers. Obligations underÂ solar project contracts consist of a series ofÂ tasks and components and accordingly are accounted for as multiple performance obligations. Because the Companyâ€™s performance creates and enhances assets that are controlled by and specific to customers, the Company recognizes construction services revenue over time.Â Revenue for these performance obligations is recognized using the input method based on the cost incurred as a percentage of total estimated contract costs. Due to the significance of the costs associated with solar panels to the total project, our judgment on when such costs should be included in the measure of progress has a material impact on revenue recognition. Contract costs include all direct material and labor costs related to contract performance. Revenues from sales of solar panels and solar panel projects are included under the Other Revenues in the consolidated statements ofÂ operations. Energy generation revenue is earned from both the sale of electricity generated from operating solar projects and the sale of Solar Energy Credits ("SRECs") which are included in the Other Revenues in the consolidated statement of operations. Revenue from energy generation is recognized when the Company satisfies the performance obligation, which occurs at the time of the delivery of electricity at the contractual rates. The Company applies for and receivesÂ SRECsÂ in certain jurisdictions for power generated by solar energy systems it owns. There are no direct costs allocated toÂ SRECsÂ upon generation. The Company typically sells SRECs to different customers from those purchasing the energy. The sale of each SREC is a distinct performance obligation satisfied at a point in time and that the performance obligation related to each SREC is satisfied when each SREC is delivered to the customer. Revenues from commissions from selling third-party products to customers, entry and other fees from the energy brokerage are recognized at the time the performance obligation is met. The Company's contacts with customers for commission revenue contain a single performance obligation and are satisfied at a point in time. Â The Company recognizes the incremental costs of obtaining a contract with a customer as an asset if it expects the benefit of those costs to be longer than one year. The Company determined that certain sales commissions to acquire customers meet the requirements to be capitalized. For GRE, the Company applies a practical expedient to expense costs as incurred for sales commissions to acquire customers as the period would have been one year or less. Disaggregated Revenues Â The following table shows the Companyâ€™s revenues disaggregated by pricing plans offered to customers: Â Â Electricity Natural Gas Other Total (in thousands) Three Months Ended June 30, 2024 Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Fixed rate Â $ 47,207 Â Â $ 3,295 Â Â $ â€” Â Â $ 50,502 Â Variable rate Â Â 31,094 Â Â Â 5,119 Â Â Â â€” Â Ã Â 36,213 Â Other Â Â â€” Â Â Â â€” Â Â Â 3,981 Â Â Â 3,981 Â Total Â $ 78,301 Â Â $ 8,414 Â Â $ 3,981 Â Â $ 90,696 Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Three Months Ended June 30, 2023 Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Fixed rate Â $ 47,625 Â Â $ 2,983 Â Â $ â€” Â Â $ 50,608 Â Variable rate Â Â 32,574 Â Â Â 5,992 Â Â Â â€” Â Â 38,566 Â Other Â Â â€” Â Â Â â€” Â Â Â 4,289 Â Â Â 4,289 Â Total Â $ 80,199 Â Â $ 8,975 Â Â $ 4,289 Â Â $ 93,463 Â Six Months Ended June 30, 2024 Fixed rate $ 99,303 $ 10,724 $ â€” $ 110,027 Variable rate 68,394 20,088 â€” 88,482 Other â€” â€” 11,875 11,875 Total $ 167,697 $ 30,812 $ 11,875 $ 210,384 Six Months Ended June 30, 2023 Fixed rate $ 77,130 $ 8,598 $ â€” $ 85,728 Variable rate 77,556 27,302 â€” 104,858 Other â€” â€” 8,153 8,153 Total $ 154,686 $ 35,900 $ 8,153 $ 198,739 Fixed and variable rate revenues are from GRE. Other revenues are revenues from Genie Renewables which includes revenues from solar panels, solar projects and energy generation by Genie Solar, commissions from marketing energy solutions by CityComÂ Solar and Diversegy. Â The following table shows the Companyâ€™s revenues disaggregated by non-commercial and commercial channels: Â Â Â Electricity Â Â Natural Gas Â Â Other Â Â Total Â (in thousands) Three Months Ended June 30, 2024 Â Non-Commercial Channel Â $ 72,759 Â Â $ 2,784 Â Â $ â€” Â Â $ 75,543 Â Commercial Channel Â Â 5,542 Â Â Â Â 5,630 Â Â Â Â â€” Â Â Â Â 11,172 Â Other Â Â â€” Â Â Â Â â€” Â Â Â Â 3,981 Â Â Â Â 3,981 Â Total Â $ 78,301 Â Â $ 8,414 Â Â $ 3,981 Â Â $ 90,696 Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Three Months Ended June 30, 2023 Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Non-Commercial Channel Â $ 65,332 Â Â $ 5,939 Â Â $ â€” Â Â $ 71,271 Â Commercial Channel Â Â 14,867 Â Â Â Â 3,036 Â Â Â Â â€” Â Â Â Â 17,903 Â Other Â Â â€” Â Â Â Â â€” Â Â Â Â 4,289 Â Â Â Â 4,289 Â Total Â $ 80,199 Â Â $ 8,975 Â Â $ 4,289 Â Â $ 93,463 Â Six Months Ended June 30, 2024 Non-Commercial Channel $ 155,701 $ 22,551 $ â€” $ 178,252 Commercial Channel 11,996 8,261 â€” 20,257 Other â€” â€” 11,875 11,875 Total $ 167,697 $ 30,812 $ 11,875 $ 210,384 Six Months Ended June 30, 2023 Non-Commercial Channel $ 125,454 $ 26,721 $ â€” $ 152,175 Commercial Channel 29,232 9,179 â€” 38,411 Other â€” â€” 8,153 8,153 Total $ 154,686 $ 35,900 $ 8,153 $ 198,739 Contract liabilities Certain revenue generating contracts at Renewables include provisions that require advance payment from customers. These advance payments are recognized as revenue as the Company satisfies the performance obligations to the other party. A portion of the transaction price allocated to the performance obligations to be satisfied in future periods is recognized as a contract liability. Contract liabilities are included in other current liabilities account in the consolidated balance sheet. The table below reconciles the change in the carrying amount of contract liabilities: Â Six Months Ended June 30, 2024 2023 Â (in thousands) Contract liability, beginning $ 5,582 $ 1,759 Â Recognition of revenue included in the beginning of the year contract liability (3,691) (736) Additions during the period, net of revenue recognized during the period 2,117 1,714 Contract liability, end $ 4,008 $ 2,737 Â Allowance for doubtful accounts The change in the allowance for doubtful accounts was as follows: Â Â Six Months Ended June 30, 2024 2023 Â (in thousands) Allowance for doubtful accounts, beginning $ 6,574 $ 4,826 Â Additions charged to expense 1,210 1,372 Other deductions (435) â€” Allowance for doubtful accounts, end $ 7,349 $ 6,198 X - ReferencesNo definition available. + Details Name: us-gaap_RevenueFromContractWithCustomerAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure of revenue from contract with customer to transfer good or service and to transfer nonfinancial asset. Includes, but is not limited to, disaggregation of revenue, credit loss recognized from contract with customer, judgment and change in judgment related to contract with customer, and asset recognized from cost incurred to obtain or fulfill contract with customer. Excludes insurance and lease contracts. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-9Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-15Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-13Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Topic 606 -Publisher FASB -URI https://asc.fasb.org/606/tableOfContent + Details Name: us-gaap_RevenueFromContractWithCustomerTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 25 R14.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Acquisitions and Discontinued Operations 6 Months Ended Jun. 30, 2024 Acquisitions and Discontinued Operations Â Acquisitions and Discontinued Operations Note 5â€”Acquisitions and Discontinued Operations Consolidation of Roded In December 2022, the Company, entered into an investment agreement with RodedÂ RecyclingÂ Industries Ltd. ("Roded") and its current owners to acquire a 45.0% noncontrolling interest in RodedÂ for New Israel ShekelÂ ("NIS")5.0 million (equivalent to $1.5 million at the date of the transaction). RodedÂ is engaged in developing a process to recycle used plastic materials into usable industrial products.Â The Company accounts for its ownership interest in Roded using the equity method. From December 2022 to April 2024, the Company contributed an aggregate of $0.4 million gradually increasing its interest inÂ RodedÂ to a 51.2% controlling interest on April 12, 2024.Â Prior to April 12, 2024, the net book value of the Company's investment in Roded was $1.3 million. Following the

transaction, the Company has control over the activities of Roded. The Company recorded a minimal revenue for Roded in its consolidated statements of operations and comprehensive income for three and six months ended June 30, 2024. The net income or loss attributable to this acquisition cannot be identified on a stand-alone basis because it is in the process of being integrated into the Company's operations. The Company conducted a preliminary assessment of assets and liabilities related to the acquisition ofÂ Roded. The impact of the acquisition's purchase price allocations on the Companyâ€™s consolidated balance sheet and the acquisition date fair value of the total consideration transferred were as follows (amounts in thousands): Cash and other current liabilities $ 200 Â Property, plant and equipment (1 to 10-year useful life) 573 Goodwill 2,660 Liabilities (850) Noncontrolling interest (1,243) Net assets $ 1,340 Goodwill was allocated to the Renewables segment. Goodwill is the excess of the consideration transferred over the net assets recognized and represents the expected revenue and cost synergies of the combined company and assembled workforce. Goodwill recognized as a result of the acquisition is not deductible for income tax purposes. Acquisition of Solar System Facilities OnÂ November 3, 2023, the Company acquiredÂ tenÂ special-purpose entities that own and operate solar system facilities in Ohio and Michigan. The Company paid a total of $7.5Â million, including $1.0Â million held in escrow which was released in June 2024. The acquisition has been accounted for as asset acquisition and the Company recorded $7.7 million in total purchase price, including $0.2 million of direct transaction costs allocated to solar array assets included in the property and equipment account in the consolidated balance sheet with estimated useful lives ofÂ 14 to 30 years. OnÂ November 3, 2023, the Company also signed an agreement to purchase from the sellers another special purpose entity that owned and operated a solar system facility in Indiana, for $1.3Â million, subject to the satisfaction of certain closing conditions. In February 2024, the purchase of the solar system facility in Indiana was completed.Â The acquisition has been accounted for as asset acquisitionÂ and the Company recorded $1.3Â million to solar array assets included in the property and equipment account in the consolidated balance sheet with estimated useful lives ofÂ 30Â years. The acquired assets are allocated to theÂ RenewablesÂ segment. LumoÂ Finland and LumoÂ Sweden Operations As a result of the sustained volatility of the energy market in Europe, in the third quarter of 2022, the Company decided to discontinue the operations ofÂ Lumo Finland and Lumo Sweden. From July 13, 2022 to July 19, 2022, the Company entered into a series of transactions to sell most of the electricity swap instruments held by Lumo Sweden. The sale price has been fixed and is expected to continue to be settled monthly based on the monthly commodity volume specified in the instruments from September 2022 to March 2025. The Company determined that the discontinuation of operations ofÂ LumoÂ Finland and LumoÂ Sweden represented a strategic shift that would have a major effect on the Company's operations and financial statements and accordingly, the results of operations and related cash flows are presented as discontinued operations for all periods presented. The assets and liabilities of the discontinued operations are presented separately and reflected within assets and liabilities from discontinued operations in the accompanying consolidated balance sheets as of June 30, 2024 and December 31, 2023. LumoÂ Sweden is continuing to liquidate its remaining receivables and to settle any remaining liabilities.Â Â In November 2022, Lumo Finland declared bankruptcy and the administration of Lumo Finland was transferred to the LumoÂ Administrators. All assets and liabilities of Lumo Finland remain with Lumo Finland, in which Genie retains its equity ownership interest, however, the management and control of Lumo Finland were transferred to the Lumo Administrators. Since the Company lost control of the management of Lumo Finland in favor of the Lumo Administrators, the accounts of Lumo Finland were deconsolidated effective November 9, 2022. The following table represents summarized balance sheet information of assets and liabilities of the discontinued operations ofÂ LumoÂ Sweden: Â June 30, 2024 Â Â December 31, 2023 (in thousands) Assets Â Â Â Â Â Â Cash Â $ 1,281 Â Â $ 2,483 Â Receivables from the settlement of derivative contractâ€”current Â Â 5,799 Â Â Â 10,699 Â Current assets of discontinued operations Â $ 7,080 Â Â $ 13,182 Â Receivables from the settlement of derivative contractâ€”noncurrent $ â€” $ 2,362 Other noncurrent assets 4,295 5,078 Noncurrent assets of discontinued operations $ 4,295 $ 7,440 LiabilitiesÂ Â Â Â Â Â Â Â Â Â Income taxes payable 2,039 1,399 Accounts payable and other current liabilities Â Â 31 Â Â 91 Current liabilities of discontinued operations Â $ 2,070 Â Â $ 1,490 Â Deferred tax liabilities 678 698 Noncurrent liabilities of discontinued operations $ 678 $ 698 The summary of the results of operations of the discontinued operations of LumoÂ Sweden were as follows: Â Â Three Months Ended June 30, Six Months Ended June 30, Â 2024 2023 2024 2023 Â (in thousands) Income from operations $ â€” $ â€” $ â€” $ â€” Other income, net 60 946 (503) 1,196 Income before income taxes 60 946 (503) 1,196 Provision for income taxes 85 (337) 93 (405) Net loss from discontinued operations, net of taxes $ 145 $ 609 $ (410) $ 791 Income before income taxesÂ attributable to Genie Energy Ltd. $ 60 $ 946 $ (503) $ 1,196 Â The following table presents a summary of cash flows of the discontinued operationsÂ ofÂ LumoÂ Sweden: Â Six Months Ended June 30, Â 2024 2023 Â (in thousands) Net (loss) income $ (410) $ 791 Non-cash items 398 (1,198) Changes in assets and liabilities 6,964 16,078 Cash flows provided by operating activities of discontinued operations $ 6,952 $ 15,671 Prior to being treated as discontinued operations or being deconsolidated, the assets and liabilities of LumoÂ Finland and LumoÂ Sweden were included in GRE International segment. On November 8, 2023, the Lumo Administrators, acting on behalf of the Bankruptcy Estate, filed a claim in the District Court of Helsinki against Genie Nordic, a wholly owned subsidiary of the Company and the parent company of LumoÂ Finland, its directors, officers and affiliates, in which it alleges that the gain from the sale of swap instruments owned by LumoÂ Sweden amounting to â‚¬35.2Â million (equivalent to $37.8 million as of June 30, 2024) belongs to the Bankruptcy Estate. The Bankruptcy Estate filed an additional claim with the District Court on May 27, 2024 against LumoÂ Sweden for â‚¬4.8 million (equivalent to $5.2 million as of June 30, 2024), also alleging that the gain from the sale of the swap instruments belongs to the BankruptcyÂ Estate, bringing the aggregate sum of claims related to the gain from sale of swap instruments toÂ â‚¬40.0 million (equivalent to $43.0 million as of June 30, 2024).Â The Company believes that the Lumo Administrators' position is without merit, and it intends to vigorously defend its position. Genie was also notified that the Lumo Administrators filed a claim against one of Lumo Finlandâ€™s suppliers, seeking to recover payments made by Lumo Finland amounting toÂ â‚¬4.2 million (equivalent to $4.5 million as of June 30, 2024) prior to the bankruptcy. Related to such payment, the Lumo Administrators haveÂ filed a recovery claim jointly against the Company and the supplier for â‚¬1.6 million (equivalent to $1.7 million as of June 30, 2024) alleging that a portion of the payment by LumoÂ Finland effectively reduced the Company's liability under the terms of a previously supplied parental guarantee (this â‚¬1.6 million is included within and not additive to the â‚¬4.2 million).Â The Lumo Administrators allege that the payments represented preferential payments and therefore belong to the bankruptcy estate which are recoverable under the laws of Finland. The Company intends to challenge the Lumo Administrators' claims.Â Should the Lumo Administrators succeed in clawing back the funds from the supplier, it is possible that the supplier may seek to recover its losses against the Company, under terms of the parental guarantee.Â At this time,Â there is insufficient basis to assess an amount of any probable loss. U.K.Â Operations In the third quarter of 2021, the natural gas and energy market in the United Kingdom deteriorated which prompted the Company to start the process of orderly withdrawal from the United Kingdom. In October 2021, as part of the orderly exit process, Orbit and Shell agreed to terminate the exclusive supply contract between them. As part of the termination agreement, Orbit was required to unwind all physical forward hedges with Shell which resulted in net cash proceeds after settlement of all related liabilities with Shell.Â Â Following the termination of the contract with Shell, Orbit filed a petition with the High Court of Justice Business and Property of England and Wales (the â€œCourtâ€) to declare Orbit insolvent based on the Insolvency Act of 1986.Â On November 29, 2021, the Court declared Orbit insolvent, revoked Orbit's license to supply electricity and natural gas in the United Kingdom, ordered the current customers to be transferred to â€œsupplier of last resortâ€ and transfer the administration of Orbit to Orbit Administrators effective December 1, 2021, which transfer was effective December 1, 2021. All assets and liabilities of Orbit, including cash and receivables remained with Orbit and the management and control of which was transferred to Orbit Administrators.Â As a result of loss of control, the CompanyÂ deconsolidatedÂ Orbit effective December 1, 2021 and estimated the remaining liability related to its ownership of Orbit. The Company determined that the discontinued operations of Orbit represented a strategic shift that would have a major effect on the Company's operations and financial statements and accordingly, the results of operations and related cash flows are presented as discontinued operations effective December 1, 2021. OnÂ November 21, 2023, the Court issued an order to cease the administration and revert the control of Orbit from the Orbit Administrators to the Company effectiveÂ November 28, 2023. Following the Company regaining control of the management of Orbit, the accounts of Orbit were reconsolidated effectiveÂ November 28, 2023.Â In 2023, the Orbit Administrators paid the Company a return of its interest in Orbit of Â£18.8Â million (equivalent to $23.7 million on the dates of transfer). There wasÂ no income or loss from discontinued operations recognized in the three andÂ six months ended June 30, 2024.Â In the three andÂ six months ended June 30, 2023, the Company recognized income from discontinued operation, net of taxes of $2.6 million and $5.4 million, respectively, mainly from theÂ increases in the estimated value of our investments in Orbit due to a change in estimated net assets of Orbit after the expected settlementÂ of the liabilities by the Orbit Administrators.Â Prior to being treated as discontinued operations and deconsolidation, the assets and liabilities of Orbit were included in the Company's former GRE International segment. X - ReferencesNo definition available. + Details Name: us-gaap_DiscontinuedOperationsAndDisposalGroupsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure related to a disposal group. Includes, but is not limited to, a discontinued operation, disposal classified as held-for-sale or disposed of by means other than sale or disposal of an individually significant component. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/205-20/tableOfContentReference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/360/tableOfContent + Details Name: us-gaap_DisposalGroupsIncludingDiscontinuedOperationsDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 26 R15.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Fair Value Measurements 6 Months Ended Jun. 30, 2024 Fair Value Measurements Â Fair Value Measurements Note 6â€”Fair Value Measurements The following table presents the balance of assets and liabilities measured at fair value on a recurring basis: Level 1 (1) Level 2 (2) Level 3 (3) Total (in thousands) June 30, 2024 Assets: Marketable equity securities $ 344 $ â€” $ â€” $ 344 Derivative contracts $ 750 $ â€” $ â€” $ 750 Liabilities: Derivative contracts $ 592 $ â€” $ â€” $ 592 December 31, 2023 Assets: Marketable equity securities $ 396 $ â€” $ â€” $ 396 Derivative contracts $ 673 $ â€” $ â€” $ 673 Liabilities: Derivative contracts $ 1,724 $ â€” $ â€” $ 1,724 (1) â€“ quoted prices in active markets for identical assets or liabilities (2) â€“ observable inputs other than quoted prices in active markets for identical assets and liabilities (3) â€“ no observable pricing inputs in the market The Companyâ€™s derivative contracts consist of natural gas and electricity put and call options and swaps. The underlying asset in the Companyâ€™s put and call options is a forward contract. The Companyâ€™s swaps are agreements whereby a floating (or market or spot) price is exchanged for a fixed price over a specified period. The Company did not have any transfers of assets or liabilities between Level 1, Level 2 or Level 3 of the fair value measurement hierarchy during the three months ended June 30, 2024 or 2023. Fair Value of Other Financial Instruments The estimated fair value of the Companyâ€™s other financial instruments was determined using available market information or other appropriate valuation methodologies. However, considerable judgment is required in interpreting this data to develop estimates of fair value. Consequently, the estimates are not necessarily indicative of the amounts that could be realized or would be paid in a current market exchange. Restricted cashâ€”short-term, trade receivables, due to IDT Corporation, other current assets and other current liabilities. At June 30, 2024 and December 31, 2023, the carrying amounts of these assets and liabilities approximated fair value. The fair value estimate for restricted cashâ€”short-term was classified as Level 1. The carrying value of other current assets, due to IDT Corporation, and other current liabilities approximated fair value. Other assets. At June 30, 2024 and December 31, 2023, other assets included notes receivable. At June 30, 2024, the carrying amount of the notes receivable approximated fair value. The fair values were estimated based on the Companyâ€™s assumptions, and were classified as Level 3 of the fair value hierarchy. The primary non-recurring fair value estimates typically are in the context of goodwill impairment testing, which involves Level 3 inputs, and asset impairments (Note 10) which utilize Level 3 inputs. Concentration of Credit Risks The Company holds cash, cash equivalents, and restricted cash at several major financial institutions, which may exceed Federal Deposit Insurance Corporation insured limits. Historically, the Company has not experienced any losses due to such concentration of credit risk. The Companyâ€™s temporary cash investments policy is to limit the dollar amount of investments with any one financial institution and monitor the credit ratings of those institutions. While the Company may be exposed to credit losses due to the nonperformance of the holders of its deposits, the Company does not expect the settlement of these transactions to have a material effect on its results of operations, cash flows or financial condition. The following table summarizes the percentage of consolidated trade receivable by customers that equal or exceed 10.0% of consolidated net trade receivables at June 30, 2024 and December 31, 2023 (no other single customer accounted for 10.0% or greater of our consolidated net trade receivable as June 30, 2024 or December 31, 2023): June 30, 2024 December 31, 2023 Customer A 20.7 % 21.4 % The following table summarizes the percentage of revenues by customers that equal or exceed 10.0% of consolidated revenues for the three and six months ended June 30, 2024 and 2023 (no other single customer accounted for 10.0% or greater of our consolidated revenues in these periods): Three Months Ended June 30, Six Months Ended June 30, 2024 2023 2024 2023 Customer A 23.0 % 18.7 % 22.4 % 13.2 % Customer B 10.0 na na na naâ€”less than 10.0% of consolidated revenue in the period X - ReferencesNo definition available. + Details Name: us-gaap_FairValueDisclosuresAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for the fair value of financial instruments (as defined), including financial assets and financial liabilities (collectively, as defined), and the measurements of those instruments as well as disclosures related to the fair value of non-financial assets and liabilities. Such disclosures about the financial instruments, assets, and liabilities would include: (1) the fair value of the required items together with their carrying amounts (as appropriate); (2) for items for which it is not practicable to estimate fair value, disclosure would include: (a) information pertinent to estimating fair value (including, carrying amount, effective interest rate, and maturity, and (b) the reasons why it is not practicable to estimate fair value; (3) significant concentrations of credit risk including: (a) information about the activity, region, or economic characteristics identifying a concentration, (b) the maximum amount of loss the entity is exposed to based on the gross fair value of the related item, (c) policy for requiring collateral or other security and information as to accessing such collateral or security, and (d) the nature and brief description of such collateral or security; (4) quantitative information about market risks and how such risks are managed; (5) for items measured on both a recurring and nonrecurring basis information regarding the inputs used to develop the fair value measurement; and (6) for items presented in the financial statement for which fair value measurement is elected: (a) information necessary to understand the reasons for the election, (b) discussion of the effect of fair value changes on earnings, (c) a description of [similar groups] items for which the election is made and the relation thereof to the balance sheet, the aggregate carrying value of items included in the balance sheet that are not eligible for the election; (7) all other required (as defined) and desired information. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 107 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-107Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 100 -Publisher FASB -URI

https://asc.fasb.org/1943274/2147482078/820-10-55-100Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-6AReference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2E -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2EReference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6A -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-6AReference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6A -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-6AReference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6A -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-6AReference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6A -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-6AReference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 940 -SubTopic 820 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478119/940-820-50-1 + Details Name: us-gaap_FairValueDisclosuresTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 27 R16.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Derivative Instruments 6 Months Ended Jun. 30, 2024 Derivative Instruments Â Derivative Instruments Note 7â€”Derivative Instruments The primary risk managed by the Company using derivative instruments is commodity price risk, which is accounted for in accordance with Accounting Standards Codification 815 â€” Derivatives and Hedging. Natural gas and electricity put and call options and swaps are entered into as hedges against unfavorable fluctuations in market prices of natural gas and electricity. The Company does not apply hedge accounting to these options or swaps, therefore the changes in fair value are recorded in earnings. By using derivative instruments to mitigate exposures to changes in commodity prices, the Company exposes itself to credit risk and market risk. Credit risk is the failure of the counterparty to perform under the terms of the derivative contract. When the fair value of a derivative contract is positive, the counterparty owes the Company, which creates credit risk. The Company minimizes the credit or repayment risk in derivative instruments by entering into transactions with high-quality counterparties. At June 30, 2024, GREâ€™s swaps and options were traded on the Intercontinental Exchange. The summarized volume of GREâ€™s outstanding contracts and options at June 30, 2024 was as follows (MWh â€“ Megawatt hour and Dth â€“ Decatherm): Settlement Dates Volume Electricity (in MWH) Gas (in Dth) Third quarter of 2024 41,712 155,000 Fourth quarter of 2024 â€” â€” First quarter of 2025 â€” 225,000 Second quarter of 2025 â€” 227,500 Third quarter of 2025 â€” 230,000 Fourth quarter of 2025 â€” 230,000 First quarter of 2026 â€” â€” Second quarter of 2026 â€” â€” Third quarter of 2026 3,520 â€” The fair value of outstanding derivative instruments recorded in the accompanying consolidated balance sheets were as follows: Asset Derivatives Balance Sheet Location June 30,2024 December 31, 2023 (in thousands) Derivatives not designated or not qualifying as hedging instruments: Energy contracts and options1 Other current assets $ 444 $ 321 Energy contracts and options Other assets 306 352 Total derivatives not designated or not qualifying as hedging instruments â€” Assets $ 750 $ 673 Liability Derivatives Balance Sheet Location June 30, 2024 December 31, 2023 (in thousands) Derivatives not designated or not qualifying as hedging instruments: Energy contracts and options1 Other current liabilities $ 592 $ 1,716 Energy contracts and options Other liabilities â€” 8 Total derivatives not designated or not qualifying as hedging instruments â€” Liabilities $ 592 $ 1,724 (1) The Company classifies derivative assets and liabilities as current based on the cash flows expected to be incurred within the following 12 months. The effects of derivative instruments on the consolidated statements of operations was as follows: Amount of Loss Recognized on Derivatives Derivatives not designated or not qualifying as Location of Gain Recognized Three Months Ended June 30, Six Months Ended June 30, hedging instruments on Derivatives 2024 2023 2024 2023 (in thousands) (in thousands) Energy contracts and options Cost of revenues $ 8,404 $ 5,954 $ 13,936 $ 17,129 X - ReferencesNo definition available. + Details Name: us-gaap_DerivativeInstrumentsAndHedgingActivitiesDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for derivative instruments and hedging activities including, but not limited to, risk management strategies, non-hedging derivative instruments, assets, liabilities, revenue and expenses, and methodologies and assumptions used in determining the amounts. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480237/815-40-50-5Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-5CReference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 815 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/815/tableOfContent + Details Name: us-gaap_DerivativeInstrumentsAndHedgingActivitiesDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 28 R17.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Other Assets 6 Months Ended Jun. 30, 2024 Other Assets Â Other Assets Note 8â€”Other Assets Â Other assets consisted of the following:Â Â June 30, 2024 Â December 31, 2023 Â (in thousands) Security deposit Â $ 7,282 Â Â $ 7,950 Â Right-of-use assets, net of amortization Â Â 1,828 Â Â Â 2,138 Â Investments in equity securities 3,834 2,605 Fair value of derivative contractsâ€”noncurrentÂ 307 352 Other assets Â Â 2,057 Â Â Â Â 2,202 Â Total other assets $ 15,308 Â Â $ 15,247 Â X - DefinitionThe entire disclosure for other non-current assets. + ReferencesNo definition available. + Details Name: gne_OtherNonCurrentAssetsDisclosureTextBlock Namespace Prefix: gne_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_DeferredCostsCapitalizedPrepaidAndOtherAssetsDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 29 R18.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Investments 6 Months Ended Jun. 30, 2024 Investment in Equity Method Investees [Abstract] Â Investments Note 9â€”Investments Investments in businesses that the Company does not control, but in which the Company has the ability to exercise significant influence over operating and financial matters, are accounted for using the equity method. The Company periodically evaluates its equity method investments for impairment due to declines considered to be other than temporary. If the Company determines that a decline in fair value is other than temporary, then a charge to earnings is recorded, and a new basis in the investment is established. For equity securities without readily determinable fair values, the Company elected to measures the investments using net assets value, as a practical expedient.Â These investments are valued based on the most recent available information. In determining the value of the investment, the Company considers whether adjustments to the net asset values are necessary in certain circumstances in which management is aware of material events that affect the value of the investments during the intervening period.Â Changes in fair value are recognized in â€œgain (loss) on marketable equity securities and investments â€ on our consolidated statements of operations. For equity securities that do not have a readily determinable fair value and do not reportÂ net asset value. These investments are accounted for using a measurement alternative under which they are measured at cost and adjusted for observable price changes and impairments. Observable price changes result from, among other things, equity transactions for the same issuer executed during the reporting period, including subsequent equity offerings or other reported equity transactions related to the same issuer.Â Equity investments consist of the following: Â Location in Balance Sheet Measurement June 30, 2024 December 31, 2023 (in thousands) Rafael Holdings, Inc. Marketable equity securities Quoted market price $ 344 $ 396 Alternative investmentsâ€”restrictedÂ (see Note 19) Other current assets Net asset value $ 2,258 $ â€” Alternative investmentsâ€”unrestrictedÂ Other current assets Cost 2,150 3,801 Total included in other current assets $ 4,408 $ 3,801 PRI Fuel SupplyÂ Ltd. Other noncurrent assets Equity method $ 324 $ â€” CPP Genie Community Solar Other noncurrent assets Equity method 275 303 RodedÂ (see Note 4) Other noncurrent assets Equity method â€” 1,268 Alternative investmentsâ€”restrictedÂ (see Note 19) Other noncurrent assets Net assets value 935 â€” Alternative investmentsâ€”unrestricted Other noncurrent assets Cost 2,300 1,034 Total included in other noncurrent assets $ 3,834 $ 2,605 Restricted investments are investments in equity securities owned and managed by the Captive. The changes in the carrying values of the Company's equity investments without readily determinable fair values for which the Company elected the measurement alternative were as follows: Six Months Ended June 30, 2024 2023 (in thousands) Balance, beginning of period Â $ 4,835 Â Â $ 3,178 Purchase Â Â 3,025 Â Â Â â€” Gain (loss) recognized during the period 365 13 Distribution Â Â (582) Â Â â€” Balance, end of period $ 7,643 $ 3,191 X - ReferencesNo definition available. + Details Name: us-gaap_EquityMethodInvestmentsAndJointVenturesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for equity method investments and joint ventures. Equity method investments are investments that give the investor the ability to exercise significant influence over the operating and financial policies of an investee. Joint ventures are entities owned and operated by a small group of businesses as a separate and specific business or project for the mutual benefit of the members of the group. + ReferencesReference 1: http://www.xbrl.org/2003/role/recommendedDisclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478156/740-323-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Topic 323 -Publisher FASB -URI https://asc.fasb.org/323/tableOfContent + Details Name: us-gaap_EquityMethodInvestmentsDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 30 R19.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Goodwill and Other Intangible Assets 6 Months Ended Jun. 30, 2024 Goodwill and Other Intangible Assets Â Goodwill and Other Intangible Assets Note 10â€”Goodwill and Other Intangible Assets Â The table below reconciles the change in the carrying amount of goodwill for the period from January 1, 2024 to June 30, 2024:Â Â Â Â GRE Genie Renewables Total (in thousands) Balance at January 1, 2024 Â $Â 9,998 $ â€” $ 9,998 Consolidation of Roded â€” 2,660 2,660 Balance at June 30, 2024Â Â $ 9,998 $ 2,660 $ 12,658 Â The table below presents information on the Companyâ€™s other intangible assets:Â Â Â Â Â Weighted Average Amortization Period Â Â Gross Carrying Amount Â Â Accumulated Amortization Â Â Net Balance Â (in thousands) June 30, 2024 Â Â Â Â Â

rate based on information available at the lease commencement date. ROU assets also include any prepaid lease payments and lease incentives. The lease terms include periods under options to extend or terminate the lease when it is reasonably certain that we will exercise that option. The Company uses the base, non-cancelable, lease term when determining the lease assets and liabilities. Operating lease expense is recognized on a straight-line basis over the lease term. Â Â Â June 30, 2024 Â December 31, 2023 (in thousands) ROU Assets $ 1,828 $ 2,138 Current portion of operating lease liabilities 185 309 Noncurrent portion of operating lease liabilities 1,743 1,952 Total Â $Â 1,928 Â $ 2,261 AtÂ June 30, 2024, the weighted average remaining lease term wasÂ 14.8Â years and the weighted average discount rate is 6.3%. Supplemental cash flow information for ROU assets and operating lease liabilities are as follows: Â Six Months Ended June 30, 2024 2023 Cash paid for amounts included in the measurement of lease liabilities: (in thousands) Operating cash flows from operating activities $ 300 $ 331 ROU assets obtained in the exchange for lease liabilities Operating leases $ â€” $ 237 Future lease payments under operating leases as of June 30, 2024 were as follows: Â (in thousands) Remainder of 2024 Â $ 172 Â 2025 306 2026 301 2027 306 2028 312 ThereafterÂ 2,241 Total future lease payments 3,638 Less imputed interest 1,710 Total operating lease liabilities Â $ 1,928 Â Rental expenses under operating leases wereÂ $0.2 million andÂ $0.3Â million for the three and six months endedÂ June 30, 2024.Â Rental expenses under operating leases wereÂ $0.2Â million andÂ $0.3Â millionÂ for each of theÂ three and sixÂ months endedÂ June 30, 2023. X - ReferencesNo definition available. + Details Name: us-gaap_LeasesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for operating leases of lessee. Includes, but is not limited to, description of operating lease and maturity analysis of operating lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/842-20/tableOfContent + Details Name: us-gaap_LesseeOperatingLeasesTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 33 R22.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Equity 6 Months Ended Jun. 30, 2024 Equity Â Equity Note 13â€”EquityÂ Â Dividend Payments Â The following table summarizes the quarterly dividends declared and paid by the Company on its Class A and Class B common stock during the six months ended June 30, 2024Â (in thousands, except per share amounts): Â Â Declaration Date Â Dividend Per Share Â Â Aggregate Dividend Amount Â Â Record Date Â Payment Date February 8, 2024 $ 0.0750 $ 2,121 February 20, 2024 February 28, 2024 May 2, 2024 0.0750 2,031 May 20, 2024 May 31, 2024 On August 1, 2024, the Companyâ€™s Board of Directors declared a quarterly dividend of $0.0750 per share on its Class A common stock and Class B common stock for the first quarter of 2024. The dividend will be paid on or about August 21, 2024Â to stockholders of record as of the close of business on August 14, 2024. Stock Repurchases and Redemption; Treasury Shares Â On March 11, 2013, the Board of Directors of the Company approved a program for the repurchase of up to an aggregate of 7.0 million shares of the Companyâ€™s ClassÂ B common stock.Â In theÂ three months ended June 30, 2024, the Company acquired 118,758Â Class B common stock under the stock purchase program for an aggregate amount of $1.8 million.Â In theÂ six months ended June 30, 2024, the Company acquiredÂ 368,758Â Class B common stock under the stock purchase program for an aggregate amount of $5.9Â million.Â There wereÂ noÂ purchases under this program in theÂ three and sixÂ months endedÂ June 30, 2023.Â AtÂ June 30, 2024, 4.3 million shares of Class B common stock remained available for repurchase under the stock repurchase program. As of June 30, 2024 and December 31, 2023, there were 3.5Â million and 2.9 million outstanding shares of Class B common stock held in the Company'sÂ treasury, respectively, with a cost basis of $31.8 million and $22.7 million, respectively, at a weighted average cost per share of $9.18Â and $7.75, respectively. On February 7, 2022, the Board of Directors of the Company authorized a program to redeem, beginning, in the second quarter of 2033, up to $1.0 million per quarter of the Company's Preferred Stock at the liquidation preference of $8.50 per share. In 2023Â and 2022, the Company redeemed and aggregate ofÂ Â 2,322,726Â shares of Preferred Stock at the liquidation preference of $8.50 for an aggregate amount of $19.8Â million.Â Following the redemption, there are no shares of Preferred Stock outstanding, all rights of Preferred Stockholders have terminated, and the Preferred Stockâ€™s ticker symbol, "GNEPRA", has been retired. Exercise of Stock Options In February 2024, Howard S. Jonas exercised options to purchase 126,176 shares of Class B common stock through a cashlessÂ exercise and the Company issued 49,632 Class B common stock to Howard S. Jonas with the remaining 76,544 Class B common stock used for payment of the exercise price or retained by the Company to satisfy withholding tax obligations in connection to the exercise of the options. In May 2023, Howard S. Jonas exercised options to purchase 256,818 shares of Class B common stock through a cashlessÂ exercise and the Company issued 98,709 Class B common stock to Howard S. Jonas with the remaining 158,109 Class B common stock used for payment of the exercise price or retained by the Company to satisfy withholding tax obligations in connection to the exercise of the options. At June 30, 2024, There wereÂ no outstanding options to purchase the Company's common stock. Warrants to Purchase Class B Common Stock Â On June 8, 2018, the Company sold to Howard S. Jonas, the Chairman of the Companyâ€™s Board of Directors and the beneficial holder of the controlling portion of the Company's common stock, shares of the Companyâ€™s Class B common stockÂ andÂ warrants to purchase an additional 1,048,218 shares of the Companyâ€™s Class B common stock at an exercise price of $4.77 per share for an aggregate exercise price of $5.0 million.Â In June 2023, theÂ holders of these warrants exercised the warrants to purchase 1,048,218 shares of Class B common stock warrants for $5.0 million. As of June 30, 2024, there were no outstanding warrants to purchaseÂ shares of the Company's common stock. Purchase of Equity of SubsidiariesÂ Â InÂ February 2024, the Company purchased from aÂ certain investor aÂ 0.5% equity interest in Genie Energy International Corporation ("GEIC"), which holds the Company's interest in its operating subsidiaries for $1.2Â million. Following this transaction, GEIC is a wholly owned subsidiary of the Company. Stock-Based CompensationÂ Â On March 8,Â 2021, the Board of DirectorsÂ adopted the Company'sÂ 2021 Stock Option and Incentive Plan (the "2021 Plan"), subject to the approvalÂ of the Company's stockholders. In May 2021, the 2021 Plan became effective and replaced the Company's 2011 Stock Option and IncentiveÂ Plan. The 2021 PlanÂ provides incentives to executives, employees, directors and consultants of the Company. Incentives available under the 2021 Plan provide for grants of stock options, stock appreciation rights, limited stock appreciation rights, deferred stock units, and restricted stock. The Plan is administered by the Compensation Committee of the Companyâ€™s Board of Directors. The maximum number of shares reserved for the grant of awards under the 2021 Plan upon adoption wasÂ 1.0Â millionÂ shares of ClassÂ B Common Stock. On May 10, 2023, the Company's stockholders approvedÂ an amendment to the 2021 Plan that, among other things, increased the number of shares of the Companyâ€™sÂ Class B common stock available for the grant of awards thereunder by 0.5 million shares of Class B Common Stock. In February 2022, the Company granted certain employees and members of its Board of Directors an aggregate ofÂ 290,000Â deferred stock units which were eligible to vest in two tranches contingent upon the achievement of a specified thirty-day average closing price of the Company's Class B common stock within a specified period of time (the "2022Â market conditions") and the satisfaction of service-based vesting conditions. Each deferred stock unit entitled the recipient to receive, upon vesting, up to two shares of Class B common stock of the Company depending on market conditions. The Company used a Monte Carlo simulation model to estimate the grant-date fair value of the awards. Assumptions and estimates utilized in the model include the risk-free interest rate, dividend yield, expected stock volatility based on a combination of the Companyâ€™s historical stock volatility. In the second quarter of 2022, the 2022 market conditions were partially achieved and the Company issued 290,000 shares of its restricted Class B common stock. In February 2023, the remaining portion of the 2022 market conditions was achieved and the Company issued an additional 290,000Â restricted shares of its Class B common stock in May 2023. The restricted shares issued are subject to service-based vesting conditions as described above. As of June 30, 2024, there were approximately $0.4Â million of total unrecognized stock-based compensation costs related to outstanding and unvested equity-based grants. These costs are expected to be recognized over a weighted-average period of approximately 0.9 years.Â X - ReferencesNo definition available. + Details Name: us-gaap_EquityAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for equity. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-14Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 235 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477968/946-235-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 235 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477968/946-235-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 505 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478448/946-505-50-6Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480237/815-40-50-6Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(e)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 10: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/505/tableOfContentReference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-14Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-14Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 16 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-16Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-18Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-18Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-18 + Details Name: us-gaap_StockholdersEquityNoteDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 34 R23.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Variable Interest Entity 6 Months Ended Jun. 30, 2024 Variable Interest Entity Â Variable Interest Entity Note 14â€”Variable Interest Entity Â Citizens Choice Energy, LLC (â€œCCEâ€) is a REP that resells electricity and natural gas to residential and small business customers in the State of New York. The Company does not own any interest in CCE. Since 2011, the Company has provided CCE with substantially all of the cash required to fund its operations. The Company determined that it has the power to direct the activities of CCE that most significantly impact its economic performance and it has the obligation to absorb losses of CCE that could potentially be significant to CCE on a stand-alone basis. The Company therefore determined that it is the primary beneficiary of CCE, and as a result, the Company consolidates CCE within its GRE segment. The net income or loss incurred by CCE was attributed to noncontrolling interests in the accompanying consolidated statements of operations. Â Net loss related to CCE and aggregate net funding provided by the Company were as follows: Â Three Months Ended June 30, Six Months Ended June 30, 2024 2023 2024 2023 (in thousands) Net income (loss) $ 132 $ 73 $ 158 $ (19) Aggregate funding (provided by) paid to the Company, net $ (21) $ 113 $ 71 $ (79) Â Summarized combined balance sheet amounts related to CCE was as follows: Â Â June 30,2024 Â Â December 31, 2023 Â (in thousands) Assets Â Â Â Â Â Â Cash, cash equivalents and restricted cash Â $ 396 Â Â $ 265 Â Trade accounts receivable Â Â 202 Â Â Â 275 Â Prepaid expenses and other current assets Â Â 323 Â Â Â 323 Â Other assets Â Â 362 Â Â Â 360 Â Total assets Â $ 1,283 Â Â $ 1,223 Â Liabilities and noncontrolling interests Â Â Â Â Â Â Â Current liabilities Â $ 589 Â Â $ 611 Â Due to IDT Energy Â Â 4,822 Â Â Â 4,893 Â Noncontrolling interests Â Â (4,128) Â Â (4,281) Total liabilities and noncontrolling interests Â $ 1,283 Â Â $ 1,223 Â Â The assets of CCE may only be used to settle obligations of CCE, and may not be used for other consolidated entities. The liabilities of CCE are non-recourse to the general credit of the Companyâ€™s other consolidated entities. X - ReferencesNo definition available. + Details Name: gne_VariableInterestEntityConsolidatedCarryingAmountAssetsAndLiabilityAbstract Namespace Prefix: gne_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for a variable interest entity (VIE), including but not limited to, judgments and assumptions in determining whether to consolidate and in identifying the primary beneficiary, gain (loss) recognized on the initial consolidation of the VIE, terms of arrangements, amounts and classification of the VIE's assets and liabilities, and the entity's maximum exposure to loss. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 810 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/810/tableOfContent + Details Name: us-gaap_VariableInterestEntityDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 35 R24.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Income Taxes 6 Months Ended Jun. 30, 2024 Income Taxes Â Income Taxes NoteÂ 15â€”Income Taxes Â The following table provides a summary of Company's effectiveÂ tax rate:Â Â Â Three Months Ended June 30, Six Months Ended June 30, Â 2024 2023 2024 2023 Reported tax rate 26.7 % 24.1 % 26.3 % 25.2 % Â The reported tax rates for theÂ three and sixÂ months ended June 30, 2024Â decreasedÂ compared to the same period in 2023. The decreases are mainly from the change in the mix of tax rates in the jurisdictions where the Company earned taxable income.Â Â Â X - ReferencesNo definition available. + Details Name: us-gaap_IncomeTaxDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for income tax. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 2:

http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12C -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12CReference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12B -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12BReference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 270 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477891/740-270-50-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 6.I.5.Q1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479360/740-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-13Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(h)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/740/tableOfContentReference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-14Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 21 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-21Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 17 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-17Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 11.C) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479360/740-10-S99-2Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482603/740-30-50-2 + Details Name: us-gaap_IncomeTaxDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 36 R25.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Earnings Per Share 6 Months Ended Jun. 30, 2024 Earnings Per Share Â Earnings Per Share Note 16â€”Earnings Per Share Â Basic earnings per share is computed by dividing net income or loss attributable to all classes of common stockholders of the Company by the weighted average number of shares of all classes of common stock outstanding during the applicable period. Diluted earnings per share is computed in the same manner as basic earnings per share, except that the number of shares is increased to include restricted stock still subject to risk of forfeiture and to assume exercise of potentially dilutive stock options using the treasury stock method, unless the effect of such increases is anti-dilutive.Â Â Â The weighted-average number of shares used in the calculation of basic and diluted earnings per share attributable to the Companyâ€™s common stockholders consists of the following: Â Â Three Months Ended June 30, Six Months Ended June 30, 2024 2023 2024 2023 (inÂ thousands) (inÂ thousands) Basic weighted-average number of shares 26,569 25,708 26,760 25,516 Effect of dilutive securities: Non-vested restricted Class B common stock 464 555 512 508 Stock options and warrants â€” 58 â€” 49 Diluted weighted-average number of sharesÂ 27,033 26,321 27,272 26,073 Â Unissued vested deferred stock units in three andÂ six months ended June 30, 2023Â pertain to the weighted average of restricted shares of the company'sÂ Class B common stock that the Company expected, at that time, to issue related to satisfaction of 2022 market conditions (see Note 13 â€” Equity) to the vesting of certain then outstanding deferred stock units.Â There were no other instruments excluded from the computation of diluted earnings per share for each of the three andÂ six months ended June 30, 2024 and 2023. X - ReferencesNo definition available. + Details Name: us-gaap_EarningsPerShareAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for earnings per share. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/260/tableOfContentReference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-3 + Details Name: us-gaap_EarningsPerShareTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 37 R26.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Related Party Transactions 6 Months Ended Jun. 30, 2024 Related Party Transactions Â Related Party Transactions Note 17â€”Related Party TransactionsÂ Â Â On November 2, 2023,Â the Company made a charitable donation to the Genie Energy Charitable Foundation (the "Genie Foundation") by issuing 50,000Â shares of Class B common stock from its treasury with on the date of the donation of approximatelyÂ $1.0 million. On April 17, 2024, the Company repurchased the 50,000 shares of Class B common stock from the Genie Foundation for $0.8 million. The Company is the sole member of the Genie Foundation and the Company's Chief Executive Officer and Chief Financial Officer serve as members of the board of directors of the Genie Foundation. On December 7, 2020, the Company invested $5.0 million to purchase 218,245 shares of Class B common stock of Rafael Holdings, Inc. ("Rafael"). Rafael, a publicly-traded company, is also a related party. Rafael is a former subsidiary of IDT that was spun off from IDT in March 2018. Howard S. Jonas is the Executive ChairmanÂ and Chairman of the Board of Directors of Rafael.Â In connection with the purchase, Rafael issued to the Company warrants to purchase an additional 43,649Â shares of Rafael's Class B common stock with an exercise price of $22.91 per share. The warrants had a term expiring on June 6, 2022. The Company exercised the warrants in full on March 31, 2021 for a total exercise price of $1.0 million.Â In March 2023,Â the Company soldÂ 195,501Â shares of Class B common stock of Rafael for $0.3Â million. In the second quarter of 2023, the Company acquired 150,000 Class B common stock of Rafael for $0.3 million.Â For the three and six months ended June 30, 2024Â and 2023Â the Company recognized a loss ofÂ minimalÂ amount and $0.1 million, respectively,Â in connection with the investment. At June 30, 2024, the Company holds 0 Class B common stock of Rafael with a carrying value of $0.3Â million.Â The Company does not exercise significant influence over the operating or financial policies of Rafael. The Company was formerly a subsidiary of IDT Corporation (â€œIDTâ€). On October 28, 2011, the Company was spun-off by IDT. The Company entered into various agreements with IDT prior to the spin-off including an agreement for certain services to be performed by the Company and IDT. The Company also provides specified administrative services to certain of IDTâ€™s foreign subsidiaries. Howard Jonas is the Chairman of the Board of IDT. The charges for services provided by IDT to the Company, net of the charges for the services provided by the Company to IDT, are included in â€œSelling, general and administrativeâ€ expense in the consolidated statements of operations.Â Â Â Three Months EndedÂ June 30, Six Months Ended June 30, Â Â 2024 2023 2024 2023 Â (in thousands) (in thousands) Amount IDT charged the CompanyÂ Â $ 304 $ 310 $ 523 $ 634 Amount the Company charged IDT $ 31 $ 30 $ 67 $ 61 Â The following table presents the balance of receivables and payables to IDT:Â Â Â Â June 30, 2024 Â Â December 31, 2023 Â Â Â Â (in thousands) Â Due to IDT Â $ 170 Â Â $ 165 Â Due from IDTÂ Â $ 20 Â Â $ 20 Â Â The Company obtains insurance policies from several insurance brokers, one of which is IGM Brokerage Corp. (â€œIGMâ€). IGM is owned by the mother of Howard S. Jonas and Joyce Mason, who is a Director and Corporate Secretary of the Company. Jonathan Mason, husband of Joyce Mason and brother-in-law of Howard S. Jonas, provides insurance brokerage services via IGM. Based on information the Company received from IGM, the Company believes that IGM received commissions and fees from payments made by the Company (including payments from third party brokers). The Company paid IGM a total of $0.4 million inÂ 2023Â related to premium of various insurance policies that were brokered by IGM. There was no outstanding payable to IGM as of June 30, 2024. Neither Howard S. Jonas nor Joyce Mason has any ownership or other interest in IGM other than via the familial relationships with their mother and Jonathan Mason.Â Â Investments in Atid 613 Â In September 2018, the Company divested a majority interest in AtidÂ Drilling Ltd. in exchange for aÂ 37.5% interest in a contracting drilling company in Israel ("Atid 613") which the Company accounted for using equity method of accounting.Â In March 2023, the Company received $0.1 million from Atid 613 for the full settlement of its investments in Atid 613. The Company recognized a minimal gain from settlement of investment included in other income (loss), net in its consolidated statements of operations for the three months ended June 30, 2024. The Company did not recognize any equity in net loss fromÂ AtidÂ 613Â for theÂ three months ended June 30, 2023. X - ReferencesNo definition available. + Details Name: us-gaap_RelatedPartyTransactionsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for related party transactions. Examples of related party transactions include transactions between (a) a parent company and its subsidiary; (b) subsidiaries of a common parent; (c) and entity and its principal owners; and (d) affiliates. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-5Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-6Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 235 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477968/946-235-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 235 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477968/946-235-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 850 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483326/850-10-50-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(g)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(c)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(e)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 850 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/850/tableOfContentReference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 850 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483326/850-10-50-6Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 850 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483326/850-10-50-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 850 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483326/850-10-50-1 + Details Name: us-gaap_RelatedPartyTransactionsDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 38 R27.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Business Segment Information 6 Months Ended Jun. 30, 2024 Business Segment Information Â Business Segment Information Note 18â€”Business Segment InformationÂ Â The Company has twoÂ reportable business segments: GRE and Genie Renewables. GRE owns and operates REPs, including IDT Energy, Residents Energy, TSE, Southern Federal and Mirabito. Its REP businesses resell electricity and natural gas to residential and small business customers in the Eastern and Midwestern United States and Texas. GenieÂ RenewablesÂ develops, constructs and operates solar energy projects,Â distributes solar panels, offers energy brokerage and advisory services and also sells third-party products to customers.Â Corporate costs include unallocated compensation, consulting fees, legal fees, business development expenses and other corporate-related general and administrative expenses. Corporate does not generate any revenues, nor does it incur any cost of revenues. The Companyâ€™s reportable segments are distinguished by types of service, customers and methods used to provide their services. The operating results of these business segments are regularly reviewed by the Companyâ€™s chief operating decision-maker.Â The accounting policies of the segments are the same as the accounting policies of the Company as a whole. The Company evaluates the performance of its business segments based primarily on income (loss) from operations. There are no significant asymmetrical allocations to segments.Â Â Operating results for the business segments of the Company were as follows: Â (in thousands)Â Â GRE Genie Renewables Â Â Corporate Â Â Total Â Three Months Ended June 30, 2024 Revenues $ 86,718 $ 3,978 $ â€” $ 90,696 Income (loss) from operations 14,611 (1,390) (2,658) 10,563 Depreciation and amortization 46 150 â€” 196 Stock-based compensation 260 9 189 458 Provision for doubtful accounts receivables 481 â€” â€” 481 Provision for (benefit from) income taxes 4,454 (231) (758) 3,465 Three Months Ended June 30, 2023 Revenues $ 89,733 $ 3,730 $ â€” $ 93,463 Income (loss) from operations 18,417 (1,276) (2,106) 15,035 Depreciation and amortization 83 13 â€” 96 Stock-based compensation 275 9 472 756 Provision for (benefit from) income taxes 5,369 (474) (1,030) 3,865 Provision for doubtful accounts receivables 798 â€” â€” 798 Six Months Ended June 30, 2024 Revenues $ 199,183 $ 11,201 $ â€” $ 210,384 Income (loss) from operations 28,860 (2,036) (6,412) 20,412 Depreciation and amortization 151 264 â€” 415 Stock-based compensation 507 17 683 1,207 Provision for (benefit from) income taxes 8,543 (841) (1,317) 6,385 Provision for doubtful accounts receivables 1,210 â€” â€” 1,210 Six Months Ended June 30, 2023 Revenues $ 191,145 $ 7,594 $ â€” $ 198,739 Income (loss) from operations 34,864 (2,425) (6,129) 26,310 Depreciation and amortization 165 26 â€” 191 Stock-based compensation 548 10 1,047 1,605 Provision for (benefit from) income taxes 10,019 (789) (1,297) 7,933 Provision for doubtful accounts receivables 1,372 â€” â€” 1,372 Total assets for the business segments of the Company were as follows (in thousands) Â GRE GenieÂ Renewables Â Â Corporate Â Â Total Â Total assets: Â Â Â Â

profit of all operating segments that did not report a loss or 2) the combined reported loss of all operating segments that did report a loss c) its assets are 10 percent or more of the combined assets of all operating segments. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 54 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-54Reference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 47 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-47Reference 8: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 54 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-54Reference 9: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 47 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-47Reference 10: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 54 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-54Reference 11: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 47 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-47Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 31 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-31Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 34 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-34Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 26C -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-26CReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 26B -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-26BReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-15Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-40Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/280/tableOfContentReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 26 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-26Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 41 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-41Reference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 21 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-21Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 21 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-21Reference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32 + Details Name: us-gaap_SegmentReportingDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 39 R28.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Commitments and Contingencies 6 Months Ended Jun. 30, 2024 Commitments and Contingencies Â Commitments and Contingencies Note 19Â â€” Commitments and Contingencies Legal ProceedingsÂ On September 29, 2023, the Attorney General of the State of Illinois filed a complaint against Residents Energy in the Circuit Court of Cook County, Illinois, Chancery Division.Â The Complaint alleges several counts of violations of the Illinois Consumer Fraud and Deceptive Business Practices Act, 815 ILCS 505/1 et seq., and the Illinois Telephone Solicitations Act, 815 ILCS 413/1 et seq., in connection with Residents Energyâ€™s marketing practices, and seeks monetary damages to redress any resulting losses alleged to have been incurred by customers, civil penalties for certain alleged violations in the amount of $50.0 thousand per violation, and other forms of injunctive and equitable relief to prevent future violations.Â The Company denies these allegations and intends to vigorously defend itself against any and all claims. As of March 31, 2024, there is insufficient basis to deem any loss probable or to assess the amount of any possible loss.Â For theÂ three and six months ended June 30, 2024,Â Resident Energyâ€™s gross revenues from sales in Illinois were $8.2Â million and $20.7Â million, respectively.Â For theÂ three and sixÂ months ended June 30, 2023, Resident Energyâ€™s gross revenues from sales in Illinois was $10.4Â million and $24.0Â million, respectively The Company may from time to time be subject to legal proceedings that arise in the ordinary course of business. Although there can be no assurance in this regard, the Company does not expect any of those legal proceedings to have a material adverse effect on the Companyâ€™s results of operations, cash flows or financial condition. Refer to Note 5â€”AcquisitionsÂ andÂ Discontinued Operations, for discussion related to the administration of LumoÂ Finland.Â Â Agency and Regulatory ProceedingsÂ Â From time to time, the Company receives inquiries or requests for information or materials from public utility commissions or other governmental regulatory or law enforcement agencies related to investigations under statutory or regulatory schemes, and the Company responds to those inquiries or requests. The Company cannot predict whether any of those matters will lead to claims or enforcement actions or whether the Company and the regulatory parties will enter into settlements before a formal claim is made.Â Â Â Â Â Â Â Â Â Other Commitments Â Purchase Commitments Â The Company had future purchase commitments of $140.5 million at June 30, 2024, of which $126.3 million was for future purchase of electricity. The purchase commitments outstanding as of June 30, 2024 are expected to be paid as follows:Â (in thousands) Â Â Â Â Â Remainder of 2024 Â Â $ 76,313 Â Â 2025 Â Â Â 53,645 Â Â 2026 Â Â Â 9,505 Â Â 2027 1,020 Thereafter Â Â Â â€” Â Â Total payments Â Â $ 140,483 In theÂ three months ended June 30, 2024, the Company purchased $19.9Â million and $8.1 million of electricity and renewable energy credits, respectively, under these purchase commitments.Â In theÂ six months ended June 30, 2024, the Company purchased $44.5Â million and $9.9Â million of electricity and renewable energy credits, respectively, under these purchase commitments. In theÂ three months ended June 30, 2023, the Company purchased $15.2Â million and $5.7Â million of electricity and renewable energy credits, respectively, under these purchase commitments.Â In theÂ six months ended June 30, 2023,Â the Company purchased $24.3Â million and $12.2Â million of electricity and renewable energy credits, respectively, under these purchase commitments. Renewable Energy CreditsÂ Â GRE must obtain a certain percentage or amount of its power supply from renewable energy sources in order to meet the requirements of renewable portfolio standards in the states in which it operates. This requirement may be met by obtaining renewable energy credits that provide evidence that electricity has been generated by a qualifying renewable facility or resource. AtÂ June 30, 2024,Â GRE had commitments to purchase renewable energy credits of $14.2 million. Captive Insurance Subsidiary Â In December 2023, the Company established the Captive insurance company with the primary purpose of enhancing the Company's risk financing strategies. The Captive insures the Company against certain risks unique to the operations of the Company and its subsidiaries for which insurance may not be currently available or economically feasible in today's insurance marketplace.Â The covered risks are both current and related to historical business activities. The Company, with input from external experts, estimated the expected ultimate cost of: 1) claims defense cost, settlements and penalties resulting from insured risk, and 2) stranded risk which includes economic losses due to regulatory restrictions or unanticipated reduction of demand, as well as the level cost associated with contesting such restrictions.Â The amount of the expected loss liability for each risk is based on an analysis performed by a third-party actuary which assumed historical patterns. The key assumptions used in developing these estimates are subject to variability. In December 2023, the Company paid a $51.2 million premium to the Captive, which is, recognized as restricted cash in the consolidated balance sheet. At June 30, 2024, the balance of short-term and long-term restricted cash and cash equivalents of the Captive are $5.1 million and $46.4 million, respectively. The Captive must maintain a sufficient level of cash to fund future reserve payments and secure the insurer's liabilities, particularly those related to insured risks. The Captive has restricted investments in equity securities included in other current assets and other assets in the consolidated balance sheets (see Note 9). The Company also recognized a $0.6 million and $1.7 million provision for captive insurance liability for the three andÂ six months ended June 30, 2024, respectively, related to the Captive's exposure for the insured risks.Â At June 30, 2024, the current portion of the captive insurance liability of $0.4 million is included in other current liabilities on the consolidated balance sheet. The table below reconciles the change in the current and noncurrent captive insurance liabilities for six months ended June 30, 2024 (in thousands): Current and noncurrent captive insurance liabilities, beginning $ 45,088 Â Changes for the provision of prior year claims 2,810 Changes for the provision for current year claims (1,134) Payment of claims â€” Current and noncurrent captive insurance liabilities, end $ 46,764 The captive insurance liability outstanding atÂ June 30, 2024Â is expected to be paid as follows (in thousands). Remainder of 2024 Â Â Â $ 182 2025 Â Â Â 907 2026 Â Â Â 2,038 2027 Â Â Â 3,072 2028 Â Â Â 3,709 Thereafter Â Â Â 36,856 Total paymentsÂ Â Â Â Â Â Â Â Â Â Â $ 46,764 Â Performance Bonds and Unused Letters of Credit Â GRE has performance bonds issued through a third party for certain utility companies and for the benefit of various states in order to comply with the statesâ€™ financial requirements for REPs. At June 30, 2024, GRE had aggregate performance bonds of $21.4Â million outstanding and minimal amount of unused letters of credit.Â Â BP Energy Company Preferred Supplier Agreement Â Certain of GREâ€™s REPs are party to an Amended and Restated Preferred Supplier Agreement with BP, which is to be in effect throughÂ November 30, 2026. Under the agreement, the REPs purchase electricity and natural gas at market rate plus a fee. The obligations to BP are secured by a first security interest in deposits or receivables from utilities in connection with their purchase of the REPsâ€™ customerâ€™s receivables, and in any cash deposits or letters of credit posted in connection with any collateral accounts with BP. The ability to purchase electricity and natural gas under this agreement is subject to satisfaction of certain conditions including the maintenance of certain covenants. At June 30, 2024, the Company was in compliance with such covenants. At June 30, 2024, restricted cashâ€”short-term of $0.8 million and trade accounts receivable of $59.1 million were pledged to BP as collateral for the payment of trade accounts payable to BP ofÂ $20.1 millionÂ atÂ June 30, 2024. X - ReferencesNo definition available. + Details Name: us-gaap_CommitmentsAndContingenciesDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for commitments and contingencies. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 405 -SubTopic 30 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/405-30/tableOfContentReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 440 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482648/440-10-50-4Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 450 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/450/tableOfContentReference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 954 -SubTopic 440 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478522/954-440-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 440 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482648/440-10-50-4Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 440 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/440/tableOfContent + Details Name: us-gaap_CommitmentsAndContingenciesDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 40 R29.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Debt 6 Months Ended Jun. 30, 2024 Debt Â Debt Note 20â€”Debt On December 13, 2018,Â the Company entered into a Credit Agreement with JPMorgan Chase Bank (the â€œCredit Agreementâ€). On February 14, 2024, the Company entered into the fourth amendment of the existing Credit Agreement to extend the maturity date to December 31, 2024. The aggregate available borrowing amount was reduced to $3.0 million credit line facility (the â€œCredit Lineâ€). The Company pays a commitment fee of 0.1% per annum on the unused portion of the Credit Line as specified in the Credit Agreement. The borrowed amounts will be in the form of letters of credit which will bear interest of 1.0% per annum. The Company will also pay a fee for each letter of credit that is issued equal to the greater of $500 or 1.0% of the original maximum available amount of the letter of credit. The Company agreed to deposit cash in a money market account at JPMorgan Chase Bank as collateral for the line of credit equal to $3.1 million. As of June 30, 2024, there are no letters of credit issued by JP Morgan Chase Bank. At June 30, 2024, the cash collateral of $4.5 million was included in restricted cashâ€”short-term in the consolidated balance sheet.Â X - ReferencesNo definition available. + Details Name: us-gaap_DebtDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for information about short-term and long-term debt arrangements, which includes amounts of borrowings under each line of credit, note payable, commercial paper issue, bonds indenture, debenture issue, own-share lending arrangements and any other contractual agreement to repay funds, and about the underlying arrangements, rationale for a classification as long-term, including repayment terms, interest rates, collateral provided, restrictions on use of assets and activities, whether or not in compliance with debt covenants, and other matters important to users of the financial statements, such as the effects of refinancing and noncompliance with debt covenants. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481544/470-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481544/470-10-50-6Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -

Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(c)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 10: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 470 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/470/tableOfContentReference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1C -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1CReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1C -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1CReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1C -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1CReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1E -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1EReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1I -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1IReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1I -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1IReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1I -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1I + Details Name: us-gaap_DebtDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 41 R30.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Recently Issued Accounting Standards 6 Months Ended Jun. 30, 2024 Recently Issued Accounting Standards Â Recently Issued Accounting Standards Note 21â€”Recently Issued Accounting Standards In December 2023, the FASB issued ASU 2023-09,Â Income Taxes (Topic 740): Improvements to Income Tax DisclosuresÂ (â€œASU 2023-09â€). ASU 2023-09 will require public entities to disclose on an annual basis a tabular reconciliation using both percentages and amounts, broken out into specific categories with certain reconciling items at or above 5% of the statutory (i.e. expected) tax further broken out by nature and/or jurisdiction. The new provisions require all entities to disclose on an annual basis the amount of income taxes paid (net of refunds received), disaggregated between federal (national), state/local and foreign, and amounts paid to an individual jurisdiction when 5% or more of the total income taxes paid. The new provisions are required to be applied on a prospective basis; retrospective application is permitted. The guidance is effective for annual periods beginning after December 15, 2024. Early adoption is permitted. Although the new standard only requires additional disclosures, the Company is in the process of determining the impact of this guidance to its income tax disclosures. In November 2023, the FASB issued ASU 2023-07,Â Segment Reporting (Topic 280): Improvements to Reportable Segment DisclosuresÂ (â€œASU 2023-07â€). ASU 2023-07 amends Accounting Standards Codification 280,Â Segment ReportingÂ (â€œASC 280â€)Â to require public entities to disclose significant segment expenses and other segment items that are regularly provided to the chief operating decision maker (â€œCODMâ€) and included in each reported measure of a reportable segmentâ€™s profit or loss, on an annual and interim basis, and provide in interim periods all disclosures about a reportable segmentâ€™s profit or loss and assets that are currently required annually. The new provisions permit entities to report multiple measures of a reportable segmentâ€™s profit or loss if the CODM uses those measures to allocate resources and assess performance. The new standard is required to be applied retrospectively to all periods presented in the financial statements, unless impracticable. The new standard is effective for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024. Early adoption is also permitted. Although the new standards only require additional disclosures, the Company is in the process of determining the impact of this guidance to its segment disclosures. X - ReferencesNo definition available. + Details Name: us-gaap_NewAccountingPronouncementsAndChangesInAccountingPrinciplesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for change in accounting principle. Includes, but is not limited to, nature, reason, and method of adopting amendment to accounting standards or other change in accounting principle. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476173/280-10-65-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 105 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479343/105-10-65-7Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 848 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483550/848-10-65-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 848 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (d)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483550/848-10-65-2Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 848 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483550/848-10-65-1Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(2)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(2)(iv) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (h)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 5 -Subparagraph (SAB Topic 11.M.Q2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480530/250-10-S99-5Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 20 -Name Accounting Standards Codification -Section 65 -Paragraph 6 -Subparagraph (i)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480528/815-20-65-6Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 4 -Subparagraph (e)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479654/326-10-65-4Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 10 -Name Accounting Standards Codification -Section 65 -Paragraph 4 -Subparagraph (e)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479654/326-10-65-4Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 926 -SubTopic 20 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (f)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483194/926-20-65-2Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 926 -SubTopic 20 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (f)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483194/926-20-65-2Reference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 926 -SubTopic 20 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (f)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483194/926-20-65-2Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480530/250-10-S99-6Reference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 27: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Topic 250 -Publisher FASB -URI https://asc.fasb.org/250/tableOfContentReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1 + Details Name: us-gaap_NewAccountingPronouncementsAndChangesInAccountingPrinciplesTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 42 R31.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Insider Trading Arrangements 6 Months Ended Jun. 30, 2024 Trading Arrangements, by Individual [Table] Â Rule 10b5-1 Arrangement Adopted [Flag] false Non-Rule 10b5-1 Arrangement Adopted [Flag] false Rule 10b5-1 Arrangement Terminated [Flag] false Non-Rule 10b5-1 Arrangement Terminated [Flag] false X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 1 + Details Name: ecd_NonRule10b51ArrAdoptedFlag Namespace Prefix: ecd_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 1 + Details Name: ecd_NonRule10b51ArrTrmntdFlag Namespace Prefix: ecd_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 1 + Details Name: ecd_Rule10b51ArrAdoptedFlag Namespace Prefix: ecd_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 1 + Details Name: ecd_Rule10b51ArrTrmntdFlag Namespace Prefix: ecd_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 2 -Subparagraph A + Details Name: ecd_TradingArrByIndTable Namespace Prefix: ecd_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 43 R32.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Cash, Cash Equivalents, and Restricted Cash (Tables) 6 Months Ended Jun. 30, 2024 Cash, Cash Equivalents, and Restricted Cash Â Schedule of reconciliation of cash, cash equivalents, and restricted cash June 30, 2024 Â Â December 31, 2023 Â (in thousands) Cash and cash equivalents $ 122,342 Â Â $ 107,609 Â Restricted cashâ€”short-term Â 9,178 Â Â Â 10,442 Â RestrictedÂ cashâ€”long-term 46,400 44,945 Total cash, cash equivalents, and restricted cash $ 177,920 Â Â $ 162,996 Â X - ReferencesNo definition available. + Details Name: us-gaap_CashAndCashEquivalentsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the components of cash and cash equivalents. + ReferencesNo definition available. + Details Name: us-gaap_ScheduleOfCashAndCashEquivalentsTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 44 R33.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Inventories (Tables) 6 Months Ended Jun. 30, 2024 Inventories Â Schedule of Inventories June 30, 2024 December 31, 2023 Â (in thousands) Natural gas $ 737 $ 1,309 Â RenewableÂ credits Â 4,827 Â 12,105 Solar panels, net of a valuation allowance of $nil million and $0.8 million at June 30, 2024Â and December 31, 2023, respectively 73 1,184 Totals $ 5,637 $ 14,598 X - ReferencesNo definition available. + Details Name: us-gaap_InventoryDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the carrying amount as of the balance sheet date of merchandise, goods, commodities, or supplies held for future sale or to be used in manufacturing, servicing or production process. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -

Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(c)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 210 -SubTopic 10 -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483489/210-10-50-1 + Details Name: us-gaap_ScheduleOfInventoryCurrentTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 45 R34.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Revenue Recognition (Tables) 6 Months Ended Jun. 30, 2024 Revenue Recognition Â Schedule of revenues disaggregated Â Electricity Natural Gas Other Total (in thousands) Three Months Ended June 30, 2024 Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Fixed rate Â $ 47,207 Â Â $ 3,295 Â Â $ â€” Â Â $ 50,502 Â Variable rate Â Â 31,094 Â Â Â 5,119 Â Â Â â€” Â Â Â 36,213 Â Other Â Â Â€” Â Â Â Â€” Â Â Â 3,981 Â Â Â 3,981 Â Total Â $ 78,301 Â Â Â $ 8,414 Â Â Â $ 3,981 Â Â Â $ 90,696 Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Three Months Ended June 30, 2023 Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Fixed rate Â $ 47,625 Â Â $ 2,983 Â Â $ â€” Â Â $ 50,608 Â Variable rate Â Â 32,574 Â Â Â 5,992 Â Â Â â€” Â Â 38,566 Â Other Â Â â€” Â Â Â â€” Â Â Â 4,289 Â Â Â 4,289 Â Total Â $ 80,199 Â Â $ 8,975 Â Â $ 4,289 Â Â $ 93,463 Â Six Months Ended June 30, 2024 Fixed rate $ 99,303 $ 10,724 $ â€” $ 110,027 Variable rate 68,394 20,088 â€” 88,482 Other â€” â€” 11,875 11,875 Total $ 167,697 $ 30,812 $ 11,875 $ 210,384 Six Months Ended June 30, 2023 Fixed rate $ 77,130 $ 8,598 $ â€” $ 85,728 Variable rate 77,556 27,302 â€” 104,858 Other â€” â€” 8,153 8,153 Total $ 154,686 $ 35,900 $ 8,153 $ 198,739 Â Â Â Electricity Â Â Natural Gas Â Â Other Â Â Total Â (in thousands) Three Months Ended June 30, 2024 Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Non-Commercial Channel Â $ 72,759 Â Â $ 2,784 Â Â $ â€” Â Â $ 75,543 Â Commercial Channel Â Â 5,542 Â Â Â 5,630 Â Â Â â€” Â Â Â 11,172 Â Other Â Â â€” Â Â Â â€” Â Â Â 3,981 Â Â Â 3,981 Â Total Â $ 78,301 Â Â Â $ 8,414 Â Â Â $ 3,981 Â Â Â $ 90,696 Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Three Months Ended June 30, 2023 Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Non-Commercial Channel Â $ 65,332 Â Â $ 5,939 Â Â $ â€” Â Â $ 71,271 Â Commercial Channel Â Â 14,867 Â Â Â 3,036 Â Â Â â€” Â Â Â 17,903 Â Other Â Â â€” Â Â Â â€” Â Â Â 4,289 Â Â Â 4,289 Â Total Â $ 80,199 Â Â $ 8,975 Â Â $ 4,289 Â Â $ 93,463 Â Six Months Ended June 30, 2024 Non-Commercial Channel $ 155,701 $ 22,551 $ â€” $ 178,252 Commercial Channel 11,996 8,261 â€” 20,257 Other â€” â€” 11,875 11,875 Total $ 167,697 $ 30,812 $ 11,875 $ 210,384 Six Months Ended June 30, 2023 Non-Commercial Channel $ 125,454 $ 26,721 $ â€” $ 152,175 Commercial Channel 29,232 9,179 â€” 38,411 Other â€” â€” 8,153 8,153 Total $ 154,686 $ 35,900 $ 8,153 $ 198,739 Schedule of contract liability Six Months Ended June 30, 2024 2023 Â (in thousands) Contract liability, beginning $ 5,582 $ 1,759 Â Recognition of revenue included in the beginning of the year contract liability (3,691) (736) Additions during the period, net of revenue recognized during the period 2,117 1,714 Contract liability, end $ 4,008 $ 2,737 Schedule of change in allowance for doubtful accounts Six Months Ended June 30, 2024 2023 Â (in thousands) Allowance for doubtful accounts, beginning $ 6,574 $ 4,826 Â Additions charged to expense 1,210 1,372 Other deductions (435) â€” Allowance for doubtful accounts, end $ 7,349 $ 6,198 X - DefinitionThe entire disclosure for valuation and qualifying accounts and reserves. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Name Regulation S-X (SX) -Number 210 -Section 12 -Subsection 09 -Publisher SECReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 4 -Subparagraph (SX 210.12-09) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-4 + Details Name: srt_ScheduleOfValuationAndQualifyingAccountsDisclosureTextBlock Namespace Prefix: srt_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of receivable, contract asset, and contract liability from contract with customer. Includes, but is not limited to, change in contract asset and contract liability. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-10 + Details Name: us-gaap_ContractWithCustomerAssetAndLiabilityTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of disaggregation of revenue into categories depicting how nature, amount, timing, and uncertainty of revenue and cash flows are affected by economic factor. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-5 + Details Name: us-gaap_DisaggregationOfRevenueTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_RevenueFromContractWithCustomerAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 46 R35.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Acquisitions and Discontinued Operations (Tables) 6 Months Ended Jun. 30, 2024 Discontinued Operations [Line Items] Â Schedule of impact of the acquisition's purchase price Cash and other current liabilities $ 200 Â Property, plant and equipment (1 to 10-year useful life) 573 Goodwill 2,660 Liabilities (850) Noncontrolling interest (1,243) Net assets $ 1,340 Schedule of assets and liabilities Â June 30, 2024 Â Â December 31, 2023 (in thousands) Assets Â Â Â Â Â Â Cash Â $ 1,281 Â Â $ 2,483 Â Receivables from the settlement of derivative contractâ€”current Â Â 5,799 Â Â Â 10,699 Â Current assets of discontinued operations Â $ 7,080 Â Â $ 13,182 Â Receivables from the settlement of derivative contractâ€”noncurrent $ â€” $ 2,362 Other noncurrent assets 4,295 5,078 Noncurrent assets of discontinued operations $ 4,295 $ 7,440 LiabilitiesÂ Â Â Â Â Â Â Â Â Income taxes payable 2,039 1,399 Accounts payable and other current liabilities Â Â 31 Â Â 91 Current liabilities of discontinued operations Â $ 2,070 Â Â $ 1,490 Â Deferred tax liabilities 678 698 Noncurrent liabilities of discontinued operations $ 678 $ 698 Schedule of operations of discontinued operations Â Three Months Ended June 30, Six Months Ended June 30, Â 2024 2023 2024 2023 Â (in thousands) Income from operations $ â€” $ â€” $ â€” $ â€” Other income, net 60 946 (503) 1,196 Income before income taxes 60 946 (503) 1,196 Provision for income taxes 85 (337) 93 (405) Net loss from discontinued operations, net of taxes $ 145 $ 609 $ (410) $ 791 Income before income taxesÂ attributable to Genie Energy Ltd. $ 60 $ 946 $ (503) $ 1,196 Schedule of cash flows of discontinued operations Â Six Months Ended June 30, Â 2024 2023 Â (in thousands) Net (loss) income $ (410) $ 791 Non-cash items 398 (1,198) Changes in assets and liabilities 6,964 16,078 Cash flows provided by operating activities of discontinued operations $ 6,952 $ 15,671 X - DefinitionTabular disclosure of balance sheet information of assets and liabilities related to a disposal group. + ReferencesNo definition available. + Details Name: gne_ScheduleOfDisposalGroupsIncludingDiscontinuedOperationsBalanceSheetDisclosuresTableTextBlock Namespace Prefix: gne_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of statement of cash flow information related to a disposal group. + ReferencesNo definition available. + Details Name: gne_ScheduleOfDisposalGroupsIncludingDiscontinuedOperationsCashFlowStatementDisclosuresTableTextBlock Namespace Prefix: gne_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_IncomeStatementBalanceSheetAndAdditionalDisclosuresByDisposalGroupsIncludingDiscontinuedOperationsLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of a material business combination completed during the period, including background, timing, and recognized assets and liabilities. This table does not include leveraged buyouts. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 805 -SubTopic 10 -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479328/805-10-50-3Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 805 -SubTopic 10 -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479328/805-10-50-2 + Details Name: us-gaap_ScheduleOfBusinessAcquisitionsByAcquisitionTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of information related to a disposal group. Includes, but is not limited to, a discontinued operation, disposal classified as held-for-sale or disposed of by means other than sale or disposal of an individually significant component. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 3 -SubTopic 10 -Topic 360 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-3Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-11Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 3A -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-3AReference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4A -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-4AReference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4B -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-4BReference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5A -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5AReference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5BReference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5CReference 9: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5D -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5DReference 10: http://fasb.org/us-gaap/role/ref/legacyRef -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 11: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-3AReference 12: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -SubTopic 20 -Topic 205 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-1Reference 13: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 205 -SubTopic 20 -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-3 + Details Name: us-gaap_ScheduleOfDisposalGroupsIncludingDiscontinuedOperationsIncomeStatementBalanceSheetAndAdditionalDisclosuresTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 47 R36.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Fair Value Measurements (Tables) 6 Months Ended Jun. 30, 2024 Concentration Risk [Line Items] Â Schedule of balance of assets and liabilities measured at fair value on a recurring basis Level 1 (1) Level 2 (2) Level 3 (3) Total (in thousands) June 30, 2024 Assets: Marketable equity securities $ 344 $ â€” $ â€” $ 344 Derivative contracts $ 750 $ â€” $ â€” $ 750 Liabilities: Derivative contracts $ 592 $ â€” $ â€” $ 592 December 31, 2023 Assets: Marketable equity securities $ 396 $ â€” $ â€” $ 396 Derivative contracts $ 673 $ â€” $ â€” $ 673 Liabilities: Derivative contracts $ 1,724 $ â€” $ â€” $ 1,724 (1) â€“ quoted prices in active markets for identical assets or liabilities (2) â€“ observable inputs other than quoted prices in active markets for identical assets and liabilities (3) â€“ no observable pricing inputs in the market Schedule of concentration risk The following table summarizes the percentage of revenues by customers that equal or exceed 10.0% of consolidated revenues for the three and six months ended June 30, 2024 and 2023 (no other single customer accounted for 10.0% or greater of our consolidated revenues in these periods): Three Months Ended June 30, Six Months Ended June 30, 2024 2023 2024 2023 Customer A 23.0 % 18.7 % 22.4 % 13.2 % Customer B 10.0 na na na naâ€”less than 10.0% of consolidated revenue in the period Consolidated revenues [Member] | Customer Concentration Risk [Member] Â Concentration Risk [Line Items] Â Schedule of concentration risk June 30, 2024 December 31, 2023 Customer A 20.7 % 21.4 % X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 954 -SubTopic 310 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478785/954-310-50-2 + Details Name: us-gaap_ConcentrationRiskLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of assets and liabilities, including [financial] instruments measured at fair value that are classified in stockholders' equity, if any, that are measured at fair value on a recurring basis. The disclosures contemplated herein include the fair value measurements at the reporting date by the level within the fair value hierarchy in which the fair value measurements in their entirety fall, segregating fair value measurements using quoted prices in active markets for identical assets (Level 1), significant other observable inputs (Level 2), and significant unobservable inputs (Level 3). + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2 + Details Name: us-gaap_ScheduleOfFairValueAssetsAndLiabilitiesMeasuredOnRecurringBasisTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the nature of a concentration, a benchmark to which it is compared, and the percentage that the risk is to the benchmark. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 21 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-21Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 825 -SubTopic 10 -Section 50 -Paragraph 20 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-20Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 18 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-18Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 20 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-20Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 16 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-16Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 21 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-21 + Details Name: us-gaap_SchedulesOfConcentrationOfRiskByRiskFactorTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_ConcentrationRiskByBenchmarkAxis=us-gaap_SalesRevenueNetMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-

gaap_ConcentrationRiskByTypeAxis=us-gaap_CustomerConcentrationRiskMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 48 R37.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Derivative Instruments (Tables) 6 Months Ended Jun. 30, 2024 Derivative Instruments Â Schedule of volume of GRE's outstanding contracts and options Settlement Dates Volume Electricity (in MWH) Gas (in Dth) Third quarter of 2024 41,712 155,000 Fourth quarter of 2024 â€” â€” First quarter of 2025 â€” 225,000 Second quarter of 2025 â€” 227,500 Third quarter of 2025 â€” 230,000 Fourth quarter of 2025 â€” 230,000 First quarter of 2026 â€” â€” Second quarter of 2026 â€” â€” Third quarter of 2026 3,520 â€” Schedule of fair value of outstanding derivative instruments recorded as assets and liability Asset Derivatives Balance Sheet Location June 30,2024 December 31, 2023 (in thousands) Derivatives not designated or not qualifying as hedging instruments: Energy contracts and options1 Other current assets $ 444 $ 321 Energy contracts and options Other assets 306 352 Total derivatives not designated or not qualifying as hedging instruments â€” Assets $ 750 $ 673 Liability Derivatives Balance Sheet Location June 30, 2024 December 31, 2023 (in thousands) Derivatives not designated or not qualifying as hedging instruments: Energy contracts and options1 Other current liabilities $ 592 $ 1,716 Energy contracts and options Other liabilities â€” 8 Total derivatives not designated or not qualifying as hedging instruments â€” Liabilities $ 592 $ 1,724 (1) The Company classifies derivative assets and liabilities as current based on the cash flows expected to be incurred within the following 12 months. Schedule of derivative instruments on the consolidated statements of operations Amount of Loss Recognized on Derivatives Derivatives not designated or not qualifying as Location of Gain Recognized Three Months Ended June 30, Six Months Ended June 30, hedging instruments on Derivatives 2024 2023 2024 2023 (in thousands) (in thousands) Energy contracts and options Cost of revenues $ 8,404 $ 5,954 $ 13,936 $ 17,129 X - ReferencesNo definition available. + Details Name: us-gaap_DerivativeInstrumentsAndHedgingActivitiesDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the location and amount of derivative instruments and nonderivative instruments designated as hedging instruments reported before netting adjustments, and the amount of gain (loss) on derivative instruments and nonderivative instruments designated and qualified as hedging instruments. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4E -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-4EReference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 815 -SubTopic 10 -Section 50 -Paragraph 4C -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-4CReference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 815 -SubTopic 10 -Section 50 -Paragraph 4A -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-4A + Details Name: us-gaap_ScheduleOfDerivativeInstrumentsGainLossInStatementOfFinancialPerformanceTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the notional amounts of outstanding derivative positions. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 815 -SubTopic 10 -Section 50 -Paragraph 1A -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-1A + Details Name: us-gaap_ScheduleOfNotionalAmountsOfOutstandingDerivativePositionsTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of derivative instrument not designated or qualifying as hedging instrument. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 815 -SubTopic 10 -Section 50 -Paragraph 4C -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-4CReference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section 50 -Paragraph 4CC -SubTopic 10 -Topic 815 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-4CC + Details Name: us-gaap_ScheduleOfOtherDerivativesNotDesignatedAsHedgingInstrumentsStatementsOfFinancialPerformanceAndFinancialPositionLocationTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 49 R38.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Other Assets (Tables) 6 Months Ended Jun. 30, 2024 Other Assets Â Schedule of Other Assets June 30, 2024 Â December 31, 2023 Â (in thousands) Security deposit Â $ 7,282 Â Â $ 7,950 Â Right-of-use assets, net of amortization Â Â 1,828 Â Â Â 2,138 Â Investments in equity securities 3,834 2,605 Fair value of derivative contractsâ€”noncurrentÂ 307 352 Other assets Â Â 2,057 Â Â Â 2,202 Â Total other assets $ 15,308 Â Â $ 15,247 Â X - ReferencesNo definition available. + Details Name: us-gaap_DeferredCostsCapitalizedPrepaidAndOtherAssetsDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of noncurrent assets. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_ScheduleOfOtherAssetsNoncurrentTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 50 R39.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Investments (Tables) 6 Months Ended Jun. 30, 2024 Investment in Equity Method Investees [Abstract] Â Equity Method Investments [Table Text Block] Location in Balance Sheet Measurement June 30, 2024 December 31, 2023 (in thousands) Rafael Holdings, Inc. Marketable equity securities Quoted market price $ 344 $ 396 Alternative investmentsâ€”restrictedÂ (see Note 19) Other current assets Net asset value $ 2,258 $ â€” Alternative investmentsâ€”unrestrictedÂ Other current assets Cost 2,150 3,801 Total included in other current assets $ 4,408 $ 3,801 PRI Fuel SupplyÂ Ltd. Other noncurrent assets Equity method $ 324 $ â€” CPP Genie Community Solar Other noncurrent assets Equity method 275 303 RodedÂ (see Note 4) Other noncurrent assets Equity method â€” 1,268 Alternative investmentsâ€”restrictedÂ (see Note 19) Other noncurrent assets Net assets value 935 â€” Alternative investmentsâ€”unrestricted Other noncurrent assets Cost 2,300 1,034 Total included in other noncurrent assets $ 3,834 $ 2,605 Schedule of Sale of Stock by Subsidiary or Equity Method Investee Disclosure [Table Text Block] Six Months Ended June 30, 2024 2023 (in thousands) Balance, beginning of period Â $ 4,835 Â Â $ 3,178 Purchase Â Â 3,025 Â Â Â â€” Gain (loss) recognized during the period 365 13 Distribution Â Â (582) Â Â â€” Balance, end of period $ 7,643 $ 3,191 X - ReferencesNo definition available. + Details Name: us-gaap_EquityMethodInvestmentsAndJointVenturesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of equity method investments including, but not limited to, name of each investee or group of investments, percentage ownership, difference between recorded amount of an investment and the value of the underlying equity in the net assets, and summarized financial information. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3 + Details Name: us-gaap_EquityMethodInvestmentsTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of sales of stock or previously unissued stock made by subsidiary or equity method investee to investors outside the consolidated group. This includes stock issued in a business combination in exchange for shares of an acquired entity. + ReferencesNo definition available. + Details Name: us-gaap_ScheduleOfSaleOfStockBySubsidiaryOrEquityMethodInvesteeDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 51 R40.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Goodwill and Other Intangible Assets (Tables) 6 Months Ended Jun. 30, 2024 Goodwill and Other Intangible Assets Â Schedule of goodwill Â GRE Genie Renewables Total (in thousands) Balance at January 1, 2024 Â $Â 9,998 $ â€” $ 9,998 Consolidation of Roded â€” 2,660 2,660 Balance at June 30, 2024Â Â $ 9,998 $ 2,660 $ 12,658 Schedule of other intangible assets Â Weighted Average Amortization Period Â Â Gross Carrying Amount Â Â Accumulated Amortization Â Â Net Balance Â (in thousands) June 30, 2024 Â Â Â

Â Aggregate Dividend Amount Â Â Record Date Â Payment Date February 8, 2024 $ 0.0750 $ 2,121 February 20, 2024 February 28, 2024 May 2, 2024 0.0750 2,031 May 20, 2024 May 31, 2024 X - DefinitionTabular disclosure of information related to dividends declared, including paid and unpaid dividends. + ReferencesNo definition available. + Details Name: us-gaap_DividendsDeclaredTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_EquityAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 55 R44.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Variable Interest Entity (Tables) 6 Months Ended Jun. 30, 2024 Variable Interest Entity Â Schedule of net loss related to CCE and aggregate net funding Three Months Ended June 30, Six Months Ended June 30, 2024 2023 2024 2023 (in thousands) Net income (loss) $ 132 $ 73 $ 158 $ (19) Aggregate funding (provided by) paid to the Company, net $ (21) $ 113 $ 71 $ (79) Schedule of combined balance sheet amounts related to CCE Â June 30,2024 Â Â December 31, 2023 Â (in thousands) Assets Â Â Â Â Â Â Cash, cash equivalents and restricted cash Â $ 396 Â Â $ 265 Â Trade accounts receivable Â Â 202 Â Â 275 Â Prepaid expenses and other current assets Â Â 323 Â Â 323 Â Other assets Â Â 362 Â Â Â 360 Â Total assets Â $ 1,283 Â Â $ 1,223 Â Liabilities and noncontrolling interests Â Â Â Â Â Â Â Â Current liabilities Â $ 589 Â Â $ 611 Â Due to IDT Energy Â Â 4,822 Â Â Â 4,893 Â Noncontrolling interests Â Â (4,128) Â Â (4,281) Total liabilities and noncontrolling interests Â $ 1,283 Â Â $ 1,223 Â X - DefinitionSchedule of net income loss and aggregate net funding repaid or provided by company to variable interest entity. + ReferencesNo definition available. + Details Name: gne_ScheduleOfNetIncomeLossAndAggregateNetFundingRepaidOrProvidedByCompanyToVariableInterestEntityTableTextBlock Namespace Prefix: gne_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: gne_VariableInterestEntityConsolidatedCarryingAmountAssetsAndLiabilityAbstract Namespace Prefix: gne_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the significant judgments and assumptions made in determining whether a variable interest (as defined) held by the entity requires the variable interest entity (VIE) (as defined) to be consolidated and (or) disclose information about its involvement with the VIE, individually or in aggregate (as applicable); the nature of restrictions, if any, on the consolidated VIE's assets and on the settlement of its liabilities reported by an entity in its statement of financial position, including the carrying amounts of such assets and liabilities; the nature of, and changes in, the risks associated with involvement in the VIE; how involvement with the VIE affects the entity's financial position, financial performance, and cash flows; the lack of recourse if creditors (or beneficial interest holders) of the consolidated VIE have no recourse to the general credit of the primary beneficiary (if applicable); the terms of arrangements, giving consideration to both explicit arrangements and implicit variable interests, if any, that could require the entity to provide financial support to the VIE, including events or circumstances that could expose the entity to a loss; the methodology used by the entity for determining whether or not it is the primary beneficiary of the variable interest entity; the significant factors considered and judgments made in determining that the power to direct the activities of a VIE that most significantly impact the VIE's economic performance are shared (as defined); the carrying amounts and classification of assets and liabilities of the VIE included in the statement of financial position; the entity's maximum exposure to loss, if any, as a result of its involvement with the VIE, including how the maximum exposure is determined and significant sources of the entity's exposure to the VIE; a comparison of the carrying amounts of the assets and liabilities and the entity's maximum exposure to loss; information about any liquidity arrangements, guarantees, and (or) other commitments by third parties that may affect the fair value or risk of the entity's variable interest in the VIE; whether or not the entity has provided financial support or other support (explicitly or implicitly) to the VIE that it was not previously contractually required to provide or whether the entity intends to provide that support, including the type and amount of the support and the primary reasons for providing the support; and supplemental information the entity determines necessary to provide. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 810 -SubTopic 10 -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 810 -SubTopic 10 -Section 50 -Paragraph 5A -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-5AReference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 810 -SubTopic 10 -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-9Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 810 -SubTopic 10 -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-4Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 810 -SubTopic 10 -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-6 + Details Name: us-gaap_ScheduleOfVariableInterestEntitiesTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 56 R45.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Income Taxes (Tables) 6 Months Ended Jun. 30, 2024 Income Taxes Â Schedule of company's effective tax rate Â Three Months Ended June 30, Six Months Ended June 30, Â 2024 2023 2024 2023 Reported tax rate 26.7 % 24.1 % 26.3 % 25.2 % X - ReferencesNo definition available. + Details Name: us-gaap_IncomeTaxDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the reconciliation using percentage or dollar amounts of the reported amount of income tax expense attributable to continuing operations for the year to the amount of income tax expense that would result from applying domestic federal statutory tax rates to pretax income from continuing operations. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12AReference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12 + Details Name: us-gaap_ScheduleOfEffectiveIncomeTaxRateReconciliationTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 57 R46.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Earnings Per Share (Tables) 6 Months Ended Jun. 30, 2024 Earnings Per Share Â Schedule of weighted-average number of shares used in the calculation of basic and diluted earnings per share Â Three Months Ended June 30, Six Months Ended June 30, 2024 2023 2024 2023 (inÂ thousands) (inÂ thousands) Basic weighted-average number of shares 26,569 25,708 26,760 25,516 Effect of dilutive securities: Non-vested restricted Class B common stock 464 555 512 508 Stock options and warrants â€” 58 â€” 49 Diluted weighted-average number of sharesÂ 27,033 26,321 27,272 26,073 X - ReferencesNo definition available. + Details Name: us-gaap_EarningsPerShareAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the weighted average number of shares used in calculating basic net earnings per share (or unit) and diluted earnings per share (or unit). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 260 -SubTopic 10 -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1 + Details Name: us-gaap_ScheduleOfWeightedAverageNumberOfSharesTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 58 R47.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Related Party Transactions (Tables) 6 Months Ended Jun. 30, 2024 Related Party Transactions Â Schedule of related party transactions Three Months EndedÂ June 30, Six Months Ended June 30, Â Â 2024 2023 2024 2023 Â (in thousands) (in thousands) Amount IDT charged the CompanyÂ Â $ 304 $ 310 $ 523 $ 634 Amount the Company charged IDT $ 31 $ 30 $ 67 $ 61 Schedule of receivables and payables Â June 30, 2024 Â Â December 31, 2023 Â Â Â (in thousands) Â Due to IDT Â $ 170 Â Â $ 165 Â Due from IDTÂ Â $ 20 Â Â $ 20 Â X - DefinitionTabular disclosure of related party transactions of receivables and payables. + ReferencesNo definition available. + Details Name: gne_ScheduleOfReceivablesAndPayablesOfRelatedPartyTransactionsTableTextBlock Namespace Prefix: gne_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_RelatedPartyTransactionsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of related party transactions. Examples of related party transactions include, but are not limited to, transactions between (a) a parent company and its subsidiary; (b) subsidiaries of a common parent; (c) and entity and its principal owners and (d) affiliates. + ReferencesNo definition available. + Details Name: us-gaap_ScheduleOfRelatedPartyTransactionsTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 59 R48.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Business Segment Information (Tables) 6 Months Ended Jun. 30, 2024 Business Segment Information Â Schedule of operating results for the business segments (in thousands)Â Â GRE Genie Renewables Â Â Corporate Â Â Total Â Three Months Ended June 30, 2024 Revenues $ 86,718 $ 3,978 $ â€” $ 90,696 Income (loss) from operations 14,611 (1,390) (2,658) 10,563 Depreciation and amortization 46 150 â€” 196 Stock-based compensation 260 9 189 458 Provision for doubtful accounts receivables 481 â€” â€” 481 Provision for (benefit from) income taxes 4,454 (231) (758) 3,465 Three Months Ended June 30, 2023 Revenues $ 89,733 $ 3,730 $ â€” $ 93,463 Income (loss) from operations 18,417 (1,276) (2,106) 15,035 Depreciation and amortization 83 13 â€” 96 Stock-based compensation 275 9 472 756 Provision for (benefit from) income taxes 5,369 (474) (1,030) 3,865 Provision for doubtful accounts receivables 798 â€” â€” 798 Six Months Ended June 30, 2024 Revenues $ 199,183 $ 11,201 $ â€” $ 210,384 Income (loss) from operations 28,860 (2,036) (6,412) 20,412 Depreciation and amortization 151 264 â€” 415 Stock-based compensation 507 17 683 1,207 Provision for (benefit from) income taxes 8,543 (841) (1,317) 6,385 Provision for doubtful accounts receivables 1,210 â€” â€” 1,210 Six Months Ended June 30, 2023 Revenues $ 191,145 $ 7,594 $ â€” $ 198,739 Income (loss) from operations 34,864 (2,425) (6,129) 26,310 Depreciation and amortization 165 26 â€” 191 Stock-based compensation 548 10 1,047 1,605 Provision for (benefit from) income taxes 10,019 (789) (1,297) 7,933 Provision for doubtful accounts receivables 1,372 â€” â€” 1,372 Schedule of total assets for the business segments (in thousands) Â GRE GenieÂ Renewables Â Â Corporate Â Â Total Â Total assets: Â Â Â Â Â Â Â Â Â Â June 30, 2024 Â $ 207,940 $ 34,815 Â Â $ 80,028 Â Â $ 322,783 Â December 31, 2023 214,121 28,912 87,522 330,555 X - DefinitionTabular disclosure of all significant reconciling items in the reconciliation of total assets from reportable segments to the entity's consolidated assets. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 280 -SubTopic 10 -Section 50 -Paragraph 31 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-31Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 280 -SubTopic 10 -Section 50 -Paragraph 30 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30 + Details Name: us-gaap_ReconciliationOfAssetsFromSegmentToConsolidatedTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the profit or loss and total assets for each reportable segment. An entity discloses certain information on each reportable segment if the amounts (a) are included in the measure of segment profit or loss reviewed by the chief operating decision maker or (b) are otherwise regularly provided to the chief operating decision maker, even if not included in that measure of segment profit or loss. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 280 -SubTopic 10 -Section 50 -Paragraph 25 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-25Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 280 -SubTopic 10 -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 280 -SubTopic 10 -Section 50 -Paragraph 30 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30 + Details Name: us-gaap_ScheduleOfSegmentReportingInformationBySegmentTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_SegmentReportingAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 60 R49.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Commitments and Contingencies (Tables) 6 Months Ended Jun. 30, 2024 Commitments and Contingencies Â Schedule of purchase commitments outstanding (in thousands) Â Â Â Â Remainder of 2024 Â Â $ 76,313 Â Â 2025 Â Â Â 53,645 Â Â 2026 Â Â Â 9,505 Â Â 2027 1,020 Thereafter Â Â Â â€” Â Â Total payments Â Â $ 140,483 Schedule of change in the current and noncurrent captive insurance liabilities Current and noncurrent captive insurance liabilities, beginning $ 45,088 Â Changes for the provision of prior year claims 2,810 Changes for the provision for current year claims (1,134) Payment of claims â€” Current and noncurrent captive insurance liabilities, end $ 46,764 Schedule of captive insurance liability outstanding Remainder of 2024 Â Â Â $ 182 2025 Â Â Â 907 2026 Â Â 2,038 2027 Â Â 3,072 2028 Â Â 3,709 Thereafter Â Â 36,856 Total paymentsÂ Â Â Â Â Â Â Â Â Â $ 46,764 X - DefinitionTabular disclosure of the changes in the captive insurance liabilities. + ReferencesNo definition available. + Details Name: gne_ScheduleOfChangesInCaptiveInsuranceLiabilitiesTableTextBlock Namespace Prefix: gne_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of contractual obligation by timing of payment due. Includes, but is not limited to, long-term debt obligation, lease obligation, and purchase obligation. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Name Regulation S-X (SX) -Number 210 -Section 12 -Subsection 04 -Subparagraph (a) -Publisher SECReference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.12-04(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-3 + Details Name: srt_ContractualObligationFiscalYearMaturityScheduleTableTextBlock Namespace Prefix: srt_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_CommitmentsAndContingenciesDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of arrangements in which the entity has agreed to procure goods or services from one or more suppliers. May include identification of the goods or services to be purchased, identity of the seller, pricing, effects on pricing for failing to reach minimum quantities required to be purchased (such as penalties), cancellation rights, and termination provisions. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_PurchaseCommitmentExcludingLongtermCommitmentTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 61 R50.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Basis of Presentation and Business Changes and Development (Details) - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Sep. 30, 2023 Jun. 30, 2023 Mar. 31, 2023 Sep. 30, 2022 Mar. 31, 2022 Jun. 30, 2024 Jun. 30, 2023 Subsidiary or Equity Method Investee [Line Items] Â Â Â Â Â Â Â Â Impairment of assets $ 118 Â Â Â Â $ 118 Percentage of gas revenue generated in given period Â 32.50% Â Â 30.50% Â Â Â Other nonoperating income Â Â Â $ 3,100 Â Â Â Â Genie Retail Energy [Member] Â Â Â Â Â Â Â Â Subsidiary or Equity Method Investee [Line Items] Â Â Â Â Â Â Â Â Company's investment,

ownership percentage in subsidiary Â Â Â Â Â Â 100.00% Â Percentage of gas revenue generated in given period Â Â Â 48.10% Â 39.70% Â Â CityCom Solar [Member] Â Â Â Â Â Â Â Â Â Subsidiary or Equity Method Investee [Line Items] Â Â Â Â Â Â Â Â Company's investment, ownership percentage in subsidiary Â Â Â Â Â Â 92.80% Â Genie Solar Energy [Member] Â Â Â Â Â Â Â Â Â Subsidiary or Equity Method Investee [Line Items] Â Â Â Â Â Â Â Â Company's investment, ownership percentage in subsidiary Â Â Â Â Â Â 95.50% Â Diversegy [Member] Â Â Â Â Â Â Â Â Â Subsidiary or Equity Method Investee [Line Items] Â Â Â Â Â Â Â Â Company's investment, ownership percentage in subsidiary Â Â Â Â Â Â 91.50% Â Genie Solar Energy [Member] Â Â Â Â Â Â Â Â Subsidiary or Equity Method Investee [Line Items] Â Â Â Â Â Â Â Â Impairment of assets Â Â Â Â Â Â $ 100 Â Genie Solar Energy [Member] | Prism Solar Technology [Member] Â Â Â Â Â Â Â Â Subsidiary or Equity Method Investee [Line Items] Â Â Â Â Â Â Â Â Company's investment, ownership percentage in subsidiary Â Â Â Â Â Â 60.00% Â X - DefinitionPercentage of gas revenue generated in given period. + ReferencesNo definition available. + Details Name: gne_PercentageOfGasRevenueGeneratedInGivenPeriod Namespace Prefix: gne_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionAmount of write-down of assets recognized in the income statement. Includes, but is not limited to, losses from tangible assets, intangible assets and goodwill. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 360 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-4 + Details Name: us-gaap_AssetImpairmentCharges Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of income related to nonoperating activities, classified as other. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(7)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_OtherNonoperatingIncome Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionPercentage of subsidiary's or equity method investee's stock owned by parent immediately after all stock transactions. + ReferencesNo definition available. + Details Name: us-gaap_SubsidiaryOrEquityMethodInvesteeCumulativePercentageOwnershipAfterAllTransactions Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_SubsidiaryOrEquityMethodInvesteeLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: srt_ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis=gne_GenieRetailEnergyMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis=gne_CityComSolarMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis=gne_GenieSolarEnergyMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis=gne_DiversegyMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: dei_LegalEntityAxis=gne_GenieSolarEnergyMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis=gne_PrismSolarTechnologyMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 62 R51.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Cash, Cash Equivalents, and Restricted Cash (Details) - USD ($) $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Jun. 30, 2023 Cash, Cash Equivalents, and Restricted Cash Â Â Â Cash and cash equivalents $ 122,342 $ 107,609 Â Restricted cashâ€”short-term 9,178 10,442 Â Restricted cashâ€”long-term 46,400 44,945 Â Total cash, cash equivalents, and restricted cash $ 177,920 $ 162,996 $ 114,658 X - ReferencesNo definition available. + Details Name: us-gaap_CashAndCashEquivalentsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4 + Details Name: us-gaap_CashAndCashEquivalentsAtCarryingValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage. Excludes amount for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4 + Details Name: us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of cash and cash equivalents restricted as to withdrawal or usage, classified as current. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 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/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 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_RestrictedCashAndCashEquivalentsAtCarryingValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of cash and cash equivalents restricted as to withdrawal or usage, classified as noncurrent. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 5 -SubTopic 210 -Topic 954 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477220/954-210-45-5 + Details Name: us-gaap_RestrictedCashAndCashEquivalentsNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 63 R52.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Cash, Cash Equivalents, and Restricted Cash (Details Textual) $ in Millions Jun. 30, 2024 USD ($) Captive Insurance Company [Member] Â Cash and Cash Equivalents [Line Items] Â Restricted Cash, Current $ 5.1 X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_CashAndCashEquivalentsLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of cash restricted as to withdrawal or usage, classified as current. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8 + Details Name: us-gaap_RestrictedCashCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: dei_LegalEntityAxis=gne_CaptiveInsuranceCompanyMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 64 R53.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Inventories (Details) - USD ($) $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Inventories Â Â Natural gas $ 737 $ 1,309 Renewable credits 4,827 12,105 Solar panels, net of a valuation allowance of $nil million and $0.8 million at June 30, 2024 and December 31, 2023, respectively 73 1,184 Totals $ 5,637 $ 14,598 X - DefinitionCarrying amount as of the balance sheet date of producing electric energy by transforming solar energy. + ReferencesNo definition available. + Details Name: gne_ElectricityGenerationRelatedInventoriesSolarPanels Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: gne_InventoriesRenewableCredits Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionCarrying amount as of the balance sheet date of liquid hydrocarbon components recovered from natural gas. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_EnergyRelatedInventoryNaturalGasLiquids Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_InventoryDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount after valuation and LIFO reserves of inventory expected to be sold, or consumed within one year or operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 65 R54.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Inventories (Details Textual) - USD ($) $ in Millions Jun. 30, 2024 Dec. 31, 2023 Inventories Â Â Solar panels, valuation allowance $ 0.8 Inventory valuation allowance $ 0.4 Â X - DefinitionThe amount of valuation reserve for producing electric energy by transforming solar energy inventory. + ReferencesNo definition available. + Details Name: gne_ElectricityGenerationRelatedInventoriesSolarPanelsInventoryValuationReserves Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_InventoryDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of valuation reserve for inventory. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 330 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.BB) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480581/330-10-S99-2Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryValuationReserves Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 66 R55.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Revenue Recognition (Details) - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues $ 90,696 $ 93,463 $ 210,384 $ 198,739 Electricity [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues 78,301 80,199 167,697 154,686 Natural gas [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues 8,414 8,975 30,812 35,900 Other [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues 3,981 4,289 11,875 8,153 Fixed rate [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues 50,502 50,608 110,027 85,728 Fixed rate [Member] | Electricity [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues 47,207 47,625 99,303 77,130 Fixed rate [Member] | Natural gas [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues 3,295 2,983 10,724 8,598 Fixed rate [Member] | Other [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues Variable rate [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues 36,213 38,566 88,482 104,858 Variable rate [Member] | Electricity [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues 31,094 32,574 68,394 77,556 Variable rate [Member] | Natural gas [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues 5,119 5,992 20,088 27,302 Variable rate [Member] | Other [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues Other [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues 3,981 4,289 11,875 8,153 Other [Member] | Electricity [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues Other [Member] | Natural gas [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues Other [Member] | Other [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â

Â Â Â Total revenues $ 3,981 $ 4,289 $ 11,875 $ 8,153 X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-5Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 6: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 8: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91 + Details Name: us-gaap_DisaggregationOfRevenueLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount 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). + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 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: 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/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-40Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 25: 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 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_Revenues Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - Details Name: srt_ProductOrServiceAxis=us-gaap_ElectricityMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=us-gaap_OilAndGasMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=us-gaap_ProductAndServiceOtherMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ContractWithCustomerBasisOfPricingAxis=us-gaap_FixedPriceContractMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ContractWithCustomerBasisOfPricingAxis=us-gaap_TimeAndMaterialsContractMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ContractWithCustomerBasisOfPricingAxis=gne_OtherPricingPlansOfferedMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 67 R56.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Revenue Recognition (Details 1) - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues $ 90,696 $ 93,463 $ 210,384 $ 198,739 Electricity [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues 78,301 80,199 167,697 154,686 Natural gas [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues 8,414 8,975 30,812 35,900 Other [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues 3,981 4,289 11,875 8,153 Non-Commercial Channel [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues 75,543 71,271 178,252 152,175 Non-Commercial Channel [Member] | Electricity [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues 72,759 65,332 155,701 125,454 Non-Commercial Channel [Member] | Natural gas [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues 2,784 5,939 22,551 26,721 Non-Commercial Channel [Member] | Other [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues Commercial Channel [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues 11,172 17,903 20,257 38,411 Commercial Channel [Member] | Electricity [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues 5,542 14,867 11,996 29,232 Commercial Channel [Member] | Natural gas [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues 5,630 3,036 8,261 9,179 Commercial Channel [Member] | Other [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues Other [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues 3,981 4,289 11,875 8,153 Other [Member] | Electricity [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues Other [Member] | Natural gas [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues Other [Member] | Other [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total revenues $ 3,981 $ 4,289 $ 11,875 $ 8,153 X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-5Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 6: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 8: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91 + Details Name: us-gaap_DisaggregationOfRevenueLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount 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). + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 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: 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/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-40Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 25: 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 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_Revenues Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - Details Name: srt_ProductOrServiceAxis=us-gaap_ElectricityMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=us-gaap_OilAndGasMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=us-gaap_ProductAndServiceOtherMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ContractWithCustomerSalesChannelAxis=gne_NonCommercialChannelMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ContractWithCustomerSalesChannelAxis=gne_CommercialChannelMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ContractWithCustomerSalesChannelAxis=gne_OtherCommercialChannelMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 68 R57.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Revenue Recognition (Details 2) - USD ($) $ in Thousands 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Revenue Recognition Â Â Contract liability, beginning $ 5,582 $ 1,759 Recognition of revenue included in the beginning of the year contract liability (3,691) (736) Additions during the period, net of revenue recognized during the period 2,117 1,714 Contract liability, end $ 4,008 $ 2,737 X - DefinitionAmount of obligation to transfer good or service to customer for which consideration has been received or is receivable. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-8Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-2 + Details Name: us-gaap_ContractWithCustomerLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of increase (decrease) in revenue recognized for cumulative catch-up adjustment from contract modification which (increases) decreases obligation to transfer good or service to customer for which consideration from customer has been received or is due. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-10 + Details Name: us-gaap_ContractWithCustomerLiabilityCumulativeCatchUpAdjustmentToRevenueModificationOfContract Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of revenue recognized that was previously included in balance of obligation to transfer good or service to customer for which consideration from customer has been received or is due. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-8 + Details Name: us-gaap_ContractWithCustomerLiabilityRevenueRecognized Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_RevenueFromContractWithCustomerAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 69 R58.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Revenue Recognition (Details 3) - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Accounts Receivable, Allowance for Credit Loss [Roll Forward] Â Â Â Â Allowance for doubtful accounts, beginning Â Â $ 6,574 $ 4,826 Additions charged to expense $ 481 $ 798 1,210 1,372 Other deductions Â Â (435) Allowance for doubtful accounts, end $ 7,349 $ 6,198 $ 7,349 $ 6,198 X - DefinitionAmount of allowance for credit loss on accounts receivable. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479344/326-20-45-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481962/310-10-50-4Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479319/326-20-50-13Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479319/326-20-50-13 + Details Name: us-gaap_AllowanceForDoubtfulAccountsReceivable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of increase (decrease) in allowance for credit loss on accounts receivable. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479319/326-20-50-13 + Details Name: us-gaap_AllowanceForDoubtfulAccountsReceivablePeriodIncreaseDecrease Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: na Period Type: duration X - DefinitionA roll forward is a reconciliation of a concept from the beginning of a period to the end of a period. + ReferencesNo definition available. + Details Name: us-gaap_AllowanceForDoubtfulAccountsReceivableRollforward Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of expense (reversal of expense) for expected credit loss on accounts receivable. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479319/326-20-50-13Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_ProvisionForDoubtfulAccounts Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration XML 70 R59.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Acquisitions and Discontinued Operations (Details) - USD ($) $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Business Acquisition [Line Items] Â Â Goodwill $ 12,658 $ 9,998 RodedÂ RecyclingÂ Industries Ltd. [Member] Â Â Business Acquisition [Line Items] Â Â CashÂ andÂ other current liabilities 200 Â Property, plant and equipment 573 Â Goodwill 2,660 Â Liabilities (850) Â Noncontrolling interest (1,243) Â Net assets $ 1,340 Â X - DefinitionAmount of cash and other liabilities due within one year or within the normal operating cycle, if longer, assumed at the acquisition date. + ReferencesNo definition available. + Details Name: gne_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedCashAndOtherCurrentLiabilities Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479907/805-20-50-5 + Details Name: us-gaap_BusinessAcquisitionLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThis element represents the fair value of the noncontrolling interest in the acquiree at the acquisition date. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 805 -SubTopic 20 -Section 50 -Paragraph 1 -Subparagraph (e)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479907/805-20-50-1 + Details Name: us-gaap_BusinessCombinationAcquisitionOfLessThan100PercentNoncontrollingInterestFairValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of assets acquired at the acquisition date. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 805 -SubTopic 20 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479907/805-20-50-1 + Details Name: us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of liabilities assumed at the acquisition date. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 805 -SubTopic 20 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479907/805-20-50-1 + Details Name: us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedLiabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionThe amount of property, plant, and equipment recognized as of the acquisition date. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 805 -SubTopic 10 -Section 55 -Paragraph 37 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479303/805-10-55-37Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 805 -SubTopic 20 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479907/805-20-50-1 + Details Name: us-gaap_BusinessCombinationRecognizedIdentifiableAssetsAcquiredAndLiabilitiesAssumedPropertyPlantAndEquipment Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount, after accumulated impairment loss, of asset representing future economic benefit arising from other asset acquired in business combination or from joint venture formation or both, that is not individually identified and separately recognized. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482548/350-20-55-24Reference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 100 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-100Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(15)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482598/350-20-45-1Reference 7: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(10)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1 + Details Name: us-gaap_Goodwill Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_BusinessAcquisitionAxis=gne_RodedRecyclingIndustriesLtdMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 71 R60.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Acquisitions and Discontinued Operations (Details 1) - USD ($) $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Assets Â Â Current assets of discontinued operations $ 7,080 $ 13,182 Noncurrent assets of discontinued operations 4,295 7,405 Liabilities Â Â Current liabilities of discontinued operations 4,790 4,858 Noncurrent liabilities of discontinued operations 678 638 Lumo Finland and Lumo Sweden [Member] Â Â Assets Â Â Cash 1,281 2,483 Receivables from the settlement of derivative contractâ€”current 5,799 10,699 Current assets of discontinued operations 7,080 13,182 Receivables from the settlement of derivative contractâ€”noncurrent 2,362 Other noncurrent assets 4,295 5,078 Noncurrent assets of discontinued operations 4,295 7,440 Liabilities Â Â Income taxes payable 2,039 1,399 Accounts payable and other current liabilities 31 91 Current liabilities of discontinued operations 2,070 1,490 Deferred tax liabilities 678 698 Noncurrent liabilities of discontinued operations $ 678 $ 698 X - DefinitionAmount classified as accounts payable and other current liabilities attributable to disposal group held for sale or disposed of, expected to be disposed of within one year or the normal operating cycle, if longer. + ReferencesNo definition available. + Details Name: gne_DisposalGroupIncludingDiscontinuedOperationAccountsPayableAndOtherCurrentLiabilities Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount classified as receivables from the settlement of the derivative contract noncurrent

attributable to disposal group held for sale or disposed of, expected to be disposed of within one year or the normal operating cycle, if longer. + ReferencesNo definition available. + Details Name: gne_DisposalGroupIncludingDiscontinuedOperationReceivablesFromSettlementOfDerivativeContractNonCurrent Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount classified as receivables from the settlement of the derivative contract current attributable to disposal group held for sale or disposed of, expected to be disposed of within one year or the normal operating cycle, if longer. + ReferencesNo definition available. + Details Name: gne_DisposalGroupIncludingDiscontinuedOperationReceivablesFromSettlementOfTheDerivativeContractCurrent Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_AssetsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount classified as assets attributable to disposal group held for sale or disposed of, expected to be disposed of within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10 -SubTopic 20 -Topic 205 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-10Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5CReference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-9Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5BReference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-3Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-11 + Details Name: us-gaap_AssetsOfDisposalGroupIncludingDiscontinuedOperationCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount classified as income tax obligations attributable to disposal group held for sale or disposed of, expected to be disposed of within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10 -SubTopic 20 -Topic 205 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-10Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-9Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5BReference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-3Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-11 + Details Name: us-gaap_DisposalGroupIncludingDiscontinuedOperationAccruedIncomeTaxesPayable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount classified as assets attributable to disposal group held for sale or disposed of, expected to be disposed of after one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10 -SubTopic 20 -Topic 205 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-10Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 11 -SubTopic 10 -Topic 360 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-11Reference 3: 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 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5CReference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5BReference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-3Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-11 + Details Name: us-gaap_DisposalGroupIncludingDiscontinuedOperationAssetsNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount classified as cash and cash equivalents attributable to disposal group held for sale or disposed of. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10 -SubTopic 20 -Topic 205 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-10Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5BReference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-3Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-11 + Details Name: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount classified as deferred tax liabilities attributable to disposal group held for sale or disposed of. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10 -SubTopic 20 -Topic 205 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-10Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5BReference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-3Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-11 + Details Name: us-gaap_DisposalGroupIncludingDiscontinuedOperationDeferredTaxLiabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount classified as other assets attributable to disposal group held for sale or disposed of, expected to be disposed of after one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10 -SubTopic 20 -Topic 205 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-10Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 11 -SubTopic 10 -Topic 360 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-11Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5BReference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-3Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-11 + Details Name: us-gaap_DisposalGroupIncludingDiscontinuedOperationOtherNoncurrentAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_LiabilitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount classified as liabilities attributable to disposal group held for sale or disposed of, expected to be disposed of within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10 -SubTopic 20 -Topic 205 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-10Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5CReference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-9Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5BReference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-3Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-11 + Details Name: us-gaap_LiabilitiesOfDisposalGroupIncludingDiscontinuedOperationCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount classified as liabilities attributable to disposal group held for sale or disposed of, expected to be disposed of beyond one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10 -SubTopic 20 -Topic 205 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-10Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 11 -SubTopic 10 -Topic 360 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-11Reference 3: 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 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5CReference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5BReference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-3Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-11 + Details Name: us-gaap_LiabilitiesOfDisposalGroupIncludingDiscontinuedOperationNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Details Name: us-gaap_IncomeStatementBalanceSheetAndAdditionalDisclosuresByDisposalGroupsIncludingDiscontinuedOperationsAxis=gne_LumoFinlandAndLumoSwedenMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 72 R61.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Acquisitions and Discontinued Operations (Details 2) - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Discontinued Operations [Line Items] Â Â Â Â Net loss from discontinued operations, net of taxes $ (145) $ 3,173 $ (410) $ 6,227 Lumo Finland and Lumo Sweden [Member] Â Â Â Â Discontinued Operations [Line Items] Â Â Â Â Income from operations Other income, net 60 946 (503) 1,196 Income before income taxes 60 946 (503) 1,196 Provision for income taxes 85 (337) 93 (405) Net loss from discontinued operations, net of taxes 145 609 (410) 791 Income before income taxes attributable to Genie Energy Ltd. $ 60 $ 946 $ (503) $ 1,196 X - DefinitionThe amount of other income (loss) attributable to disposal group, including, but not limited to, discontinued operation. + ReferencesNo definition available. + Details Name: gne_DisposalGroupIncludingDiscontinuedOperationOtherIncomeLoss Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount before tax of income (loss) from a discontinued operation. Includes, but is not limited to, the income (loss) from operations during the phase-out period, gain (loss) on disposal, gain (loss) for reversal of write-down (write-down) to fair value, less cost to sell, and adjustments to a prior period gain (loss) on disposal. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(12)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3A -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3AReference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5BReference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3B -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3BReference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-4Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(14)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_DiscontinuedOperationIncomeLossFromDiscontinuedOperationBeforeIncomeTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of tax expense (benefit) related to a discontinued operation. Includes, but is not limited to, tax expense (benefit) related to

income (loss) from operations during the phase-out period, tax expense (benefit) related to gain (loss) on disposal, tax expense (benefit) related to gain (loss) for reversal of write-down (write-down) to fair value, less cost to sell, and tax expense (benefit) related to adjustments of a prior period gain (loss) on disposal. + ReferencesReference 1: 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 2: 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 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482659/740-20-45-2Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3A -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3AReference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5BReference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5CReference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3B -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3BReference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-4Reference 9: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-1 + Details Name: us-gaap_DiscontinuedOperationTaxEffectOfDiscontinuedOperation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of operating income (loss) attributable to disposal group, including, but not limited to, discontinued operation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5B + Details Name: us-gaap_DisposalGroupIncludingDiscontinuedOperationOperatingIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount, before tax, of income (loss) attributable to parent. Includes, but is not limited to, income (loss) from continuing operations, discontinued operations and equity method investments. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-6 + Details Name: us-gaap_IncomeLossAttributableToParent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount after tax of income (loss) from a discontinued operation including the portion attributable to the noncontrolling interest. Includes, but is not limited to, the income (loss) from operations during the phase-out period, gain (loss) on disposal, gain (loss) for reversal of write-down (write-down) to fair value, less cost to sell, and adjustments to a prior period gain (loss) on disposal. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(12)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 270 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477349/740-270-45-3Reference 3: 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 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3A -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3AReference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5CReference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3B -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3BReference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-4Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-1Reference 9: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3 + Details Name: us-gaap_IncomeLossFromDiscontinuedOperationsNetOfTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_IncomeStatementBalanceSheetAndAdditionalDisclosuresByDisposalGroupsIncludingDiscontinuedOperationsLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_IncomeStatementBalanceSheetAndAdditionalDisclosuresByDisposalGroupsIncludingDiscontinuedOperationsAxis=gne_LumoFinlandAndLumoSwedenMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 73 R62.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Acquisitions and Discontinued Operations (Details 3) - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Discontinued Operations [Line Items] Â Â Â Â Net (loss) income $ (145) $ 3,173 $ (410) $ 6,227 Lumo Finland and Lumo Sweden [Member] Â Â Â Â Discontinued Operations [Line Items] Â Â Â Â Net (loss) income $ 145 $ 609 (410) 791 Non-cash items Â Â 398 (1,198) Changes in assets and liabilities Â Â 6,964 16,078 Cash flows provided by operating activities of discontinued operations Â Â $ 6,952 $ 15,671 X - DefinitionAmount of changes in assets and liabilities attributable to disposal group, including, but not limited to, discontinued operation. + ReferencesNo definition available. + Details Name: gne_DiscontinuedOperationsChangesInAssetsAndLiabilities Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of non-cash items attributable to disposal group, including, but not limited to, discontinued operation. + ReferencesNo definition available. + Details Name: gne_DiscontinuedOperationsNonCashItems Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash inflow (outflow) of operating activities of discontinued operations. Operating activity cash flows include transactions, adjustments, and changes in value not defined as investing or financing activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (c)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5B + Details Name: us-gaap_CashProvidedByUsedInOperatingActivitiesDiscontinuedOperations Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount after tax of income (loss) from a discontinued operation including the portion attributable to the noncontrolling interest. Includes, but is not limited to, the income (loss) from operations during the phase-out period, gain (loss) on disposal, gain (loss) for reversal of write-down (write-down) to fair value, less cost to sell, and adjustments to a prior period gain (loss) on disposal. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(12)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 270 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477349/740-270-45-3Reference 3: 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 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3A -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3AReference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5CReference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3B -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3BReference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-4Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-1Reference 9: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3 + Details Name: us-gaap_IncomeLossFromDiscontinuedOperationsNetOfTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_IncomeStatementBalanceSheetAndAdditionalDisclosuresByDisposalGroupsIncludingDiscontinuedOperationsLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_IncomeStatementBalanceSheetAndAdditionalDisclosuresByDisposalGroupsIncludingDiscontinuedOperationsAxis=gne_LumoFinlandAndLumoSwedenMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 74 R63.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Acquisitions and Discontinued Operations (Details Textual) $ in Thousands, â,¬ in Millions, â‚¹ in Millions, Â£ in Millions 1 Months Ended 3 Months Ended 6 Months Ended 17 Months Ended Nov. 08, 2023 EUR (â‚¬) Nov. 03, 2023 USD ($) Mar. 11, 2023 Entities Feb. 29, 2024 USD ($) Dec. 31, 2022 USD ($) Dec. 31, 2022 ILS (â‚ª) Jun. 30, 2024 USD ($) Jun. 30, 2023 USD ($) Jun. 30, 2024 USD ($) Jun. 30, 2024 EUR (â‚¬) Jun. 30, 2023 USD ($) Apr. 30, 2024 USD ($) Jun. 30, 2024 GBP (Â£) Jun. 30, 2024 EUR (â‚¬) Dec. 31, 2023 USD ($) Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Net book value Â Â Â Â Â Â $ 3,834 Â $ 3,834 Â Â Â Â Â $ 2,605 Income from discontinued operations, net of taxes Â Â Â Â Â Â (145) $ 3,173 (410) Â $ 6,227 Â Â Â Â Gain (Loss) on Sale of Derivatives Â Â Â Â Â Â Â Â 43,000 â‚¬ 40.0 Â Â Â Â Â Settlement payment amount Â Â Â Â Â Â 5,200 Â 5,200 Â Â Â Â â‚¬ 4.8 Â Loss Contingency, Receivable Â Â Â Â Â Â 23,700 Â 23,700 Â Â Â Â£ 18.8 Â Â Lumo Finland Grant [Member] | Recovery of payments [Member] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Settlement payment amount Â Â Â Â Â Â 4,500 Â 4,500 Â Â Â Â 4.2 Â Â Lumo Finland Grant [Member] | Recovery Of Payments Under Parental Guarantee [Member] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Settlement payment amount Â Â Â Â Â Â 1,700 Â 1,700 Â Â Â Â â‚¬ 1.6 Â Lumo Finland and Lumo Sweden [Member] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Income from discontinued operations, net of taxes Â Â Â Â Â Â 145 609 (410) Â 791 Â Â Â Â Cash Â Â Â Â Â Â 1,281 Â 1,281 Â Â Â Â Â 2,483 Income taxes payable Â Â Â Â Â Â $ 2,039 Â 2,039 Â Â Â Â Â $ 1,399 United Kingdom Operations [Member] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Income from discontinued operations, net of taxes Â Â Â Â Â Â $ 2,600 0 Â $ 5,400 Â Â Â Â OCH Holding Company and Entrust Green Initiative Fund, LLC [Member] | Special purpose entities Which Operates in Ohio and Michigan [Member] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Number of special purpose entities acquired | Entities Â Â 10 Â Â Â Â Â Â Â Â Â Â Â Â Â Â Business acquisition, amount held in escrow Â $ 1,000 Â Â Â Â Â Â Â Â Â Â Â Â Â Â OCH Holding Company and Entrust Green Initiative Fund, LLC [Member] | Special purpose entities Which Operates in Ohio and Michigan [Member] | Solar System Facilities [Member] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Asset Acquisition, Purchase Price Â 7,700 Â Â Â Â Â Â Â Â Â Â Â Â Â Â Asset Acquisition, Consideration Transferred, Transaction Cost Â 200 Â Â Â Â Â Â Â Â Â Â Â Â Â Â OCH Holding Company and Entrust Green Initiative Fund, LLC [Member] | Special purpose entity Which Operates in Indiana [Member] | Solar System Facilities [Member] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Asset Acquisition, Purchase Price Â Â Â $ 1,300 Â Â Â Â Â Â Â Â Â Â Property, Plant and Equipment, Useful Life Â Â Â 30 years Â Â Â Â Â Â Â Â Â Â Â Â Lumo Sweden [Member] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Gain (Loss) on Sale of Derivatives â‚¬ 35.2 Â Â Â Â Â Â Â Â $ 37,800 Â Â Â Â Â Â Â Lumo Sweden [Member] | Electricity Swap Instruments [Member] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Â Â New note payment terms, description Â Â Â Â Â Â Â Â settled monthly based on the monthly commodity volume specified in the instruments from September 2022 to March 2025 settled monthly based on the monthly commodity volume specified in the instruments from September 2022 to March 2025 Â Â Â Â Â OCH Holding Company and Entrust Green Initiative Fund, LLC [Member] | Special purpose entities Which Operates in Ohio and Michigan [Member] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Business acquisition, purchase price Â 7,500 Â Â Â Â Â Â Â Â Â Â Â Â OCH Holding Company and Entrust Green Initiative Fund, LLC [Member] | Special purpose entity Which Operates in Indiana [Member] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Business acquisition, purchase price Â $ 1,300 Â

Â Â Â Â Â Â Â Â Â Â Â Â Â RodedÂ RecyclingÂ Industries Ltd. [Member] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Business acquisition, percentage of voting interests acquired Â Â Â Â 45.00% 45.00% Â Â Â Â Â Â Â Â Â Â Net book value Â Â Â Â Â Â Â Â Â Â Â Â $ 1,300 Â Â Â Minority interest percentage Â Â Â Â Â Â Â Â Â Â Â Â 51.20% Â Â Â Business acquisition, purchase price Â Â Â Â Â $ 1,500 â,ª 5.0 Â Â Â Â Â Â Â Â Â Â Â Â Consolidation, Less than Wholly Owned Subsidiary, Parent Ownership Interest, Changes, Purchase of Interest by Parent Â Â Â Â Â Â Â Â Â Â Â Â $ 400 Â Â Â Maximum [Member] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Property, Plant and Equipment, Useful Life Â 30 years Â Â Â Â 10 years Â 10 years Â Â Â 10 years 10 years Â Minimum [Member] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Income Statement, Balance Sheet and Additional Disclosures by Disposal Groups, Including Discontinued Operations [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Property, Plant and Equipment, Useful Life Â 14 years Â Â Â Â 1 year Â 1 year Â Â Â 1 year 1 year Â X - DefinitionThe amount of cash held in escrow transferred as consideration by the entity to the former owners of the acquiree. + ReferencesNo definition available. + Details Name: gne_BusinessCombinationConsiderationTransferredAmountHeldinEscrow Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe number of special purpose entities acquired in a business combination. + ReferencesNo definition available. + Details Name: gne_BusinessCombinationNumberOfSpecialPurposeEntitiesAcquired Namespace Prefix: gne_ Data Type: xbrli:integerItemType Balance Type: na Period Type: duration X - DefinitionAmount of transaction cost incurred as part of consideration transferred in asset acquisition. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 805 -SubTopic 50 -Name Accounting Standards Codification -Section 55 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479908/805-50-55-1Reference 2: 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 3: 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 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 805 -SubTopic 50 -Name Accounting Standards Codification -Section 30 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480027/805-50-30-2 + Details Name: us-gaap_AssetAcquisitionConsiderationTransferredTransactionCost Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionPurchase price of expected asset acquisition prior to consideration being transferred. Excludes business acquisition. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 805 -SubTopic 50 -Name Accounting Standards Codification -Section 15 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480123/805-50-15-3 + Details Name: us-gaap_AssetAcquisitionPriceOfAcquisitionExpected Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionPercentage of voting equity interests acquired at the acquisition date in the business combination. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 805 -SubTopic 10 -Section 50 -Paragraph 2 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479328/805-10-50-2 + Details Name: us-gaap_BusinessAcquisitionPercentageOfVotingInterestsAcquired Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - DefinitionAmount of consideration transferred, consisting of acquisition-date fair value of assets transferred by the acquirer, liabilities incurred by the acquirer, and equity interest issued by the acquirer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 30 -Paragraph 8 -SubTopic 30 -Topic 805 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479637/805-30-30-8Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -SubTopic 30 -Topic 805 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479581/805-30-50-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 30 -Paragraph 7 -SubTopic 30 -Topic 805 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479637/805-30-30-7 + Details Name: us-gaap_BusinessCombinationConsiderationTransferred1 Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionPercentage of voting equity interests acquired in a business combination achieved in stages, including equity interests in the acquiree held by the acquirer immediately before the acquisition date and acquired at the acquisition date. + ReferencesNo definition available. + Details Name: us-gaap_BusinessCombinationStepAcquisitionEquityInterestInAcquireeIncludingSubsequentAcquisitionPercentage Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - DefinitionRepresents the purchase by the parent of an additional equity interest in a subsidiary during the period, thereby effecting a change in total (consolidated) equity attributable to the parent. The purchase of the additional equity interest represented by this element increases the parent's controlling interest in the subsidiary. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 810 -SubTopic 10 -Section 55 -Paragraph 4M -Publisher FASB -URI https://asc.fasb.org/1943274/2147481175/810-10-55-4MReference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 505 -SubTopic 10 -Section S99 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (d) -SubTopic 10 -Topic 810 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1A + Details Name: us-gaap_ConsolidationLessThanWhollyOwnedSubsidiaryParentOwnershipInterestChangesPurchaseOfInterestByParent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionDescription of the payment terms of the debt instrument (for example, whether periodic payments include principal and frequency of payments) and discussion about any contingencies associated with the payment. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)(a)(3)) -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 942 -SubTopic 470 -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477734/942-470-50-3 + Details Name: us-gaap_DebtInstrumentPaymentTerms Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount classified as income tax obligations attributable to disposal group held for sale or disposed of, expected to be disposed of within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10 -SubTopic 20 -Topic 205 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-10Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-9Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5BReference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-3Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-11 + Details Name: us-gaap_DisposalGroupIncludingDiscontinuedOperationAccruedIncomeTaxesPayable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount classified as cash and cash equivalents attributable to disposal group held for sale or disposed of. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10 -SubTopic 20 -Topic 205 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-10Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5BReference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-3Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-11 + Details Name: us-gaap_DisposalGroupIncludingDiscontinuedOperationCashAndCashEquivalents Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionThis item represents the carrying amount on the entity's balance sheet of its investment in common stock of an equity method investee. This is not an indicator of the fair value of the investment, rather it is the initial cost adjusted for the entity's share of earnings and losses of the investee, adjusted for any distributions (dividends) and other than temporary impairment (OTTI) losses recognized. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481664/323-10-45-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(10)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 25 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-25 + Details Name: us-gaap_EquityMethodInvestments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionThe difference between the book value and the sale price of options, swaps, futures, forward contracts, and other derivative instruments. This element refers to the gain (loss) included in earnings. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(13)(h)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(7)(a)(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(7)(a)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(7)(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(7)(a)(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1 + Details Name: us-gaap_GainLossOnSaleOfDerivatives Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount after tax of income (loss) from a discontinued operation including the portion attributable to the noncontrolling interest. Includes, but is not limited to, the income (loss) from operations during the phase-out period, gain (loss) on disposal, gain (loss) for reversal of write-down (write-down) to fair value, less cost to sell, and adjustments to a prior period gain (loss) on disposal. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(12)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 270 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477349/740-270-45-3Reference 3: 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 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3A -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3AReference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5CReference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3B -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3BReference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-4Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-1Reference 9: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3 + Details Name: us-gaap_IncomeLossFromDiscontinuedOperationsNetOfTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_IncomeStatementBalanceSheetAndAdditionalDisclosuresByDisposalGroupsIncludingDiscontinuedOperationsLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionReflects the estimated amount of loss from the specified contingency as of the balance sheet date. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 720 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483359/720-20-50-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 27 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482395/460-10-55-27Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-

9Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-4Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-2 + Details Name: us-gaap_LossContingencyEstimateOfPossibleLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of receivable related to a loss contingency accrual. For example, an insurance recovery receivable. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-3 + Details Name: us-gaap_LossContingencyReceivable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionUseful life of long lived, physical assets used in the normal conduct of business and not intended for resale, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. Examples include, but not limited to, land, buildings, machinery and equipment, office equipment, furniture and fixtures, and computer equipment. + ReferencesNo definition available. + Details Name: us-gaap_PropertyPlantAndEquipmentUsefulLife Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: instant X - Details Name: dei_LegalEntityAxis=gne_LumoFinlandGrantMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_GuaranteeObligationsByNatureAxis=gne_RecoveryOfPaymentsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_GuaranteeObligationsByNatureAxis=gne_RecoveryOfPaymentsUnderParentalGuaranteeMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_IncomeStatementBalanceSheetAndAdditionalDisclosuresByDisposalGroupsIncludingDiscontinuedOperationsAxis=gne_LumoFinlandAndLumoSwedenMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_IncomeStatementBalanceSheetAndAdditionalDisclosuresByDisposalGroupsIncludingDiscontinuedOperationsAxis=gne_UnitedKingdomOperationsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AssetAcquisitionAxis=gne_OchHoldingCompanyAndEntrustGreenInitiativeFundLlcMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_OwnershipAxis=gne_SpecialPurposeEntitiesWhichOperatesInOhioAndMichiganMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_CapitalizedCostsOfUnprovedPropertiesExcludedFromAmortizationByPropertyOrProjectAxis=gne_SolarSystemFacilitiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_OwnershipAxis=gne_SpecialPurposeEntityWhichOperatesInIndianaMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_BusinessAcquisitionAxis=gne_LumoSwedenMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FinancialInstrumentAxis=gne_ElectricitySwapInstrumentsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_BusinessAcquisitionAxis=gne_OchHoldingCompanyAndEntrustGreenInitiativeFundLlcMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_BusinessAcquisitionAxis=gne_RodedRecyclingIndustriesLtdMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_RangeAxis=srt_MaximumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_RangeAxis=srt_MinimumMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 75 R64.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Fair Value Measurements (Details) - USD ($) $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Assets: Â Â Marketable equity securities $ 344 $ 396 Derivative Asset, Statement of Financial Position [Extensible Enumeration] Other Assets, Noncurrent Other Assets, Noncurrent Liabilities: Â Â Derivative Liability, Statement of Financial Position [Extensible Enumeration] Total other liabilities Total other liabilities Recurring [Member] Â Â Assets: Â Â Marketable equity securities $ 344 $ 396 Derivative contracts 750 673 Liabilities: Â Â Derivative contracts 592 1,724 Level 1 [Member] | Recurring [Member] Â Â Assets: Â Â Marketable equity securities [1] 344 396 Derivative contracts [1] 750 673 Liabilities: Â Â Derivative contracts [1] 592 1,724 Level 2 [Member] | Recurring [Member] Â Â Assets: Â Â Marketable equity securities [2] Derivative contracts [2] Liabilities: Â Â Derivative contracts [2] Level 3 [Member] | Recurring [Member] Â Â Assets: Â Â Marketable equity securities [3] Derivative contracts [3] Liabilities: Â Â Derivative contracts [3] [1] quoted prices in active markets for identical assets or liabilities [2] observable inputs other than quoted prices in active markets for identical assets and liabilities [3] no observable pricing inputs in the market X - ReferencesNo definition available. + Details Name: us-gaap_AssetsFairValueDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionIndicates line item in statement of financial position that includes derivative asset. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-4A + Details Name: us-gaap_DerivativeAssetStatementOfFinancialPositionExtensibleEnumeration Namespace Prefix: us-gaap_ Data Type: enum2:enumerationSetItemType Balance Type: na Period Type: instant X - DefinitionFair value, after the effects of master netting arrangements, of a financial asset or other contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means outside the contract or delivery of an asset. Includes assets not subject to a master netting arrangement and not elected to be offset. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 103 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-103Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 100 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-100Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-3Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478795/946-210-50-12Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478795/946-210-50-6Reference 11: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 55 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477439/946-210-55-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478795/946-210-50-6Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478795/946-210-50-6Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478795/946-210-50-6Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478795/946-210-50-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478795/946-210-50-1Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478795/946-210-50-1Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478795/946-210-50-1Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478795/946-210-50-6Reference 20: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478795/946-210-50-6Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(3)(c)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 320 -Name Accounting Standards Codification -Section S99 -Paragraph 5C -Subparagraph (SX 210.12-13C(Column H)(Footnote 7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477271/946-320-S99-5CReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(3)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 320 -Name Accounting Standards Codification -Section S99 -Paragraph 5 -Subparagraph (SX 210.12-13(Column A)(Footnote 3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477271/946-320-S99-5Reference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 320 -Name Accounting Standards Codification -Section S99 -Paragraph 5C -Subparagraph (SX 210.12-13C(Column H)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477271/946-320-S99-5CReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 320 -Name Accounting Standards Codification -Section S99 -Paragraph 5A -Subparagraph (SX 210.12-13A(Column E)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477271/946-320-S99-5AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 320 -Name Accounting Standards Codification -Section S99 -Paragraph 5B -Subparagraph (SX 210.12-13B(Column E)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477271/946-320-S99-5BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 320 -Name Accounting Standards Codification -Section S99 -Paragraph 5B -Subparagraph (SX 210.12-13B(Column E)(Footnote 4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477271/946-320-S99-5BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483466/210-20-50-3Reference 30: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483444/210-20-55-22Reference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483444/210-20-55-10Reference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-10 + Details Name: us-gaap_DerivativeAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionFair value, after the effects of master netting arrangements, of a financial liability or contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means outside the contract or delivery of an asset. Includes liabilities not subject to a master netting arrangement and not elected to be offset. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-3Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478795/946-210-50-6Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478795/946-210-50-6Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478795/946-210-50-6Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478795/946-210-50-6Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478795/946-210-50-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478795/946-210-50-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478795/946-210-50-1Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c)(2) -Publisher FASB -

URI https://asc.fasb.org/1943274/2147478795/946-210-50-1Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478795/946-210-50-6Reference 16: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478795/946-210-50-6Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(9)(e)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 320 -Name Accounting Standards Codification -Section S99 -Paragraph 5C -Subparagraph (SX 210.12-13C(Column H)(Footnote 7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477271/946-320-S99-5CReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(9)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(9)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 320 -Name Accounting Standards Codification -Section S99 -Paragraph 5 -Subparagraph (SX 210.12-13(Column G)(Footnote 8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477271/946-320-S99-5Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 320 -Name Accounting Standards Codification -Section S99 -Paragraph 5C -Subparagraph (SX 210.12-13C(Column H)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477271/946-320-S99-5CReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 320 -Name Accounting Standards Codification -Section S99 -Paragraph 5 -Subparagraph (SX 210.12-13(Column G)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477271/946-320-S99-5Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 320 -Name Accounting Standards Codification -Section S99 -Paragraph 5A -Subparagraph (SX 210.12-13A(Column E)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477271/946-320-S99-5AReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 320 -Name Accounting Standards Codification -Section S99 -Paragraph 5B -Subparagraph (SX 210.12-13B(Column E)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477271/946-320-S99-5BReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 320 -Name Accounting Standards Codification -Section S99 -Paragraph 5B -Subparagraph (SX 210.12-13B(Column E)(Footnote 4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477271/946-320-S99-5BReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483466/210-20-50-3Reference 28: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483444/210-20-55-22Reference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483444/210-20-55-10Reference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-10 + Details Name: us-gaap_DerivativeLiabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionIndicates line item in statement of financial position that includes derivative liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-4A + Details Name: us-gaap_DerivativeLiabilityStatementOfFinancialPositionExtensibleEnumeration Namespace Prefix: us-gaap_ Data Type: enum2:enumerationSetItemType Balance Type: na Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_LiabilitiesFairValueDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of investment in marketable security, classified as current. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_MarketableSecuritiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_FairValueByMeasurementFrequencyAxis=us-gaap_FairValueMeasurementsRecurringMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FairValueByFairValueHierarchyLevelAxis=us-gaap_FairValueInputsLevel1Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FairValueByFairValueHierarchyLevelAxis=us-gaap_FairValueInputsLevel2Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FairValueByFairValueHierarchyLevelAxis=us-gaap_FairValueInputsLevel3Member Namespace Prefix: Data Type: na Balance Type: Period Type: XML 76 R65.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Fair Value Measurements (Details 1) 3 Months Ended 6 Months Ended 12 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Dec. 31, 2023 Sales Revenue, Net [Member] | Customer Concentration Risk [Member] | Customer A [Member] Â Â Â Â Â Concentration Risk [Line Items] Â Â Â Â Â Concentration risk, percentage 23.00% 18.70% Â Â Â Sales Revenue, Net [Member] | Customer Concentration Risk [Member] | Customer B [Member] Â Â Â Â Â Concentration Risk [Line Items] Â Â Â Â Â Concentration risk, percentage Â Â Consolidated gross trade accounts receivable [Member] | Customer A [Member] Â Â Â Â Â Concentration Risk [Line Items] Â Â Â Â Â Concentration risk, percentage Â Â 20.70% Â 21.40% Consolidated gross trade accounts receivable [Member] | Customer Concentration Risk [Member] | Con Edison [Member] Â Â Â Â Â Concentration Risk [Line Items] Â Â Â Â Â Concentration risk, percentage Â Â 10.00% Â 10.00% X - DefinitionFor an entity that discloses a concentration risk in relation to quantitative amount, which serves as the "benchmark" (or denominator) in the equation, this concept represents the concentration percentage values derived from the division. + ReferencesNo definition available. + Details Name: gne_ConcentrationRiskPercentage Namespace Prefix: gne_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 954 -SubTopic 310 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478785/954-310-50-2 + Details Name: us-gaap_ConcentrationRiskLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_ConcentrationRiskByBenchmarkAxis=us-gaap_SalesRevenueNetMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ConcentrationRiskByTypeAxis=us-gaap_CustomerConcentrationRiskMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_MajorCustomersAxis=gne_CustomerAMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_MajorCustomersAxis=gne_CustomerBMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ConcentrationRiskByBenchmarkAxis=us-gaap_AccountsReceivableMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_MajorCustomersAxis=gne_CustomerMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 77 R66.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Fair Value Measurements (Details Textual) - Customer Concentration Risk [Member] 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Customer [Member] | Accounts Receivable [Member] Â Â Â Â Fair Value Measurements (Textual) Â Â Â Â Concentration risk, percentage Â Â 10.00% Â Customer [Member] | Revenues [Member] Â Â Â Â Fair Value Measurements (Textual) Â Â Â Â Concentration risk, percentage 10.00% 10.00% 10.00% 10.00% Customer A [Member] | Accounts Receivable [Member] Â Â Â Â Fair Value Measurements (Textual) Â Â Â Â Concentration risk, percentage Â Â 10.00% Â Customer A [Member] | Revenues [Member] Â Â Â Â Fair Value Measurements (Textual) Â Â Â Â Concentration risk, percentage Â Â 22.40% 13.20% Customer B [Member] | Revenues [Member] Â Â Â Â Fair Value Measurements (Textual) Â Â Â Â Concentration risk, percentage 10.00% Â Â Â X - DefinitionFor an entity that discloses a concentration risk in relation to quantitative amount, which serves as the "benchmark" (or denominator) in the equation, this concept represents the concentration percentage derived from the division. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 825 -SubTopic 10 -Section 50 -Paragraph 21 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-21Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 825 -SubTopic 10 -Section 50 -Paragraph 20 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-20Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 18 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-18Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 20 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-20 + Details Name: us-gaap_ConcentrationRiskPercentage1 Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_ReceivablesFairValueDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: srt_MajorCustomersAxis=gne_CustomerMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ConcentrationRiskByTypeAxis=us-gaap_CustomerConcentrationRiskMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ConcentrationRiskByBenchmarkAxis=us-gaap_AccountsReceivableMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ConcentrationRiskByBenchmarkAxis=us-gaap_SalesRevenueNetMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_MajorCustomersAxis=gne_CustomerAMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_MajorCustomersAxis=gne_CustomerBMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 78 R67.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Derivative Instruments (Details) 6 Months Ended Jun. 30, 2024 Electricity (in MWH) [Member] | Third quarter of 2024 Â Derivative [Line Items] Â Volume 41,712 Electricity (in MWH) [Member] | Fourth quarter of 2024 Â Derivative [Line Items] Â Volume Electricity (in MWH) [Member] | First quarter of 2025 Â Derivative [Line Items] Â Volume Electricity (in MWH) [Member] | Second quarter of 2025 Â Derivative [Line Items] Â Volume Electricity (in MWH) [Member] | Third quarter of 2025 Â Derivative [Line Items] Â Volume Electricity (in MWH) [Member] | Fourth quarter of 2025 Â Derivative [Line Items] Â Volume Electricity (in MWH) [Member] | First quarter of 2026 Â Derivative [Line Items] Â Volume Electricity (in MWH) [Member] | Second quarter of 2026 Â Derivative [Line Items] Â Volume Electricity (in MWH) [Member] | Third quarter of 2026 Â Derivative [Line Items] Â Volume 3,520 Gas (in Dth) [Member] | Third quarter of 2024 Â Derivative [Line Items] Â Volume 155,000 Gas (in Dth) [Member] | Fourth quarter of 2024 Â Derivative [Line Items] Â Volume Gas (in Dth) [Member] | First quarter of 2025 Â Derivative [Line Items] Â Volume 225,000 Gas (in Dth) [Member] | Second quarter of 2025 Â Derivative [Line Items] Â Volume 227,500 Gas (in Dth) [Member] | Third quarter of 2025 Â Derivative [Line Items] Â Volume 230,000 Gas (in Dth) [Member] | Fourth quarter of 2025 Â Derivative [Line Items] Â Volume 230,000 Gas (in Dth) [Member] | First quarter of 2026 Â Derivative [Line Items] Â Volume Gas (in Dth) [Member] | Second quarter of 2026 Â Derivative [Line Items] Â Volume Gas (in Dth) [Member] | Third quarter of 2026 Â Derivative [Line Items] Â Volume X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480237/815-40-50-5 + Details Name: us-gaap_DerivativeLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionInformation that would enable users to understand the volume of the entity's derivative activity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 815 -SubTopic 10 -Section 50 -Paragraph 1B -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-1BReference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 815 -SubTopic 10 -Section 50 -Paragraph 1A -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-1A + Details Name: us-gaap_DescriptionOfDerivativeActivityVolume Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_DerivativeInstrumentRiskAxis=gne_ElectricityCommodityMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: gne_SettlementDatesAxis=gne_SettlementDatesTenMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: gne_SettlementDatesAxis=gne_SettlementDatesElevenMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: gne_SettlementDatesAxis=gne_SettlementDatesTwelveMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: gne_SettlementDatesAxis=gne_SettlementDatesSeventeenMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: gne_SettlementDatesAxis=gne_SettlementDatesEighteenMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: gne_SettlementDatesAxis=gne_SettlementDatesThirteenMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: gne_SettlementDatesAxis=gne_SettlementDatesFourteenMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: gne_SettlementDatesAxis=gne_SettlementDatesFifteenMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: gne_SettlementDatesAxis=gne_SettlementDatesSixteenMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_DerivativeInstrumentRiskAxis=gne_NaturalGasReserveMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 79 R68.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Derivative Instruments (Details 1) - Energy contracts and options [Member] - USD ($) $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Schedule of fair value of outstanding derivative instruments recorded as assets and liability Â Â Asset Derivatives not designated or not qualifying as hedging instruments $ 750 $ 673 Liability Derivatives not designated or not qualifying as hedging instruments 592 1,724 Other current assets [Member] Â Â Schedule of fair value of outstanding derivative instruments recorded as assets and liability Â Â Asset Derivatives not designated or not qualifying as hedging instruments [1] 444 321 Other assets [Member] Â Â Schedule of fair value of outstanding derivative instruments recorded as assets and liability Â Â Asset Derivatives not designated or not qualifying as hedging instruments 306 352 Other current liabilities [Member] Â Â Schedule of fair value of outstanding derivative instruments recorded as assets and liability Â Â Liability Derivatives not designated or not qualifying as hedging instruments 592 1,716 Other liabilities [Member] Â Â Schedule of fair value of outstanding derivative instruments recorded as assets and liability Â Â Liability Derivatives not designated or not

qualifying as hedging instruments $ 8 [1] The Company classifies derivative assets and liabilities as current based on the cash flows expected to be incurred within the following 12 months. X - ReferencesNo definition available. + Details Name: us-gaap_DerivativeInstrumentsNotDesignatedAsHedgingInstrumentsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionFair value as of the balance sheet date of derivative instrument not designated as hedging instrument and classified as an asset. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 815 -SubTopic 10 -Section 50 -Paragraph 4B -Subparagraph (c)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-4B + Details Name: us-gaap_DerivativeInstrumentsNotDesignatedAsHedgingInstrumentsAssetAtFairValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionFair value as of the balance sheet date of derivative instrument not designated as hedging instrument and classified as a liability. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 815 -SubTopic 10 -Section 50 -Paragraph 4B -Subparagraph (c)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-4B + Details Name: us-gaap_DerivativeInstrumentsNotDesignatedAsHedgingInstrumentsLiabilityAtFairValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Details Name: us-gaap_DerivativeInstrumentRiskAxis=gne_EnergyContractsAndOptionsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_BalanceSheetLocationAxis=us-gaap_OtherCurrentAssetsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_BalanceSheetLocationAxis=us-gaap_OtherNoncurrentAssetsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_BalanceSheetLocationAxis=us-gaap_OtherCurrentLiabilitiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_BalanceSheetLocationAxis=us-gaap_OtherNoncurrentLiabilitiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 80 R69.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Derivative Instruments (Details 2) - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Energy contracts and options [Member] | Cost of revenues [Member] Â Â Â Â Â Effects of derivative instruments on the consolidated statements of operations Â Â Â Â Amount of Gain (Loss) Recognized on Derivatives $ 8,404 $ 5,954 $ 13,936 $ 17,129 X - DefinitionAmount of realized and unrealized gain (loss) of derivative instruments not designated or qualifying as hedging instruments. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 815 -SubTopic 10 -Section 50 -Paragraph 4C -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-4CReference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section 50 -Paragraph 4CC -SubTopic 10 -Topic 815 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-4CC + Details Name: us-gaap_DerivativeInstrumentsNotDesignatedAsHedgingInstrumentsGainLossNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_DerivativeInstrumentsNotDesignatedAsHedgingInstrumentsGainLossNetAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_DerivativeInstrumentRiskAxis=gne_EnergyContractsAndOptionsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_IncomeStatementLocationAxis=us-gaap_CostOfSalesMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 81 R70.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Other Assets (Details 1) - USD ($) $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Other Assets Â Â Security deposit $ 7,282 $ 7,950 Right-of-use assets, net of amortization 1,828 2,138 Investments in equity securities 3,834 2,605 Fair value of derivative contractsâ€”noncurrent 307 352 Other assets 2,057 2,202 Total other assets $ 15,308 $ 15,247 X - ReferencesNo definition available. + Details Name: us-gaap_DeferredCostsCapitalizedPrepaidAndOtherAssetsDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionFair value of the assets less the liabilities of a derivative or group of derivatives. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-10 + Details Name: us-gaap_DerivativeFairValueOfDerivativeNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionThis item represents the carrying amount on the entity's balance sheet of its investment in common stock of an equity method investee. This is not an indicator of the fair value of the investment, rather it is the initial cost adjusted for the entity's share of earnings and losses of the investee, adjusted for any distributions (dividends) and other than temporary impairment (OTTI) losses recognized. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481664/323-10-45-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(10)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 25 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-25 + Details Name: us-gaap_EquityMethodInvestments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of lessee's right to use underlying asset under operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseRightOfUseAsset Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of other miscellaneous assets expected to be realized or consumed after one year or normal operating cycle, if longer. + ReferencesNo definition available. + Details Name: us-gaap_OtherAssetsMiscellaneousNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of noncurrent assets classified as other. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_OtherAssetsNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionThe amount of an asset, typically cash, provided to a counterparty to provide certain assurance of performance by the entity pursuant to the terms of a written or oral agreement, such as a lease. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_SecurityDeposit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 82 R71.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Investments (Details) - USD ($) $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Marketable Securities [Line Items] Â Â Total included in other current assets $ 4,408 $ 3,801 Total included in other noncurrent assets 3,834 2,605 Rafael [Member] Â Â Marketable Securities [Line Items] Â Â Total included in other current assets 344 396 Alternative investmentsâ€”restricted [Member] Â Â Marketable Securities [Line Items] Â Â Total included in other current assets 2,258 Total included in other noncurrent assets 935 Alternative investmentsâ€”unrestricted [Member] Â Â Marketable Securities [Line Items] Â Â Total included in other current assets 2,150 3,801 Total included in other noncurrent assets 2,300 1,034 PRI Fuel Supply Ltd [Member] Â Â Marketable Securities [Line Items] Â Â Total included in other noncurrent assets 324 CPP Genie Community Solar [Member] Â Â Marketable Securities [Line Items] Â Â Total included in other noncurrent assets 275 303 RodedÂ RecyclingÂ Industries Ltd. [Member] Â Â Marketable Securities [Line Items] Â Â Total included in other noncurrent assets $ 1,268 X - DefinitionThe total amount of investments that are intended to be held for an extended period of time (longer than one operating cycle). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(12)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LongTermInvestments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_MarketableSecuritiesLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of investments including trading securities, available-for-sale securities, held-to-maturity securities, and short-term investments classified as other and current. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -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_ShortTermInvestments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: srt_ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis=gne_RafaelHoldingsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis=gne_AlternativeInvestmentsRestrictedMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis=gne_AlternativeInvestmentsUnrestrictedMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis=gne_PRIFuelSupplyLtdMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis=gne_CPPGenieCommunitySolarMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis=gne_RodedRecyclingIndustriesLtdMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 83 R72.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Investments (Details 1) - USD ($) $ in Thousands 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Investment in Equity Method Investees [Abstract] Â Â Balance, beginning of period $ 4,835 $ 3,178 Purchase 3,025 Gain (loss) recognized during the period 365 13 Distribution (582) Balance, end of period $ 7,643 $ 3,191 X - DefinitionAmount of the entity's equity method investment which has been sold. + ReferencesNo definition available. + Details Name: us-gaap_EquityMethodInvestmentSoldCarryingAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_EquityMethodInvestmentsAndJointVenturesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of investment in equity security without readily determinable fair value. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 321 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479536/321-10-50-3 + Details Name: us-gaap_EquitySecuritiesWithoutReadilyDeterminableFairValueAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of income (loss) for proportionate share of equity method investee's income (loss). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(10)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481664/323-10-45-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(12)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(13)(f)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_IncomeLossFromEquityMethodInvestments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe cash outflow associated with the purchase of or advances to an equity method investments, which are investments in joint ventures and entities in which the entity has an equity ownership interest normally of 20 to 50 percent and exercises significant influence. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 13 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-13 + Details Name: us-gaap_PaymentsToAcquireEquityMethodInvestments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration XML 84 R73.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Goodwill and Other Intangible Assets (Details) $ in Thousands 6 Months Ended Jun. 30, 2024 USD ($) Goodwill [Roll Forward] Â Beginning balance $ 9,998 Consolidation of Roded 2,660 Ending balance 12,658 GRE [Member] Â Goodwill [Roll Forward] Â Beginning balance 9,998 Consolidation of Roded Ending balance 9,998 GRE International Corporation [Member] Â Goodwill [Roll Forward] Â Beginning balance Consolidation of Roded 2,660 Ending balance $ 2,660 X - DefinitionAmount, after accumulated impairment loss, of asset representing future economic benefit arising from other asset acquired in business combination or from joint venture

formation or both, that is not individually identified and separately recognized. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482548/350-20-55-24Reference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 100 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-100Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(15)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482598/350-20-45-1Reference 7: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(10)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1 + Details Name: us-gaap_Goodwill Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionA roll forward is a reconciliation of a concept from the beginning of a period to the end of a period. + ReferencesNo definition available. + Details Name: us-gaap_GoodwillRollForward Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of increase (decrease) from foreign currency translation and measurement period adjustments of asset representing future economic benefit arising from other asset acquired in business combination or from joint venture formation or both, that is not individually identified and separately recognized. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482573/350-20-50-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 25 -Paragraph 16 -SubTopic 10 -Topic 805 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479405/805-10-25-16 + Details Name: us-gaap_GoodwillTranslationAndPurchaseAccountingAdjustments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - Details Name: us-gaap_StatementBusinessSegmentsAxis=gne_GenieRetailEnergyMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=gne_GenieEnergyInternationalCorporationMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 85 R74.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Goodwill and Other Intangible Assets (Details 1) - USD ($) $ in Thousands 6 Months Ended 12 Months Ended Jun. 30, 2024 Dec. 31, 2023 Finite-Lived Intangible Assets [Line Items] Â Â Gross Carrying Amount $ 5,089 $ 5,089 Accumulated Amortization (2,538) (2,355) Net Balance $ 2,551 $ 2,734 Patents and trademarks [Member] Â Â Finite-Lived Intangible Assets [Line Items] Â Â Weighted Average Amortization Period 18 years 1 month 6 days 18 years 1 month 6 days Gross Carrying Amount $ 3,510 $ 3,510 Accumulated Amortization (1,481) (1,383) Net Balance $ 2,029 $ 2,127 Customer relationships [Member] Â Â Finite-Lived Intangible Assets [Line Items] Â Â Weighted Average Amortization Period 9 years 9 years Gross Carrying Amount $ 1,100 $ 1,100 Accumulated Amortization (835) (774) Net Balance $ 265 $ 326 Licenses [Member] Â Â Finite-Lived Intangible Assets [Line Items] Â Â Weighted Average Amortization Period 10 years 10 years Gross Carrying Amount $ 479 $ 479 Accumulated Amortization (222) (198) Net Balance $ 257 $ 281 X - DefinitionWeighted average amortization period of finite-lived intangible assets acquired either individually or as part of a group of assets, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2 + Details Name: us-gaap_AcquiredFiniteLivedIntangibleAssetsWeightedAverageUsefulLife Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionAccumulated amount of amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 10 -Name Accounting Standards Codification -Section S45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480265/350-10-S45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_FiniteLivedIntangibleAssetsAccumulatedAmortization Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount before amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 10 -Name Accounting Standards Codification -Section S45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480265/350-10-S45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 928 -SubTopic 340 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478859/928-340-50-1 + Details Name: us-gaap_FiniteLivedIntangibleAssetsGross Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482686/350-30-45-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-3Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 926 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483154/926-20-50-5 + Details Name: us-gaap_FiniteLivedIntangibleAssetsLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount after amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 926 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483154/926-20-50-5 + Details Name: us-gaap_FiniteLivedIntangibleAssetsNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap_TrademarksMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap_CustomerRelationshipsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis=gne_LicensesMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 86 R75.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Goodwill and Other Intangible Assets (Details Textual) - USD ($) $ in Millions 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Goodwill and Other Intangible Assets Â Â Â Â Amortization expense of intangible assets $ 0.1 $ 0.1 $ 0.2 $ 0.2 Amortization expense of finite lives intangible assets, remainder of 2024 0.2 Â 0.2 Â Amortization expense of finite lives intangible assets, 2025 0.4 Â 0.4 Â Amortization expense of finite lives intangible assets, 2026 0.3 Â 0.3 Â Amortization expense of finite lives intangible assets, 2027 0.3 Â 0.3 Â Amortization expense of finite lives intangible assets, 2028 0.2 Â 0.2 Â Amortization expense of finite lives intangible assets, thereafter $ 1.2 Â $ 1.2 Â X - DefinitionThe aggregate expense charged against earnings to allocate the cost of intangible assets (nonphysical assets not used in production) in a systematic and rational manner to the periods expected to benefit from such assets. As a noncash expense, this element is added back to net income when calculating cash provided by or used in operations using the indirect method. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482686/350-30-45-2 + Details Name: us-gaap_AmortizationOfIntangibleAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of amortization for asset, excluding financial asset and goodwill, lacking physical substance with finite life expected to be recognized after fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2 + Details Name: us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseAfterYearFive Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2 + Details Name: us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseNextTwelveMonths Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in remainder of current fiscal year. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2 + Details Name: us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseRemainderOfFiscalYear Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2 + Details Name: us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseYearFour Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards

Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2 + Details Name: us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseYearThree Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2 + Details Name: us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseYearTwo Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_GoodwillAndIntangibleAssetsDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 87 R76.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Accrued Expenses and Other Current Liabilities - Schedule of accrued expenses (Details) - USD ($) $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Accrued expenses Â Â Renewable energy $ 20,793 $ 31,662 Liability to customers related to promotions and retention incentives 7,159 9,493 Payroll and employee benefit 2,021 5,095 Other accrued expenses 5,315 3,139 Total accrued expenses $ 35,288 $ 49,389 X - ReferencesNo definition available. + Details Name: gne_PayrollAndEmployeeBenefit Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionSum of the carrying values as of the balance sheet date of obligations incurred through that date and due within one year (or the operating cycle, if longer), including liabilities incurred (and for which invoices have typically been received) and payable to vendors for goods and services received, taxes, interest, rent and utilities, accrued salaries and bonuses, payroll taxes and fringe benefits. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_AccountsPayableAndAccruedLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_AccruedLiabilitiesCurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionCarrying value as of the balance sheet date of obligations incurred through that date and payable for utilities, such as electrical power, heating oil, natural gas, and water. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_AccruedUtilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionTotal of the carrying values as of the balance sheet date of obligations incurred through that date and payable for obligations related to services received from employees, such as accrued salaries and bonuses, payroll taxes and fringe benefits. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_EmployeeRelatedLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of expenses incurred but not yet paid classified as other, due within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_OtherAccruedLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 88 R77.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Accrued Expenses and Other Current Liabilities - Schedule of accrued expenses (Details 1) - USD ($) $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Other current liabilities Â Â Current lease liabilities $ 185 $ 309 Nonrelated Party [Member] Â Â Other current liabilities Â Â Contract liabilities 4,007 5,582 Current hedge liabilities 592 1,716 Current lease liabilities 185 309 Current captive insurance liability 364 143 Others 1,357 1,530 Total other current liabilities $ 6,505 $ 9,280 X - DefinitionThe amount represent the information related to Current captive insurance liability. + ReferencesNo definition available. + Details Name: gne_CaptiveInsuranceLiabilityCurrent Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of obligation to transfer good or service to customer for which consideration has been received or is receivable, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-8Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-2 + Details Name: us-gaap_ContractWithCustomerLiabilityCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionCarrying amount as of the balance sheet date of the liability arising from a financial instrument or a contract used to mitigate a specified risk (hedge), and which are expected to be converted into cash or otherwise disposed of within a year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_HedgingLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiabilityCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of liabilities classified as other, due within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10 + Details Name: us-gaap_OtherLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_OtherLiabilitiesCurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionObligations not otherwise itemized or categorized in the footnotes to the financial statements that are due within one year or operating cycle, if longer, from the balance sheet date. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 470 -SubTopic 10 -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481573/470-10-45-10 + Details Name: us-gaap_OtherSundryLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Details Name: us-gaap_RelatedPartyTransactionsByRelatedPartyAxis=us-gaap_NonrelatedPartyMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 89 R78.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Leases (Details) - USD ($) $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Leases Â Â ROU Assets $ 1,828 $ 2,138 Current portion of operating lease liabilities 185 309 Noncurrent portion of operating lease liabilities 1,743 1,952 Total operating lease liabilities $ 1,928 $ 2,261 Operating Lease, Right-of-Use Asset, Statement of Financial Position [Extensible Enumeration] Other Assets, Noncurrent Â Operating Lease, Liability, Current, Statement of Financial Position [Extensible Enumeration] Other Liabilities, Current Â Operating Lease, Liability, Noncurrent, Statement of Financial Position [Extensible Enumeration] Total other liabilities Â Operating Lease, Liability, Statement of Financial Position [Extensible Enumeration] Other Liabilities Â X - ReferencesNo definition available. + Details Name: us-gaap_LeasesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiabilityCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionIndicates line item in statement of financial position that includes current operating lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-2 + Details Name: us-gaap_OperatingLeaseLiabilityCurrentStatementOfFinancialPositionExtensibleList Namespace Prefix: us-gaap_ Data Type: enum2:enumerationSetItemType Balance Type: na Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease, classified as noncurrent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiabilityNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionIndicates line item in statement of financial position that includes noncurrent operating lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-2 + Details Name: us-gaap_OperatingLeaseLiabilityNoncurrentStatementOfFinancialPositionExtensibleList Namespace Prefix: us-gaap_ Data Type: enum2:enumerationSetItemType Balance Type: na Period Type: instant X - DefinitionIndicates line item in statement of financial position that includes operating lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-2 + Details Name: us-gaap_OperatingLeaseLiabilityStatementOfFinancialPositionExtensibleList Namespace Prefix: us-gaap_ Data Type: enum2:enumerationSetItemType Balance Type: na Period Type: instant X - DefinitionAmount of lessee's right to use underlying asset under operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseRightOfUseAsset Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionIndicates line item in statement of financial position that includes operating lease right-of-use asset. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-2 + Details Name: us-gaap_OperatingLeaseRightOfUseAssetStatementOfFinancialPositionExtensibleList Namespace Prefix: us-gaap_ Data Type: enum2:enumerationSetItemType Balance Type: na Period Type: instant XML 90 R79.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Leases (Details 1) - USD ($) $ in Thousands 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Cash paid for amounts included in the measurement of lease liabilities: Â Â Operating cash flows from operating activities $ 300 $ 331 ROU assets obtained in the exchange for lease liabilities Â Â Operating leases $ 237 X - DefinitionAssets obtained in the exchange for lease liabilities. + ReferencesNo definition available. + Details Name: gne_RightOfUseAssetsObtainedInExchangeForOperatingLeaseLiabilitiesAbstract Namespace Prefix: gne_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_CashFlowOperatingActivitiesLesseeAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of cash outflow from operating lease, excluding payments to bring another asset to condition and location necessary for its intended use. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 5 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-5Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_OperatingLeasePayments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of increase in right-of-use asset obtained in exchange for operating lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_RightOfUseAssetObtainedInExchangeForOperatingLeaseLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration XML 91 R80.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Leases (Details 2) - USD ($) $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Leases Â Â Remainder of 2024 $ 172 Â 2025 306 Â 2026 301 Â 2027 306 Â 2028 312 Â Thereafter 2,241 Â Total future lease payments 3,638 Â Less

imputed interest 1,710 Â Total operating lease liabilities $ 1,928 $ 2,261 X - ReferencesNo definition available. + Details Name: us-gaap_LeasesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease due after fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueAfterYearFive Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease to be paid in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueNextTwelveMonths Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease to be paid in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearFour Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease to be paid in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearThree Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease to be paid in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearTwo Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease having initial or remaining lease term in excess of one year to be paid in remainder of current fiscal year. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsRemainderOfFiscalYear Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payments in excess of discounted obligation for lease payments for operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityUndiscountedExcessAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 92 R81.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Leases (Details Textual) - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Leases Â Â Â Â Â Weighted average remaining lease term 14 years 9 months 18 days Â 14 years 9 months 18 days Â Weighted average discount rate 6.30% Â 6.30% Â Operating leases, rent expense $ 200 $ 200 $ 300 $ 300 Finance leases $ 0 Â $ 0 Â X - DefinitionPresent value of lessee's discounted obligation for lease payments from finance lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_FinanceLeaseLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_LeasesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of single lease cost, calculated by allocation of remaining cost of lease over remaining lease term. Includes, but is not limited to, single lease cost, after impairment of right-of-use asset, calculated by amortization of remaining right-of-use asset and accretion of lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_OperatingLeaseCost Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionWeighted average discount rate for operating lease calculated at point in time. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_OperatingLeaseWeightedAverageDiscountRatePercent Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - DefinitionWeighted average remaining lease term for operating lease, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_OperatingLeaseWeightedAverageRemainingLeaseTerm1 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: instant XML 93 R82.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Equity (Details) - USD ($) $ / shares in Units, $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Mar. 31, 2024 Jun. 30, 2023 Mar. 31, 2023 Jun. 30, 2024 Equity Â Â Â Â Â Common Stock, Dividends, Per Share, Cash Paid $ 0.075 $ 0.075 $ 0.075 $ 0.075 Â O 2023 Q4 Dividends [Member] | Class A Common Stock and Class B Common Stock [Member] Â Â Â Â Â Equity Â Â Â Â Â Declaration Date Â Â Â Â Feb. 08, 2024 Common Stock, Dividends, Per Share, Cash Paid Â Â Â Â $ 0.075 Aggregate Dividend Amount $ 2,121 Â Â Â $ 2,121 Record Date Â Â Â Â Feb. 20, 2024 Payment Date Â Â Â Â Feb. 28, 2024 O 2024 Q1 Dividends [Member] | Class A Common Stock and Class B Common Stock [Member] Â Â Â Â Â Equity Â Â Â Â Â Declaration Date Â Â Â Â May 02, 2024 Common Stock, Dividends, Per Share, Cash Paid Â Â Â Â $ 0.075 Aggregate Dividend Amount $ 2,031 Â Â Â $ 2,031 Record Date Â Â Â Â May 20, 2024 Payment Date Â Â Â Â May 31, 2024 X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 2: http://www.xbrl.org/2003/role/recommendedDisclosureRef -Topic 272 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483014/272-10-45-3Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 272 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482987/272-10-50-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-14Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-18Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(27)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-03(i)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479886/946-10-S99-3Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-03(i)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479886/946-10-S99-3Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-03(i)(2)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479886/946-10-S99-3Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-03(i)(2)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479886/946-10-S99-3 + Details Name: us-gaap_ClassOfStockLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAggregate dividends paid during the period for each share of common stock outstanding. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_CommonStockDividendsPerShareCashPaid Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionDate the declared dividend will be paid, in YYYY-MM-DD format. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-3 + Details Name: us-gaap_DividendPayableDateToBePaidDayMonthAndYear Namespace Prefix: us-gaap_ Data Type: xbrli:dateItemType Balance Type: na Period Type: duration X - DefinitionCarrying value as of the balance sheet date of dividends declared but unpaid on equity securities issued by the entity and outstanding. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(15)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 405 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478790/946-405-45-2Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(15)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap_DividendsPayableCurrentAndNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionDate the dividend to be paid was declared, in YYYY-MM-DD format. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-3 + Details Name: us-gaap_DividendsPayableDateDeclaredDayMonthAndYear Namespace Prefix: us-gaap_ Data Type: xbrli:dateItemType Balance Type: na Period Type: duration X - DefinitionDate the holder must own the stock to be entitled to the dividend, in YYYY-MM-DD format. + ReferencesNo

definition available. + Details Name: us-gaap_DividendsPayableDateOfRecordDayMonthAndYear Namespace Prefix: us-gaap_ Data Type: xbrli:dateItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_DividendsAxis=gne_O2023Q4DividendsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementClassOfStockAxis=gne_ClassACommonStockAndClassBCommonStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_DividendsAxis=gne_O2024Q1DividendsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 94 R83.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Equity (Details Textual) - USD ($) $ / shares in Units, $ in Thousands 1 Months Ended 3 Months Ended 6 Months Ended 12 Months Ended Aug. 01, 2024 May 31, 2023 Mar. 08, 2021 Jun. 08, 2018 Feb. 29, 2024 Feb. 28, 2023 Jun. 30, 2024 Mar. 31, 2024 Jun. 30, 2023 Mar. 31, 2023 Jun. 30, 2022 Jun. 30, 2024 Jun. 30, 2023 Dec. 31, 2023 Feb. 28, 2022 Feb. 07, 2022 Mar. 11, 2013 Equity Â Â Â

Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-4Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13 + Details Name: us-gaap_PreferredStockLiquidationPreference Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionValue of the difference between preference in liquidation and the par or stated values of the preferred shares. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-4Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1 + Details Name: us-gaap_PreferredStockLiquidationPreferenceValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAggregate share number for all nonredeemable preferred stock (or preferred stock redeemable solely at the option of the issuer) held by stockholders. Does not include preferred shares that have been repurchased. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3 + Details Name: us-gaap_PreferredStockSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionThe cash inflow associated with the amount received from holders exercising their stock warrants. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 14 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14 + Details Name: us-gaap_ProceedsFromWarrantExercises Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionNumber, after shares used to satisfy grantee's tax withholding obligation for award under share-based payment arrangement, of restricted shares issued. Excludes cash used to satisfy grantee's tax withholding obligation. + ReferencesNo definition available. + Details Name: us-gaap_RestrictedStockSharesIssuedNetOfSharesForTaxWithholdings Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber of additional shares authorized for issuance under share-based payment arrangement. + ReferencesNo definition available. + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardNumberOfAdditionalSharesAuthorized Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber of shares used to settle grantee's tax withholding obligation for award under share-based payment arrangement. + ReferencesNo definition available. + Details Name: us-gaap_SharesPaidForTaxWithholdingForShareBasedCompensation Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionValue of preferred stock and warrants for common stock issued. + ReferencesNo definition available. + Details Name: us-gaap_StockAndWarrantsIssuedDuringPeriodValuePreferredStockAndWarrants Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionNumber of shares issued in lieu of cash for services contributed to the entity. Number of shares includes, but is not limited to, shares issued for services contributed by vendors and founders. + ReferencesNo definition available. + Details Name: us-gaap_StockIssuedDuringPeriodSharesIssuedForServices Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber of share options (or share units) exercised during the current period. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodSharesStockOptionsExercised Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionValue of stock issued pursuant to acquisitions during the period. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(31)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodValueAcquisitions Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionNumber of stock bought back by the entity at the exercise price or redemption price. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2 + Details Name: us-gaap_StockRedeemedOrCalledDuringPeriodShares Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionEquity impact of the value of stock bought back by the entity at the exercise price or redemption price. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2 + Details Name: us-gaap_StockRedeemedOrCalledDuringPeriodValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionNumber of shares remaining authorized to be purchased under share repurchase plan. Includes, but is not limited to, repurchase of stock and unit of ownership. + ReferencesNo definition available. + Details Name: us-gaap_StockRepurchaseProgramRemainingNumberOfSharesAuthorizedToBeRepurchased Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of shares that have been repurchased during the period and have not been retired and are not held in treasury. Some state laws may govern the circumstances under which an entity may acquire its own stock and prescribe the accounting treatment therefore. This element is used when state law does not recognize treasury stock. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 505 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478448/946-505-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-03(i)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479886/946-10-S99-3Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockRepurchasedDuringPeriodShares Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionEquity impact of the value of stock that has been repurchased during the period and has not been retired and is not held in treasury. Some state laws may mandate the circumstances under which an entity may acquire its own stock and prescribe the accounting treatment therefore. This element is used when state law does not recognize treasury stock. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-11Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 205 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478009/946-205-45-4Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 505 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478448/946-505-50-2Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockRepurchasedDuringPeriodValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionTotal cost of shares repurchased divided by the total number of shares repurchased. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 505 -SubTopic 30 -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481549/505-30-45-1 + Details Name: us-gaap_TreasuryStockAcquiredAverageCostPerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionNumber of previously issued common shares repurchased by the issuing entity and held in treasury. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 505 -SubTopic 30 -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481549/505-30-45-1 + Details Name: us-gaap_TreasuryStockCommonShares Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionEquity impact of the cost of common and preferred stock that were repurchased during the period. Recorded using the cost method. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 505 -SubTopic 30 -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481549/505-30-45-1 + Details Name: us-gaap_TreasuryStockValueAcquiredCostMethod Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - Details Name: srt_TitleOfIndividualAxis=srt_DirectorMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_TitleOfIndividualAxis=gne_EmployeeMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis=gne_LumoFinlandGrantMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementEquityComponentsAxis=us-gaap_PreferredStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementClassOfStockAxis=us-gaap_CommonClassBMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PlanNameAxis=gne_StockOptionAndIncentivePlan2021Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PlanNameAxis=gne_StockRepurchaseProgramMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AwardTypeAxis=us-gaap_StockCompensationPlanMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_RelatedPartyTransactionsByRelatedPartyAxis=gne_HowardsJonasMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementEquityComponentsAxis=us-gaap_WarrantMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementClassOfStockAxis=us-gaap_SeriesAPreferredStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementClassOfStockAxis=gne_ClassACommonStockAndClassBCommonStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-

gaap_SubsequentEventTypeAxis=us-gaap_SubsequentEventMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_DividendsAxis=gne_O2024Q2DividendsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 95 R84.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Variable Interest Entity (Details) - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Variable Interest Entity Â Â Â Â Net income (loss) $ 132 $ 73 $ 158 $ (19) Aggregate funding (provided by) paid to the Company, net $ (21) $ 113 $ 71 $ (79) X - DefinitionAggregate funding repaid to (provided by) the Company, net. + ReferencesNo definition available. + Details Name: gne_VariableInterestEntityAggregateFundingRepaidToProvidedByEntityNet Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: gne_VariableInterestEntityConsolidatedCarryingAmountAssetsAndLiabilityAbstract Namespace Prefix: gne_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe amount of income (loss) from operations derived by the reporting entity during the period from the Variable Interest Entity (VIE). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-6 + Details Name: us-gaap_VariableInterestEntityActivityBetweenVIEAndEntityOperatingIncomeOrLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration XML 96 R85.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Variable Interest Entity (Details 1) - USD ($) $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Variable Interest Entity Classifications Of Carrying Amount Assets And Liabilities Net [Abstract] Â Â Total assets $ 322,783 $ 330,555 CCE [Member] Â Â Variable Interest Entity Classifications Of Carrying Amount Assets And Liabilities Net [Abstract] Â Â Total assets 1,283 1,223 Total liabilities and noncontrolling interests 1,283 1,223 CCE [Member] | Cash, cash equivalents and restricted cash [Member] Â Â Variable Interest Entity Classifications Of Carrying Amount Assets And Liabilities Net [Abstract] Â Â Total assets 396 265 CCE [Member] | Trade accounts receivable [Member] Â Â Variable Interest Entity Classifications Of Carrying Amount Assets And Liabilities Net [Abstract] Â Â Total assets 202 275 CCE [Member] | Prepaid expenses and other current assets [Member] Â Â Variable Interest Entity Classifications Of Carrying Amount Assets And Liabilities Net [Abstract] Â Â Total assets 323 323 CCE [Member] | Other assets [Member] Â Â Variable Interest Entity Classifications Of Carrying Amount Assets And Liabilities Net [Abstract] Â Â Total assets 362 360 CCE [Member] | Current liabilities [Member] Â Â Variable Interest Entity Classifications Of Carrying Amount Assets And Liabilities Net [Abstract] Â Â Total liabilities and noncontrolling interests 589 611 CCE [Member] | Due to IDT Energy [Member] Â Â Variable Interest Entity Classifications Of Carrying Amount Assets And Liabilities Net [Abstract] Â Â Total liabilities and noncontrolling interests 4,822 4,893 CCE [Member] | Noncontrolling interests [Member] Â Â Variable Interest Entity Classifications Of Carrying Amount Assets And Liabilities Net [Abstract] Â Â Total liabilities and noncontrolling interests $ (4,128) $ (4,281) X - ReferencesNo definition available. + Details Name: gne_VariableInterestEntityClassificationsOfCarryingAmountAssetsAndLiabilitiesNetAbstract Namespace Prefix: gne_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: gne_VariableInterestEntityConsolidatedCarryingAmountLiabilities Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of asset recognized for present right to economic benefit. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 12: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 13: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(12)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 18: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 19: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 30: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(11)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1 + Details Name: us-gaap_Assets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: srt_ConsolidatedEntitiesAxis=gne_CitizensChoiceEnergyMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_InvestmentTypeAxis=gne_RestrictedCashMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_InvestmentTypeAxis=us-gaap_TradeAccountsReceivableMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_InvestmentTypeAxis=us-gaap_PrepaidExpensesAndOtherCurrentAssetsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_InvestmentTypeAxis=us-gaap_OtherNoncurrentAssetsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_InvestmentTypeAxis=gne_CurrentLiabilitiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_InvestmentTypeAxis=us-gaap_VariableInterestEntityNotPrimaryBeneficiaryMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_InvestmentTypeAxis=us-gaap_NoncontrollingInterestMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 97 R86.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Income Taxes (Details) 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Income Taxes Â Â Â Â Reported tax rate 26.70% 24.10% 26.30% 25.20% X - DefinitionPercentage of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231 + Details Name: us-gaap_EffectiveIncomeTaxRateContinuingOperations Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_IncomeTaxDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 98 R87.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Earnings Per Share (Details) - shares shares in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Earnings Per Share Â Â Â Â Basic weighted-average number of shares 26,569 25,708 26,760 25,516 Effect of dilutive securities: Â Â Â Â Non-vested restricted Class B common stock 464 555 512 508 Stock options and warrants 58 49 Diluted weighted-average number of shares 27,033 26,321 27,272 26,073 X - ReferencesNo definition available. + Details Name: us-gaap_EarningsPerShareAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAdditional shares included in the calculation of diluted EPS as a result of the potentially dilutive effect of call options and warrants using the treasury stock method. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-22Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 23 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-23Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 26 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-26 + Details Name: us-gaap_IncrementalCommonSharesAttributableToCallOptionsAndWarrants Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber of additional shares included in diluted EPS for potentially dilutive effect of nonvested equity-based payment award containing forfeitable rights to dividends or dividend equivalents, whether paid or unpaid. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-22Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 23 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-23Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-28AReference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 260 -SubTopic 10 -Section 45 -Paragraph 68B -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-68B + Details Name: us-gaap_IncrementalCommonSharesAttributableToNonvestedSharesWithForfeitableDividends Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_WeightedAverageNumberDilutedSharesOutstandingAdjustmentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe average number of shares or units issued and outstanding that are used in calculating diluted EPS or earnings per unit (EPU), determined based on the timing of issuance of shares or units in the period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 16 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-16 + Details Name: us-

gaap_WeightedAverageNumberOfDilutedSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber of [basic] shares or units, after adjustment for contingently issuable shares or units and other shares or units not deemed outstanding, determined by relating the portion of time within a reporting period that common shares or units have been outstanding to the total time in that period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10 + Details Name: us-gaap_WeightedAverageNumberOfSharesOutstandingBasic Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration XML 99 R88.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Earnings Per Share (Details 1) - shares 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Â Â Â Â Stock options 0 0 0 0 X - DefinitionSecurities (including those issuable pursuant to contingent stock agreements) that could potentially dilute basic earnings per share (EPS) or earnings per unit (EPU) in the future that were not included in the computation of diluted EPS or EPU because to do so would increase EPS or EPU amounts or decrease loss per share or unit amounts for the period presented. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1 + Details Name: us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 100 R89.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Earnings Per Share (Details Textual) - shares 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Earnings Per Share, Basic, by Common Class, Including Two Class Method [Line Items] Â Â Â Â Antidilutive Securities Excluded from Computation of Earnings Per Share, Amount 0 0 0 0 X - DefinitionSecurities (including those issuable pursuant to contingent stock agreements) that could potentially dilute basic earnings per share (EPS) or earnings per unit (EPU) in the future that were not included in the computation of diluted EPS or EPU because to do so would increase EPS or EPU amounts or decrease loss per share or unit amounts for the period presented. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1 + Details Name: us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: 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 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-3Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60B + Details Name: us-gaap_EarningsPerShareBasicLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 101 R90.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Related Party Transactions (Details) - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Related Party Transaction [Line Items] Â Â Â Â Amount charged the Company $ 22,015 $ 23,173 $ 44,916 $ 45,184 IDT [Member] | Related Party [Member] Â Â Â Â Related Party Transaction [Line Items] Â Â Â Â Amount charged the Company 304 310 523 634 Amount the Company charged IDT $ 31 $ 30 $ 67 $ 61 X - DefinitionReduction of selling, general and administrative expenses resulting from transactions with related party. + ReferencesNo definition available. + Details Name: gne_RelatedPartyTransactionReductionOfSellingGeneralAndAdministrativeExpensesFromTransactionsWithRelatedParty Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481990/310-10-45-13Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(c)(2)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(c)(2)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(g)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1 + Details Name: us-gaap_RelatedPartyTransactionLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe aggregate total costs related to selling a firm's product and services, as well as all other general and administrative expenses. Direct selling expenses (for example, credit, warranty, and advertising) are expenses that can be directly linked to the sale of specific products. Indirect selling expenses are expenses that cannot be directly linked to the sale of specific products, for example telephone expenses, Internet, and postal charges. General and administrative expenses include salaries of non-sales personnel, rent, utilities, communication, etc. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_SellingGeneralAndAdministrativeExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - Details Name: us-gaap_RelatedPartyTransactionAxis=gne_IdtCorporationMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_RelatedPartyTransactionsByRelatedPartyAxis=us-gaap_RelatedPartyMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 102 R91.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Related Party Transactions (Details 1) - IDT [Member] - Related Party [Member] - USD ($) $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Related Party Transaction [Line Items] Â Â Due to Related Parties $ 170 $ 165 Due from Related Parties $ 20 $ 20 X - DefinitionAmount of liabilities classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(15)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-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)(15)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 3: 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 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(12)(b)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 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(12)(b)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 6: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(12)(b)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 7: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap_OtherLiabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount due from parties in nontrade transactions, classified as other. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(5)(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 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(3)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap_OtherReceivables Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481990/310-10-45-13Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(c)(2)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(c)(2)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(g)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1 + Details Name: us-gaap_RelatedPartyTransactionLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_RelatedPartyTransactionsByRelatedPartyAxis=us-gaap_RelatedPartyMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_RelatedPartyTransactionAxis=gne_IdtCorporationMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 103 R92.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Related Party Transactions (Details Textual) - USD ($) $ / shares in Units, $ in Thousands 1 Months Ended 3 Months Ended 6 Months Ended 12 Months Ended Apr. 17, 2024 Nov. 02, 2023 Dec. 07, 2020 Mar. 31, 2023 Jun. 30, 2024 Jun. 30, 2023 Mar. 31, 2023 Mar. 31, 2021 Jun. 30, 2024 Jun. 30, 2023 Dec. 31, 2023 Sep. 30, 2018 Related Party Transaction [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Class B common stock purchased from Genie Energy Charitable Foundation Â Â Â Â $ 768 Â Â Â Â Â Â Â Amount of warrants aggregate exercise price Â Â Â Â Â Â Â Â $ 5,000 Â Â Unrealized gain (loss) on investment Â Â Â Â 110 $ 122 Â Â 227 51 Â Â Carrying value of investment in equity method investees Â Â Â Â $ 3,834 Â Â Â 3,834 Â $ 2,605 Â Proceeds from equity method investments Â Â Â Â Â Â Â Â $ 282 Â Â Class B common stock [Member] Â Â Â Â Â Â Â Â Â Â Related Party Transaction [Line Items] Â Â Â Â Â Â Â Â Â Number of shares repurchased, shares Â Â Â Â Â 0 Â Â Â 0 Â Â Warrants to purchase shares Â Â Â Â 0 Â Â Â 0 Â Â Â Other Investments [Member] Â Â Â Â Â Â Â Â Â Related Party Transaction [Line Items] Â Â Â Â Â Â Â Â Â Percentage of ownership Â Â Â Â Â Â Â Â Â 37.50% Rafael [Member] Â Â Â Â Â Â Â Â Â Related Party Transaction [Line Items] Â Â Â Â Â Â Â Â Â Unrealized gain (loss) on investment Â Â Â Â $ 100 $ 100 Â Â $ 100 $ 100 Â Â Rafael [Member] | Class B common stock [Member] Â Â Â Â Â Â Â Â Â Related Party Transaction [Line Items] Â Â Â Â Â Â Â Â Â Fair value of common stock Â Â $ 5,000 Â Â Â Â Â Â Â Â Number of common stock shares issued Â Â 218,245 Â Â Â Â Â Â Â Â Warrants to purchase shares Â Â 43,649 Â Â Â Â Â Â Â Â Warrants exercise price per share Â Â $ 22.91 Â Â Â Â Â Â Â Â Warrants expiry date Â Â Jun. 06, 2022 Â Â Â Â Â Â Â Â Amount of warrants aggregate exercise price Â Â Â Â Â Â Â $ 1,000 Â Â Â Â Rafael [Member] | Other Investments [Member] | Class B common stock [Member] Â Â Â Â Â Â Â Â Â Related Party Transaction [Line Items] Â Â Â Â Â Â Â Â Â Sale of shares Â Â Â Â Â Â 195,501 Â Â Â Â Â Amount of subsidiary shares sold Â Â Â Â Â Â $ 300 Â Â Â Â Â Number of subsidiary shares acquired Â Â Â Â Â 150,000 Â Â Â Â Â Â Amount of subsidiary shares acquired Â Â Â Â Â $ 300 Â Â Â Â Â Â Number of outstanding shares of subsidiary held by reporting entity Â Â Â Â 0 Â Â Â 0 Â Â Â Carrying value of investment in equity method investees Â Â Â Â $ 300 Â Â Â $ 300 Â Â Â IGM Brokerage Corp. [Member] Â Â Â Â Â Â Â Â Â Related Party Transaction [Line Items] Â Â Â Â Â Â Â Â Â Payment of insurance premium Â Â Â Â Â Â Â Â Â $ 400 Â Atid 613 [Member] Â Â Â Â Â Â Â Â Â Related Party Transaction [Line Items] Â Â Â Â Â Â Â Â Â Proceeds from equity method investments Â Â Â $ 100 Â Â Â Â Â Â Â Related Party [Member] | IGM Brokerage Corp. [Member] Â Â Â Â Â Â Â Â Related Party Transaction [Line Items] Â Â Â Â Â Â Â Â Due to Related Parties Â Â Â Â $ 0 Â Â Â $ 0 Â Â Â Genie Energy Charitable Foundation [Member] | Class B common stock [Member] Â Â Â Â Â Â Â Â Related Party Transaction [Line Items] Â Â Â Â Â Â Â Â Class B common stock purchased from Genie Energy Charitable Foundation $ 800 Â Â Â Â Â Â Â Â Number of shares repurchased, shares 50,000 Â Â Â Â Â Â Â Â Fair value of common stock Â $ 1,000 Â Â Â Â Â Â Â Â Number of common stock shares issued Â 50,000 Â Â Â Â Â Â Â Â X - DefinitionAmount of cash outflow for payment of insurance premiums. + ReferencesNo definition available. + Details Name: gne_PaymentOfInsurancePremium Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe amount of restricted class B common stock purchased from related party. + ReferencesNo definition available. + Details Name: gne_RestrictedCommonStockPurchasedFromRelatedParty Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionDate the warrants or rights are exercisable, in YYYY-MM-DD format. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-3 + Details Name: us-gaap_ClassOfWarrantOrRighstDateFromWhichWarrantsOrRightsExercisable Namespace Prefix: us-gaap_ Data Type: xbrli:dateItemType Balance Type: na Period Type: duration X - DefinitionExercise price per share or per unit of warrants or rights outstanding. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-3 + Details Name: us-gaap_ClassOfWarrantOrRightExercisePriceOfWarrantsOrRights1 Namespace Prefix: us-gaap_ Data

Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionNumber of securities into which the class of warrant or right may be converted. For example, but not limited to, 500,000 warrants may be converted into 1,000,000 shares. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-3 + Details Name: us-gaap_ClassOfWarrantOrRightNumberOfSecuritiesCalledByWarrantsOrRights Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionThe percentage of ownership of common stock or equity participation in the investee accounted for under the equity method of accounting. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3 + Details Name: us-gaap_EquityMethodInvestmentOwnershipPercentage Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - DefinitionThis item represents the carrying amount on the entity's balance sheet of its investment in common stock of an equity method investee. This is not an indicator of the fair value of the investment, rather it is the initial cost adjusted for the entity's share of earnings and losses of the investee, adjusted for any distributions (dividends) and other than temporary impairment (OTTI) losses recognized. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481664/323-10-45-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(10)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 25 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-25 + Details Name: us-gaap_EquityMethodInvestments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionNumber of shares of investment owned. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478795/946-210-50-6Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 55 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477439/946-210-55-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478795/946-210-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 320 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.12-12(Column B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477271/946-320-S99-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 320 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.12-12B(Column B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477271/946-320-S99-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 320 -Name Accounting Standards Codification -Section S99 -Paragraph 6 -Subparagraph (SX 210.12-14(Column B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477271/946-320-S99-6 + Details Name: us-gaap_InvestmentOwnedBalanceShares Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionAmount of liabilities classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(15)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-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)(15)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 3: 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 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(12)(b)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 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(12)(b)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 6: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(12)(b)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 7: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap_OtherLiabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionThe cash inflow associated with the sale of equity method investments, which are investments in joint ventures and entities in which the entity has an equity ownership interest normally of 20 to 50 percent and exercises significant influence. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 12 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-12 + Details Name: us-gaap_ProceedsFromSaleOfEquityMethodInvestments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe cash inflow associated with the amount received from holders exercising their stock warrants. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 14 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14 + Details Name: us-gaap_ProceedsFromWarrantExercises Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481990/310-10-45-13Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(c)(2)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(c)(2)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(g)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1 + Details Name: us-gaap_RelatedPartyTransactionLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of consideration received by subsidiary or equity investee in exchange for shares of stock issued or sold. Includes amount of cash received, fair value of noncash assets received, and fair value of liabilities assumed by the investor. + ReferencesNo definition available. + Details Name: us-gaap_SaleOfStockConsiderationReceivedPerTransaction Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe number of shares issued or sold by the subsidiary or equity method investee per stock transaction. + ReferencesNo definition available. + Details Name: us-gaap_SaleOfStockNumberOfSharesIssuedInTransaction Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber of new stock issued during the period. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 505 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478448/946-505-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodSharesNewIssues Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionEquity impact of the value of new stock issued during the period. Includes shares issued in an initial public offering or a secondary public offering. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-11Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 205 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478009/946-205-45-4Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 505 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478448/946-505-50-2Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodValueNewIssues Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionNumber of shares that have been repurchased during the period and have not been retired and are not held in treasury. Some state laws may govern the circumstances under which an entity may acquire its own stock and prescribe the accounting treatment therefore. This element is used when state law does not recognize treasury stock. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 505 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478448/946-505-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-03(i)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479886/946-10-S99-3Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockRepurchasedDuringPeriodShares Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionCumulative number of shares issued or sold by the subsidiary or equity method investee on all stock transactions. + ReferencesNo definition available. + Details Name: us-gaap_SubsidiaryOrEquityMethodInvesteeCumulativeNumberOfSharesIssuedForAllTransactions Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionCumulative amount of cash and other consideration received by subsidiary or equity method investee in exchange for shares or stock issued or sold. Include amounts of cash received, fair value of non-cash assets received, fair value of liabilities assumed, and fair value of any other forms of consideration. + ReferencesNo definition available. + Details Name: us-gaap_SubsidiaryOrEquityMethodInvesteeCumulativeProceedsReceivedOnAllTransactions Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of unrealized gain (loss) on investment. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_UnrealizedGainLossOnInvestments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - Details Name: us-gaap_StatementClassOfStockAxis=us-gaap_CommonClassBMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis=gne_OtherInvestmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_RelatedPartyTransactionAxis=gne_RafaelHoldingsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-

gaap_RelatedPartyTransactionAxis=gne_IGMBrokerageCorpMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_RelatedPartyTransactionAxis=gne_Atid613Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_RelatedPartyTransactionsByRelatedPartyAxis=us-gaap_RelatedPartyMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_NonmonetaryTransactionTypeAxis=gne_GenieEnergyCharitableFoundationMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 104 R93.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Business Segment Information (Details) - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Segment Reporting Information [Line Items] Â Â Â Â Revenues $ 90,696 $ 93,463 $ 210,384 $ 198,739 Income (loss) from operations 10,563 15,035 20,412 26,310 Depreciation and amortization 196 96 415 191 Stock-based compensation 458 756 1,207 1,605 Provision for doubtful accounts receivables 481 798 1,210 1,372 Provision for (benefit from) income taxes 3,465 3,865 6,385 7,933 GRE [Member] Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Revenues 86,718 89,733 199,183 191,145 Income (loss) from operations 14,611 18,417 28,860 34,864 Depreciation and amortization 46 83 151 165 Stock-based compensation 260 275 507 548 Provision for doubtful accounts receivables 481 798 1,210 1,372 Provision for (benefit from) income taxes 4,454 5,369 8,543 10,019 Genie Renewables [Member] Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Revenues 3,978 3,730 11,201 7,594 Income (loss) from operations (1,390) (1,276) (2,036) (2,425) Depreciation and amortization 150 13 264 26 Stock-based compensation 9 9 17 10 Provision for doubtful accounts receivables Provision for (benefit from) income taxes (231) (474) (841) (789) Corporate [Member] Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Revenues Income (loss) from operations (2,658) (2,106) (6,412) (6,129) Depreciation and amortization Stock-based compensation 189 472 683 1,047 Provision for doubtful accounts receivables Provision for (benefit from) income taxes $ (758) $ (1,030) $ (1,317) $ (1,297) X - DefinitionAmount of expense for award under share-based payment arrangement. Excludes amount capitalized. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 - SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 14.F) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479830/718-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (h)(1)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_AllocatedShareBasedCompensationExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe current period expense charged against earnings on long-lived, physical assets not used in production, and which are not intended for resale, to allocate or recognize the cost of such assets over their useful lives; or to record the reduction in book value of an intangible asset over the benefit period of such asset; or to reflect consumption during the period of an asset that is not used in production. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 360 -SubTopic 10 -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1 + Details Name: us-gaap_DepreciationAndAmortization Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 6.I.7) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479360/740-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-10Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Subparagraph (a) -SubTopic 20 -Topic 740 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482659/740-20-45-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(h)) -SubTopic 10 -Topic 235 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1 + Details Name: us-gaap_IncomeTaxExpenseBenefit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe net result for the period of deducting operating expenses from operating revenues. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 31 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-31 + Details Name: us-gaap_OperatingIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of expense (reversal of expense) for expected credit loss on accounts receivable. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479319/326-20-50-13Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_ProvisionForDoubtfulAccounts Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount 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). + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 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: 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/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-40Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 25: 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 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_Revenues Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_SegmentReportingInformationLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_StatementBusinessSegmentsAxis=gne_GenieRetailEnergyMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=gne_GenieEnergyServicesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=us-gaap_CorporateMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 105 R94.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Business Segment Information (Details 1) - USD ($) $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Segment Reporting, Asset Reconciling Item [Line Items] Â Â Total assets $ 322,783 $ 330,555 GRE [Member] Â Â Segment Reporting, Asset Reconciling Item [Line Items] Â Â Total assets 207,940 214,121 Genie Renewables [Member] Â Â Segment Reporting, Asset Reconciling Item [Line Items] Â Â Total assets 34,815 28,912 Corporate [Member] Â Â Segment Reporting, Asset Reconciling Item [Line Items] Â Â Total assets $ 80,028 $ 87,522 X - DefinitionAmount of asset recognized for present right to economic benefit. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2:

http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 12: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 13: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(12)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 18: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 19: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 30: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(11)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1 + Details Name: us-gaap_Assets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_SegmentReportingAssetReconcilingItemLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_StatementBusinessSegmentsAxis=gne_GenieRetailEnergyMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=gne_GenieEnergyServicesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=us-gaap_CorporateMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 106 R95.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Business Segment Information (Details Textual) $ in Millions 6 Months Ended Jun. 30, 2024 USD ($) Segment Dec. 31, 2023 USD ($) Segment Reporting Information [Line Items] Â Â Number of reportable segments | Segment 2 Â Orbit Energy Lumo Finland and Lumo Sweden [Member] Â Â Segment Reporting Information [Line Items] Â Â Aggregate net assets | $ $ 11.4 $ 20.6 X - DefinitionAmount classified as assets attributable to disposal group held for sale or disposed of. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10 -SubTopic 20 -Topic 205 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-10Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5CReference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5BReference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-3Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-11 + Details Name: us-gaap_AssetsOfDisposalGroupIncludingDiscontinuedOperation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionNumber of segments reported by the entity. A reportable segment is a component of an entity for which there is an accounting requirement to report separate financial information on that component in the entity's financial statements. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 47 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-47Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 54 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-54Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-18 + Details Name: us-gaap_NumberOfReportableSegments Namespace Prefix: us-gaap_ Data Type: xbrli:integerItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_SegmentReportingInformationLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_IncomeStatementBalanceSheetAndAdditionalDisclosuresByDisposalGroupsIncludingDiscontinuedOperationsAxis=gne_OrbitEnergyLumoFinlandAndLumoSwedenMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 107 R96.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Commitments and Contingencies (Details) $ in Thousands Jun. 30, 2024 USD ($) Commitments and Contingencies Â Remainder of 2024 $ 76,313 2025 53,645 2026 9,505 2027 1,020 Thereafter Total payments $ 140,483 X - ReferencesNo definition available. + Details Name: us-gaap_CommitmentsAndContingenciesDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionMinimum amount of other commitment not otherwise specified in the taxonomy. Excludes commitments explicitly modeled in the taxonomy, including but not limited to, long-term and short-term purchase commitments, recorded and unrecorded purchase obligations, supply commitments, registration payment arrangements, leases, debt, product warranties, guarantees, environmental remediation obligations, and pensions. + ReferencesNo definition available. + Details Name: us-gaap_OtherCommitment Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of commitment classified as other to be paid after fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesNo definition available. + Details Name: us-gaap_OtherCommitmentDueAfterFifthYear Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of commitment classified as other to be paid in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesNo definition available. + Details Name: us-gaap_OtherCommitmentDueInNextTwelveMonths Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of commitment classified as other to be paid in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesNo definition available. + Details Name: us-gaap_OtherCommitmentDueInSecondYear Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of commitment classified as other to be paid in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesNo definition available. + Details Name: us-gaap_OtherCommitmentDueInThirdYear Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of commitment classified as other to be paid in remainder of current fiscal year. + ReferencesNo definition available. + Details Name: us-gaap_OtherCommitmentsFutureMinimumPaymentsRemainderOfFiscalYear Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 108 R97.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Commitments and Contingencies (Details 1) $ in Thousands Jun. 30, 2024 USD ($) Commitments and Contingencies Â Remainder of 2024 $ 182 2025 907 2026 2,038 2027 3,072 2028 3,709 Thereafter 36,856 Total payments $ 46,764 X - ReferencesNo definition available. + Details Name: us-gaap_CommitmentsAndContingenciesDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of contractual obligation, including, but not limited to, long-term debt, lease obligation, purchase obligation, and other commitments. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-3 + Details Name: us-gaap_ContractualObligation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of contractual obligation to be paid after fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesNo definition available. + Details Name: us-gaap_ContractualObligationDueAfterFifthYear Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of contractual obligation to be paid in fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesNo definition available. + Details Name: us-gaap_ContractualObligationDueInFifthYear Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of contractual obligation to be paid in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesNo definition available. + Details Name: us-gaap_ContractualObligationDueInFourthYear Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of contractual obligation to be paid in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesNo definition available. + Details Name: us-gaap_ContractualObligationDueInNextTwelveMonths Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of contractual obligation to be paid in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesNo definition available. + Details Name: us-gaap_ContractualObligationDueInSecondYear Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of contractual obligation to be paid in third fiscal year following current fiscal year. Excludes interim and annual periods when

interim periods are reported from current statement of financial position date (rolling approach). + ReferencesNo definition available. + Details Name: us-gaap_ContractualObligationDueInThirdYear Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 109 R98.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Commitments and Contingencies - Schedule of change in the current and noncurrent captive insurance liabilities (Details 1) $ in Millions 6 Months Ended Jun. 30, 2024 USD ($) Schedule of change in the current and noncurrent captive insurance liabilities Â Current and noncurrent captive insurance liabilities, beginning $ 45,088 Changes for the provision of prior year claims 2,810 Changes for the provision for current year claims (1,134) Payment of claims Current and noncurrent captive insurance liabilities, end $ 46,764 X - DefinitionThe amount of captive insurance liability. + ReferencesNo definition available. + Details Name: gne_CaptiveInsuranceLiability Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionThe amount of decrease in the captive insurance liability resulting from the payment of claims. + ReferencesNo definition available. + Details Name: gne_DecreaseInCaptiveInsuranceLiabilityPaymentOfClaims Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe amount of increase (decrease) in the captive insurance liability resulting from changes for the provision of current year claims. + ReferencesNo definition available. + Details Name: gne_IncreaseDecreaseInCaptiveInsuranceLiabilityChangesForProvisionOfCurrentYearClaims Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe amount of increase (decrease) in the captive insurance liability resulting from changes for the provision of prior year claims. + ReferencesNo definition available. + Details Name: gne_IncreaseDecreaseInCaptiveInsuranceLiabilityChangesForProvisionOfPriorYearClaims Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: gne_MovementInCaptiveInsuranceLiabilitiesRollForward Namespace Prefix: gne_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 110 R99.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Commitments and Contingencies (Details Textual) â,¬ in Millions 3 Months Ended 6 Months Ended 12 Months Ended Sep. 29, 2023 USD ($) Jun. 30, 2024 USD ($) Jun. 30, 2023 USD ($) Jun. 30, 2024 USD ($) Jun. 30, 2023 USD ($) Dec. 31, 2023 USD ($) Jun. 30, 2024 EUR (â,¬) Commitments and Contingencies Â Â Â Â Â Â Â Provision for captive insurance liability Â Â Â $ (1,134,000,000) Â Â Â Settlement payment amount Â $ 5,200,000 Â 5,200,000 Â Â â,¬ 4.8 Future purchase commitments Â 140,483,000 Â 140,483,000 Â Â Â Purchase of renewable energy credit Â Â Â 14,200,000 Â Â Â Future purchase commitments Â 140,500,000 Â 140,500,000 Â Â Â Restricted Cash, Noncurrent Â 46,400,000 Â 46,400,000 Â $ 44,945,000 Â Genie Retail Energy [Member] Â Â Â Â Â Â Â Commitments and Contingencies Â Â Â Â Â Â Â Aggregate performance bond outstanding Â 21,400,000 Â 21,400,000 Â Â Â Electricity [Member] Â Â Â Â Â Â Â Commitments and Contingencies Â Â Â Â Â Â Â Future purchase commitments Â 126,300,000 Â 126,300,000 Â Â Â Purchase of Electricity expenses Â 19,900,000 $ 15,200,000 44,500,000 $ 24,300,000 Â Â Renewable energy credits [Member] Â Â Â Â Â Â Â Commitments and Contingencies Â Â Â Â Â Â Â Purchase of renewable energy credit Â 8,100,000 5,700,000 9,900,000 12,200,000 Â Â BP [Member] Â Â Â Â Â Â Â Commitments and Contingencies Â Â Â Â Â Â Â Trade accounts payable Â 20,100,000 Â 20,100,000 Â Â Â Trade Accounts Receivable [Member] Â Â Â Â Â Â Â Commitments and Contingencies Â Â Â Â Â Â Â Assets pledged as collateral to BP Energy Â 59,100,000 Â 59,100,000 Â Â Â Restricted Cash [Member] Â Â Â Â Â Â Â Commitments and Contingencies Â Â Â Â Â Â Â Assets pledged as collateral to BP Energy Â 800,000 Â 800,000 Â Â Â Office of the Attorney General of the State of Illinois [Member] | Residents Energy [Member] | Settlement Agreement [Member] Â Â Â Â Â Â Â Commitments and Contingencies Â Â Â Â Â Â Â Loss contingency damages sought, value $ 50,000 Â Â Â Â Â Â Â Gross revenue Â 8,200,000 $ 10,400,000 20,700,000 $ 24,000,000 Â Â Captive Insurance Company [Member] Â Â Â Â Â Â Â Commitments and Contingencies Â Â Â Â Â Â Â Provision for captive insurance liability Â 600,000 Â 1,700,000 Â Â Â Payment of insurance premium Â Â Â Â Â $ 51,200,000 Â Restricted Cash, Current Â 5,100,000 Â 5,100,000 Â Â Â Restricted Cash, Noncurrent Â 46,400,000 Â 46,400,000 Â Â Â Other current liabilities Â $ 400,000 Â $ 400,000 Â Â Â X - ReferencesNo definition available. + Details Name: gne_AssetsPledgingPurposeEnumerations Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of the recorded obligation to transfer funds in the future for fixed or minimum amounts or quantities of goods or services. + ReferencesNo definition available. + Details Name: gne_FuturePurchaseCommitments Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionThe amount of gross revenue. + ReferencesNo definition available. + Details Name: gne_GrossRevenue Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe amount of increase (decrease) in the captive insurance liability resulting from changes for the provision of current year claims. + ReferencesNo definition available. + Details Name: gne_IncreaseDecreaseInCaptiveInsuranceLiabilityChangesForProvisionOfCurrentYearClaims Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash outflow for payment of insurance premiums. + ReferencesNo definition available. + Details Name: gne_PaymentOfInsurancePremium Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionPerformance bond outstanding. + ReferencesNo definition available. + Details Name: gne_PerformanceBondOutstanding Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of purchase of electricity expenses. + ReferencesNo definition available. + Details Name: gne_PurchaseOElectricityRelatedExpenses Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionPurchase of renewable energy credit. + ReferencesNo definition available. + Details Name: gne_PurchaseOfRenewableEnergyCredit Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionCarrying value as of the balance sheet date of liabilities incurred (and for which invoices have typically been received) and payable to vendors for goods and services received that are used in an entity's business. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10 + Details Name: us-gaap_AccountsPayableCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-4Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 720 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483359/720-20-50-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 27 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482395/460-10-55-27Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-4Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-1 + Details Name: us-gaap_LossContingenciesLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe value (monetary amount) of the award the plaintiff seeks in the legal matter. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-4Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9 + Details Name: us-gaap_LossContingencyDamagesSoughtValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionReflects the estimated amount of loss from the specified contingency as of the balance sheet date. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 720 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483359/720-20-50-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 27 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482395/460-10-55-27Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-9Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-4Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-2 + Details Name: us-gaap_LossContingencyEstimateOfPossibleLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionMinimum amount of other commitment not otherwise specified in the taxonomy. Excludes commitments explicitly modeled in the taxonomy, including but not limited to, long-term and short-term purchase commitments, recorded and unrecorded purchase obligations, supply commitments, registration payment arrangements, leases, debt, product warranties, guarantees, environmental remediation obligations, and pensions. + ReferencesNo definition available. + Details Name: us-gaap_OtherCommitment Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of liabilities classified as other, due within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10 + Details Name: us-gaap_OtherLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of cash restricted as to withdrawal or usage, classified as current. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8 + Details Name: us-gaap_RestrictedCashCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of cash restricted as to withdrawal or usage, classified as noncurrent. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 5 -SubTopic 210 -Topic 954 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477220/954-210-45-5Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8 + Details Name: us-gaap_RestrictedCashNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_StatementBusinessSegmentsAxis=gne_GenieRetailEnergyMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=gne_ElectricitiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=gne_RenewableEnergyCreditsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_SupplyCommitmentAxis=gne_BpEnergyCompanyAndBpCorporationNorthAmericaIncMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AccountsNotesLoansAndFinancingReceivableByReceivableTypeAxis=us-gaap_TradeAccountsReceivableMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AccountsNotesLoansAndFinancingReceivableByReceivableTypeAxis=us-gaap_CashMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_LitigationCaseAxis=gne_OfficeOfAttorneyGeneralOfStateOfIllinoisMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_RelatedPartyTransactionAxis=gne_ResidentsEnergyMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_LitigationStatusAxis=gne_SettlementAgreementMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: dei_LegalEntityAxis=gne_CaptiveInsuranceCompanyMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 111 R100.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Debt (Details) - JPMorgan [Member] - USD ($) Dec. 13, 2018 Jun. 30, 2024 Line of Credit Facility [Line Items] Â Â Line of credit facility, amount outstanding $ 3,000,000 Â Quarterly unused commitment fee 0.10% Â Effective interest rate 1.00% Â Maximum amount of collateral under condition one $ 500 Â Percentage of fees for each letter of credit 1.00% Â Maximum principal amount on revolving line of credit $ 3,100,000 Â Cash collateral released Â $ 4,500,000 X - DefinitionCash collateral for line of credit released on expiration. + ReferencesNo definition available. + Details Name: gne_CashCollateralForLineOfCreditReleasedOnExpiration Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionMaximum amount collateral for line of credit under condition one. + ReferencesNo definition

available. + Details Name: gne_MaximumAmountCollateralForLineOfCredit Namespace Prefix: gne_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe total amount of the contingent obligation under letters of credit outstanding as of the reporting date. + ReferencesNo definition available. + Details Name: us-gaap_LettersOfCreditOutstandingAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionThe fee, expressed as a percentage of the line of credit facility, for the line of credit facility regardless of whether the facility has been used. + ReferencesNo definition available. + Details Name: us-gaap_LineOfCreditFacilityCommitmentFeePercentage Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionThe effective interest rate during the reporting period. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LineOfCreditFacilityInterestRateDuringPeriod Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members disclosed in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481544/470-10-50-6Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481544/470-10-50-6Reference 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(f)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1 + Details Name: us-gaap_LineOfCreditFacilityLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionMaximum borrowing capacity under the credit facility without consideration of any current restrictions on the amount that could be borrowed or the amounts currently outstanding under the facility. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LineOfCreditFacilityMaximumBorrowingCapacity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionThe fee, expressed as a percentage of the line of credit facility, for available but unused credit capacity under the credit facility. + ReferencesNo definition available. + Details Name: us-gaap_LineOfCreditFacilityUnusedCapacityCommitmentFeePercentage Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_LineOfCreditFacilityAxis=gne_JpmorganMember Namespace Prefix: Data Type: na Balance Type: Period Type: EXCEL 112 Financial_Report.xlsx IDEA: XBRL DOCUMENT begin 644 Financial_Report.xlsx M4$L#!!0 (-=T"%D'04UB@0 +$ 0 9&]C4')O<',O87!P+GAM M;$V./0L",1!$_\IQO;=!P4)B0-!2L+(/>QLOD&1#LD)^OCG!CVX>;QA&WPIG M*N*I#BV&5(_C(I(/ !47BK9.7:=N')=HI6-Y #OGDK7A.YNJQ<&4GPZ4A!0W_J=0U[R;UEA_6\#MI7E!+ P04 M " #7= A9/<..1×X K @ $0 &1O8U!R;W!S+V-O&ULS9+; M2L0P$(9?17+?3@^RE-#-C>*5@N""XEU(9G>#S8%DI-VW-ZV[740?0,A-9OY\ M\PVD5X$K'_$Y^H"1#*:;R0XN<16V[$@4.$!21[0RE3GA4!HJFH#%DEJ21)F8!%6(A.]5EQ%E.3C&:_5B@^?<5A@6@$.:-%1@KJL@8EY M8CA-0P]7P PCC#9]%U"OQ*7Z)W;I #LGIV36U#B.Y=@NN;Q##6]/CR_+NH5Q MB:13F%\EP^D4<,LNDU_;N_O= Q--U=P659?KNYXV_%F\SZ[_O"["ENOS=[\ M8^.+H.CAU[\07U!+ P04 " #7= A9F5R<(Q & "<)P $P 'AL+W1H M96UE+W1H96UE,2YX;6SM6EMSVC@4?N^OT'AG]FT+QC:!MK03621A'^_1S80RY8-[9)-NIL\!"SI^\Y%1^?H.'GS[BYBZ(:(E/)X M8-DOV]:[MR_>X%#BVR]*+ M41B1%G\@M MNN01.+5)#3(3/PB=AIAJ4!P"I DQEJ&&^+3&K!'@$WVWO@C(WXV(]ZMOFCU7 MH5A)VH3X$$8:XIQSYG/1;/L'I4;1]E6\W*.76!4!EQC?-*HU+,76>)7 \;V< M/!T3$LV4"P9!AI@S M&L%&KQMUAVC2/'K^!?F<-0HACA*FNVB<5@$_9Y>PTG!Z(++9OVX?H;5,VPLCO='U!=*Y \FIS_I,C0' MHYI9";V$5FJ?JH,@H%\;D>/N5Z>HWEL:\4*Z">P'_T=HWPJOX@L Y M?RY]SZ7ON?0]H=*W-R-]9\'3BUO>1FY;Q/NN,=K7-"XH8U=RSTS0LS0[=R2^JVE+ZU)CA* M]+',<$X>RPP[9SR2';9WH!TU^_9==N0CI3!3ET.X&D*^ VVZG=PZ.)Z8D;D* MTU*0;\YZ<5X&N(YV02Y?9A7;>?8T='[Y\%1L*/O/)8=QXCRHB'NH8:8S\-# MAWE[7YAGE<90-!1M;*PD+$:W8+C7\2P4X&1@+: '@Z]1 O)256 Q6\8#*Y"B M?$R,1>APYY=<7^/1DN/;IF6U;J\I=QEM(E(YPFF8$V>KRMYEL<%5'<]56_*P MOFH]M!5.S_Y9KF4Q9Z;RWRT,"2Q;B%D2XDU=[=7GFYRN>B)V^I=W MP6#R_7#)1P_E.^=?]%U#KG[VW>/Z;I,[2$R<><41 71% B.5' 86%S+D4.Z2 MD 83>LX=SFWJXPD6L_UC6'ODRWSEPVSK> U[F M$RQ#I'[!?8]*@!&K8KZZKT_Y)9P[M'OQ@2";_-;;I/;=X Q\U*M:I60K$3]+ M!WP?D@9CC%OT-%^/%&*MIK&MQMHQ#'F 6/,,H68XWX=%FAHSU8NL.8T*;T'5 M0.4 V]0-:/8--!R1!5XQF;8VH^1."CS<_N\-L,+$CN'MB[\!4$L#!!0 (M -=T"%D6(\;%/08 +@C 8 >&PO=V]R:W-H965T&UL MM9IK9)OM;C8;I^UL._V@@&PS >251!S_M^QXP!N]6'#-,^)(YKSHU='ED>!\(]637@EAR$L4QOJBLS)F_:;7T]Y*1%R?MRK6(X9>%5!$W<*J6/;U6@OM94!3VJ.,,>Q$/XL[D/+MVIR;G,C%A$(L[1702 M15QM+T4H-Q<=M[._#P[UG,1'BFZE". MK[EHIWAF&GAXO%>_SLR#F4>NQ4R&?P6^65UTQAWBBP5/0G,O-[^)W- @U?-D MJ+._9+.[M]_O$"_11D9Y,)0@"N+=?_Z25\1AP+@B@.8!]+L M^H)+]@F=%= MR3);;[GADW,E-T2E=X-:>I#5318-;H(X3>/<*/@U@#@S>2N]!+)B"(]]<27T><_T]*8GIN0+VWN\/@%#[6M4F9H6$-39X6I,[10LT2IS%*@/>AS7P17:)Q MM6[7I5WFVDRB@0U-NDXY]3IUAI;Y"B"&S&2TYK%U6#DB4YE"/*ZIO0.R<.MU MP3R->4^\ALMVG,#E/E.K1S2HJ4=:>J2U9H>\P=Z+M50FB)=D;KBIL(DK?K&R MU@R/:NJS9!T7A8F]S^L@%(K,H!LNI;*W55QGZGE \ H$_)V8U6L;8..69./6 M0IMYQ*%;7B8:?M;V3.(ZU?VR#9YQ2Z!Q<0[YOE]FPVMUK\3%]N9$/*RIQQ)H M7!Q)\AQ>1<"5:7=\!PIFOA2RN&!U,MN@'+?$'!>GDX..26Z3Z-':HRZ/B+A= M-F!T9+77!MRX)=VX.)[D]A[X"[GQH$" M[V[MMMH@(%H2$,5YY2$P,/3(!7'ISX^_D+GP$@6IM?K#E68AUYI<$D]&$71P M;:3W=$+6,#D]\S 1Y$?GU'')&@ DVY*RUD4;E$1+2J(XW>S-DZL7;\7CI:C< M%#DB=/ME;L]U&V1$2S*B.-$4Y/ YX0I&J'";$Z_5(JYE5&)/81MP1$LXHC7A M"+IKK(-LJD$\XF*5T(#'-359TA&M14=3WP=U?;(_(-GFY:?8WF)QR0%UR*62 MW(=!7 EAJZT9+M'4=8E*M!8J%:YGZ1E,-@]R$UL=XW*W8L/5D]5G&\Q$2V:BMM9BI\%G,JG=*/@>Q9T\OKGG[WFJT#5BB)2S16K!4&+V3VL!ZYN]@70T.N*(S MU] I*W&)X4"3-=6I$KS2V!&!LQ&SOD%H XE8B40,)YH/,ML76LD8 M6[P<$>FS,2Q?',?JKPTV8B4;L3I$,TV7G2G1S%.BL3I\)6S)3;S@M5@; M[\5>]\58&YC$2DQBM3:0#K,.HW#V&I5\2@P,4G&Z$K#6PRO13UX/.[5!II:^MT'^>N(-1GU%8^C[;+):8Q'"RV;/2T9]2]"3^VD#FUB)36S80LM^)>C):Z - MA&(E0K%:"U6H9;2%.7U,/I?RZ8#YHY'8_I=T^X=?!N1[@9FGXQH6&0FL=E] M)E%<+3Y+F68?8_3*VW??M'SDZ6:B)J%80*AS.H+']JUG(KL3(]?9EQ:/TA@9 M98>1),EMS<=F>[,/6/L D++&&(A00M,?[]0$H61!)$)9VE!=;$AO- MTXU&GP.0Y\]"?JOFG"OP?5&4U<5HKM3R=#*ITCE?L.I$+'FIKSP*N6!*?Y6S M2;64G&7-H$4QP1"&DP7+R]'E>?/;C;P\%[4J\I+?2%#5BP63+^]X(9XO1FCT M^L-M/ILK\\/D\GS)9OR.JZ_+&ZF_339>LGS!RRH7)9#\\6)TA4ZG 38#&HL_M<_Y<;7T&)I0'(;Z9+Q^RBQ$TB'C!4V5<,/WOB4]Y41A/&L=?:Z>CS3W-P.W/ MK]Y_:X+7P3RPBD]%\>\\4_.+43P"&7]D=:%NQ?,??!U08/REHJB:O^!Y;0M' M(*TK)1;KP1K!(B]7_]GW=2*V!B Z, "O!^!=!Y#U -($ND+6A'7-%+L$^(9 M2&.MO9D/36Z:T3J:0#33>*>DOIKK<>IR^N7SW9>/'ZZO[M?@W=7'Z\^3]^# MNS_>O[^_[]\+5F=Y8IGOX)C\/7N&OQR]"LX GD)[N>BKEB95><3I5$87Y-T M?<=WJSOB@3O^JRY/ (%C@"&FCN%3__!KGNKAJ!E.VL,G.O9- O F ;CQ1X82M4$O)2P5857%5G;KB63F@;@=FG9U62Y;RBY%>2!673WQT^?-/*(1GKN@.Y*P5 M*]G$2GS>+Z>LF@,]:R U'_A?=?[$"AV\1I.QZ' M&8Q"F&S,6DCI!BGU(KWEE9)YJDNOP?KS3S%&^*R:"ZF.%9<+%^"5QV +28*B MN .W;X0@W0JJA3;8H V\:#\Q^8TK]E#P)JGJ!50\K66N!D$Y<41]72*(.K+X1HD$2 MNV'%&UBQ%]:-Y$N69X!_UZQ=N6LI[M\8191TX#FL0HP'RC[9P$N\\+ZHN9[@ MM-5 71"3?@*#*.P@=!C1*' #1-"R&_1WO!8X4[]97J6B5'E9Z]ZBU9!D1DZXM>0SV,$4PAAW@#BM$4#R06[1%S,B_6H5BQ0[97;O9OC]&(>HM')<=3F)"!H!: M D5>SAKHU84H9X.M>NUQ&PL-*>REUF%&$SI4%98&D9\';Z29>-VF3:EG3G>T;L=VF*$).4.%8*D0^;GP=R&RY[PHG- FPBLC0=%O:0W[>N^:/7*^B M3"--Q8(#Q;ZOU],P7@<9X2V66>-U6L$!O):,D)^-5FGUK'@'V00$]B;=989I M- #/DA+RL])G4:8_U%;[9$1Q$G31]ZTB"H=JP5(6\G6JJMZ(EO[UW)@;RU@[9[;O6XS*(X1@.SL[59]'/=59I*4^$^18;[K$5"'`>7I\.,)B0> M4++8DAOVD]N'39/C_DSVZ2J!87=[Y[*PV0(I.4T[.3V20Y'45=8N*RT2!UM:)D0[\R$/U#(?:(+>\<6+B,R5,:6#/$N9/A6AOM,AXCFQ*X8\3 <0^_VYR0RX6/$ CMHQ6T(DR*L"?N=ESL'[MDLO9"_BHLA-0*9%^FXLBX[]JMEC1V?JPR2D/B)=P]Y4'A_+6SH9E7>)GW1OY MJN";+(S!$3R!2).;!$^LJ/D98+6:"YG_SYC,F<:PWH4B.(80GH([+LW*Q!#A MXZLQR'B5STJFNN;Q. K@F3G1*G*=VZQ9M6#9W%[7&Q^;XJORRM2?6>9P/1SD MW5656NBE/4:M*;X@R8[+;T9AS_OZ/XXA[!ZT.>U"! >D';&2A/@ER;WD3-/BRVN-Z;E+1:6Z M4T[&-(R;><3CA+7M!7IH7>5H!WVGZQT%73N/F1"NA+EV."8MKMNRX[C,-P M*"%6Y!"_R-%:MU[41;-*Q.JH3RQTDES(H)MT3/X<5P4/2 MDEB]0_QZYY8KIG_2&IW)4D^:FR+ZFB4B4=3+K>.T&:*A[3MY)U!.%0-Q+ G'AQV*(DP&4JUU3_D;?VCR5B*0E^9K1I^7BK=*ZN!9TI]&7., MM,;M'J6Y[2(R5--6\9!=%(\GI0X1$R=!T /HLJ,!')!DU(H=ZA<[/4FV.:-T M Z;]TV?G>87+SG->0:U2H?ZM^RU?=8@;9@Y4__:&PO=V]U3$,/^O#X4-[:05M&IWY&;S_P>6/?0%U$W=T[NHR&=HYTZ^&QG\U M7Y*[EZ77UJ\W=OF63 (VEZ731-D&3[GQ8[?%9F*ALN21Z*3]]TO)BFF15XS3ZEY>7AY>46=/5?VM67(NT/=543;GDZ40ZJ/IM)DO^2IK3JHU+^4O]U6] MRH3\6#],FW7-LT77:%5,B><%TU66EY.+L^Z[Z_KBK-J((B_Y=8V:S6J5U3\NM>5$]G4_PY/F++_G#4K1?3"_.UMD#O^'BZ_JZEI^F.Y9%ON)EDU0= M/DU9W#;H$/_)^5.S]QZUIMQ5U;?VPX?%^<1KKX@7?"Y:BDR^//(9+XJ625[' M7SWI9-=GVW#__3/[[YWQTIB[K.&SJO@S7XCE^22:H 6_SS:%^%(J_<%[@_R6 M;UX53?<_>NJQW@3--XVH5GUC>6K=M7;P]N]W M "&.P & 'AL+W=OF63 (VEZ731-D&3[GQ8[?%9F*ALN21Z*3]]TO)BFF15XS3ZEY>7AY>46=/5?VM67(NT/=543;GDZ40ZJ/IM)DO^2IK3JHU+^4O]U6] MRH3\6#],FW7-LT77:%5,B><%TU66EY.+L^Z[Z_KBK-J((B_Y=8V:S6J5U3\NM>5$]G4_PY/F++_G#4K1?3"_.UMD#O^'BZ_JZEI^F.Y9%ON)EDU0= M/DU9W#;H$/_)^5.S]QZUIMQ5U;?VPX?%^<1KKX@7?"Y:BDR^//(9+XJ625[' M7SWI9-=GVW#__3/[[YWQTIB[K.&SJO@S7XCE^22:H 6_SS:%^%(J_<%[@_R6 M;UX53?<_>NJQW@3--XVH5GUC>6K=M7;P]N]W M "&.P & 'AL+W=OF63 (VEZ731-D&3[GQ8[?%9F*ALN21Z*3]]TO)BFF15XS3ZEY>7AY>46=/5?VM67(NT/=543;GDZ40ZJ/IM)DO^2IK3JHU+^4O]U6] MRH3\6#],FW7-LT77:%5,B><%TU66EY.+L^Z[Z_KBK-J((B_Y=8V:S6J5U3\N M

M/_CV8#X4VW):K?ZU7#3W+Z_&5]ZB_%@\KIJWU1,OCP<4[7CS:K7=_]=[.L0F M;<;YX[:IUL>-VY_7R\WA_\7OQQ-QLH$?=&S CALP(S6.(.C9(CALDYBY-.C88'S<8FQG&'1M,CAM,MS&/HVB5_].7*C?8*.ESRO5YF15/Q;>\W1_VHMMOW\IDN=G=''^: MNOW79;M=N_?M_WY*7[]_Y_V<>>D_?A'O_^U=>[^\ MFWG?_/E;[_>M\5FL7UQT[3Y=Y2;^3'7JT,NUI'K?=44*V*SJ7NS M-^T=4]9UN?#>-=7\5P(P[P;&3Z4G-O-J71):^+9MVR&ZA:5%OEIL[2D32C7A= MM;DW35VMVG^Y:_>D*>MRVQBDF_8V>+X7V/.]P/;HL /]JKQ;;G:[Y;TJ5L5F M7GI9%X\W*^?=>X'_GL1%CE.8/S'C/W/TV^G3K)T$T0EOAZ3$9@PC@*#51NAUW[DY$_TL,X09LP@R7LH-!&22IC$";J7&G7 M+7B^;L&PZ_:=M[TO6E7TNGY.]FYZ\L/VH9B7+Z]:_6_+^E-Y=?N7/_GQZ&_4 M2': 12<'.!D'HY%Q'F9VF!\EH167VG'MQ6:Q%9@A#R)'PC@2)I P"8)ID@V? M)1ONZ4&'9-L!=#=$E]XWK3[W?_IV]\MU/US?5ZM%66__ZJ6_/2Z;S]Y_WK9C MG=?.!I^*>O%?2L(A4L)(V P)2Y&P# G+D3"..A DD3()@VAT3/=\QD7.0GRT_ M+1=E.^_TVBG6P_.4<-LQP7D564/G=3O&&K^4G2F':AT)2Y&P# G+D3".A(D^ MEUR",FH:CI\U'/?7\/SPM- IX)@XFDED3/6FSH1#%8R$I4A8AH3E2!A'PD2O M:RY!*34))\\23IP2/CSQOFHG+(O),V'[0%CLGEHI!2?6T8PGQA/\U]ENZ'1 ML!0)RWJL?GU7O]8:_>^8EZOSPP4BIV$H=.KI&P M&1*6CBV%!O:#:X9,F2-A' D32)@$P33!3YX%/W$*_FVY;>KE?+>.]V65\G3>MX3T\UO/[_>WPL:[67KE^6%6?2_I&F!" G.+(&,^=NS-4X$A8BH1E2%C>Y\1R M9$:!A$D03-.W/U+^Q>B,PA>M:O=>6_6QSX/AD:>?;FNDFQ[#8G?8S+UW0S4* MI6506@ZE<2A-0&D21=,5?>+(^9YYCFNJG;Z\LUR[SQ^2\]?V8)E8W-8=R8> M.D&!TE(H+8/2D%(-[?T=1W%@UC("RW1.RJHJ(ZQB [,".NBKH@>10&H?2!)0F431= MOZJU M30LV20)K%1WJ!T%I*92606DYE,:A- &E211-K_A7]A%SVT?V4J)W+23FU'W MTQ6S#_$DW&IA7JSDP?F4?)GME6E-T68,>PL;'XF5%['H7,JD0AXJZ9WS[]MFIT!U)DPG4M!1"5A$!EADDK:/F^SB)[*,N6G,+>?TOT@??Y20QV52VBT(&QK MAI[H$H%LG,1V9 8]TAQ*XU":@-(DBJ9K6QDE[(*6I;/K0\Q>"R?7^9C=KT.LM\Q%1]O#4JVV)V"UJG8^((]?YR,.TUOF(*&J=CTS:O<['E(G_D#WTOE+"6U? M8O9*-+G41\1U#$!D!Q.UU <]D!Q*XU":@-(DBJ:K5[D,+/R*3]K,:6D,5C.2 M-H/24B@M@])R*(U#:0)*DRB:?O,HBX=A>YH8U>&2Q.9O;6A7$Y260FD9@# M:1Q*$[CNO$3EU.6L;!\&;&]B=*^+6:_C3EBB-:.)R@M@])R*(U#::+?I9>H MI+J:E0/&<)U.S#:4DL@:EZ&]3E!:>J2=/I\%Y@2=.L; ?#2#.EQ0FH#2)(JF MJU,Y7 S?R>1&#IY=0WTL*"UE1#?3:$0\=$(=*BB-0VD"2I,HFBY^Y5"QK]?5MQ(CN&Q8&UCP$:F1!:2F4ED%I>;_3RZ%)!90F433]W4;*H0K #4X!8:38R[;3 M@&AP(E9WW7LW5*I06@:EY5 :A](Q$E"91-%W1RI + _D\-3F[NT E,0#0XD:O= MT+0IE)9!:3F4QJ$T :5)%$V_!9I0%[A]N_3WLIXOM^7N!CC,6:K]#4'+GO"Q M?-\L-W!G'#I#@=+2+_S,=+^B"-+IDO%+1[4IV"M0Y M/F/?I0CMB(+2TH#P-2.[-S:#9LVA- ZE"2A-HFBZ^I6K&3B-'TW]3T5=%YO& M+7RH;PFES:"T]$C3ANE1.":4#[4DH30.I0DH3:)HNO*5)1FP3]$N(Y2606DYE,:I*V6,* *:41(9&5W/%RC?,'#[AKW: M)P*J52T(K#4ZJ&4(I:506@:EY5 :A](S>>E]TRV65-BXXXT5@;(- [=M>$&[M0V!['62[@SOS@.KV(\A93TS$V.T.U)Y3[0Y$'-GN0)X)]JV!B*+:':BDCG:' M0)EC@=L<^P/M#F[RX,>8"VBT(&P/J>-S"413&MWN #W2'$KC4)J TB2*IG\T M07EAH=L+._MB 5+6(=&F- ZCD>GQNI,/$&S8HV&+B+%',&K/H]@?&<\I.1%W MS5@<&W&**F,$8Q*ZK/DY/4V^E56_E#H]H=ZOWN OMI0D^@2 M&JV)OCU;1.!N$+.?KC/HD>90&H?2!)0F431=WLK["0]+]U_IVR](UV$*IBD [XZ"T-"0\+.K%]"L.93&H30!I4D435>_,O]" MM_GWYCC7V*F_/"PA[NZ#QP_;Y6)9U))\)5/?GV)6+9<[\V!50SO@H+2,.B&! M^6LKA^;D4)J TB1U/L;CCE=,1\K,B\XUMCVK6HUQN4ED%I.93&R8O%S#?W"VA2223U3[YJ18M5.961NTNM M5REC9#=NC?W87)AV9QJL3:BQ"*5E4%H.I7$H39!7WEQ,D434R;&=E,@FM/DIWY@$5'T>0LPJ(B&%F?T%&[7F41);;0<1=LPDS M*S4Y%>=/S.8'083%L3\Q7]-$TH(P["@#BI0Y%KG-L7X?0**O-=);F5Y"HQ5A M>U9T#1 1V,IB1-0 08\TA](XE":@-(FBZ=I6?EGD]LLN*V2,"!^)*F1T)Q\B M6*)'RAK"[!B[D)'::0ZE<2A-0&D21=/EK;R@Z+"4_W4*&2/H M-\.@M!F4ED)I&9260VD<2A-0FD31])M'^521VZ<:_%HO-V_P_6$W4+7/ &/K MW4?0K"F4ED%I.93&H30!I4D435>^\JBBC-AP%AB?HMS M!LV;0FD9E9)9#:1Q*$U":1-&T>R!6WE?L]KYZK:S&1/=7$C%SP1)'YA2IWY@%/M4>0 MV\IKB@1]HZV5!Q#WM)G?R(8+M83<1,<0(UM-N(N)(NXF*(^PF(HRRFTA: MM]T4*[LI=MM-O;_#1U]NJ.-T"8T615_'B0CL<)R@1YI#:1Q*$U":1-%T>2O' M*8Z^XF)M#.W=@M)F4%H*I6506@ZE<2A-0&D21=-O'F7DQ< OF\54D]$H,&M0MW2D'BQ[:PP6E95!:#J5Q*$WTN_02E517L_+M8MR7S6*[NRFT/M+GSC=8RE"S M#4K+^IR.')Z20VD"2I,HFBYDY:'%^(^0N9 R[05B\H+8V)5B]B.@\UT: TM#J4)*$VB:+KTE8D6NTVT:;795JOEHOCBHQ5GNKQBXB6*;&SVXKJS#M8SU#B# MTC(H+8?2.)0FH#1Y3D>:GA-EB"5N0ZQ]*!VJZ(1_Z A:'?:H8*&TE(H+8/2M=NO=LL.2A;6!06@:EY?U. M+X5C5]@:0VD<2A-0FD31#MJ^ MV=Z793,KFN+VQ4-Q5_Y4U'?+S=9;E1];_.C[W3U2+^_NGW]HJH>75^TCV(>J M::KU_H_W9;$HZUU^^\?JZKY\L--RW^JZE_W.6[_!U!+ P04 " #7= A9 MI.6Z$ID" !Q!@ & 'AL+W=ON#11)(:96K:[[Y#(T?(S#FN32_9%/GGO@6B2NI>-& 44'!RGJD]TT==@#(MD9/PR^H0+A["+XGQV_KZ1L^_PA?I*@"O.6*\)1$BL>W&<\3 M$/(UF=Q53#V07X.%5 *O[^]#U:O9NX?9]9,^DRL:0]_"-RM!K,&*57[UP3YQ/ MAZS_)[*]0G3;0G2?8@_';,T2*!-)\+$B?PI"0$*D+LDAXS6;6]]3W7O6H=-Q M>Q^[@;W>]?1\WI[<7BNW]^]R8UX4.!S56E.YSIX&Y[3W2.JS:;52>^?U%B"6MIJE)%%&5JGX';;3MFP/3+A[%A]A/Z_;WEZ9NQGC+EZR4)(<4*9W.*4H3=8.K M%XJO3(]8<(4=QTPS_": T FXGW*NM@M]0/N5"?\ 4$L#!!0 (-=T"%E1 M$MC)P@@ &DI8 >&PO=V]R:W-H965T&ULK5K;81*RL"$)#0CZ,E^_ $F)$G&Q ME'$>8I%J-/LT@#ZG(9X],E;0LF*\!((NST<7\'2! MIWI 8_%?1I^JG<] 0[GG_*>^N,[.1X&.B.8TE=H%47\>Z8+FN?:DXOBS=,?FMPTHQ4:5NIIO)5"?PG>_?8>_ 98">Y6 MO*Y(F55G$ZGBT5XG:??LC^VSD>/9,?C"2[FJP*_FS451++RH5VL3#)JS5+K!=N]MZ'U\6JU)2L]'J-65#S2T?R?_X!Q\"\;Q#=RM@<8;P%CG_?Y5U5V6)GR@M@ MMF/C9JRN+H]SF$0H.IL\[L9O6J%9$@9;[W HFU@T:N!O+E]4)*)4]7P))GFU VF=%.R&.,0P&.$RC&*'$#B/>PH@/ MS&\;?Q>\7F%]]+:(8R,8F,S"8>I-*Q1&06B/.=G&G'@WP47V/U7%5.&7%9!< M57X5=,IRVN2X Z/NZZN45"NP%OR1J7([E\VH/8VT*D-7_*6.^B-G.UE:[K- MUM0[P]\T^H8B%4.KA*PUR:DT5;4@94I!SL@]RYE\L65A:LYRG,2#2?8^WXX. M>(#-ML!F7F"75/E+&6FYN\P *;B0[*_FA@W,S"#X7#!FC9P!NW+%08](0;> M2*^+-6%"+UA= DA546GGWML\.IP.(O0_Z_ATPQU>AT>LI(S7]W)9YVHCI;S6 M>U'-!F6/Y#ZWUNK.^1XX9-0XFU68(,<,H#YTY)^!\E%EGXL7\$CRNELRN1*< M>@M8HT66Q9(,@_4^]!>FHI6*BI:>K&D(+<2PV>+%80.ZH\[*D?M^KG_5O+TYU@KZDSQ4J':C,JYMSM7^ZLK,";,8A7CJ2/07@K R$M(BQ4I'VBE MM6N[N9O4;@JKBV&@5V <2S%OY6T_!;V,@'X=<2=(1@\N!:8LB*-X6(HM5FKM MQ:[9ZM4#]-)M7PNLH25F:#$<,I[%:HRPLTSU5 U?XVJJF"(#]%DO=KNTAR8G M8YS,AA&:5F,X2UQ4UG,N])/NC:X7JHL40K/9SFIO"HF/VZS,:H1M6LVP(VC4 M\R_R\^]@<:()BUZ9)_J.T#I]D^X=(#N;UX8&F4P]AE,8#1>*S0YA5^^:>BI& M?BJ^K!N)>WUY!Q91FB9CY,I\S[OH-=YMU3AYIMN\6P,T MZ1:%,1K&:%J-(8RFKC![.D5^.OUZ:*N@]=O!+1(R:1'%(3(R;YKA*)XY,/7L MB5[OG _&Y&A;K:A,#DT""(>@+$P;Q:[Z@WJJ1:^WW0>ALH9N=M"A^C(U'LE0G7C?8Z($POU1XK#-[*VS[HGFV1GVT79,TDR=L:FS%9"P=H M"Z6J%6.4 (M9%+N654^\Z!7BK46Z4D)3[X6*YT2 ZJ62M !+DCJ;8V3CV! ; M^_N-^V/4DS7RD_4&5;/%??W!#O'M- A6S"9!C\, &]-D,9N%T"&0PI()0S^3 M[\Y3AT+/6'U?L8P1NZ0+;5R-@F'GZ7_R\=,4]F0>OMI7IY1F57L"IV8!5"2G M;S=G_L/ M5>O+#J2WT)0&XP3BX3F7S4P1@N-4(>P51.AOUJ]82A"M_.3_4&_V0NJ"P;[^U L1PEA@H;,9#&; M!:X?(7 O%[#_P&%Q>/#@G4*=UYE>?\WUBN89(-)UNO)>?W=/'UA9-H=):E-2MP;B5GK%Y)@'CR#SWM=D%<3!U58]>06"_@K#GX6!Y(I8"":&H!,*QP[:!WWV@3[MM49%1H _7]DJO.K[O0#]B^73G_/U!+ P04 " #7= A9 M:U7K0Z0* !,'0 &0'AL+W=O3JS*BR)-N)$[_,R(F3>@JJV3*AXK\<#H>OS@LI"X'E^>\=FLOSTWM267ZE[Y+]6MQ=-A2R75A2J=-J6P:GQFU>7QW3 M?M[PBU9KU_DM2).Y,5_IX2:]&(Q)()6KQ!,%B3\K]4;E.1&"&-\BS4'+D@YV M?S?4W['NT&4NG7IC\E]UZK.+P>E I&HAZ]S?F?5/*NIS0O02DSO^7ZS#WI-7 M Y'4SILB'H8$A2[#7_D]VJ%SX'3\R(%I/#!EN0,CEO*M]/+RW)JUL+0;U.@' MJ\JG(9PNR2GWWN*MQCE_>26==L(LQ*U53I5>!EN5J;BJ'?8Z)]YDLEPJQXMO MU0I^K. 5?W[HP9^H'":1UU7@-7V$UPOQP90^<^*Z3%7:/W\(N5OAIXWP5],G M"?ZC+D?B:#P4T_'T^ EZ1ZTQCIC>T?_$&('7\7Y>E&RO7243=3&HB)M=J<'E MCS],7HS/GM#DN-7D^"GJ?[$F3_/Z:+P2DQ]_.)U.IF=_GK'XG"DD:6**2I8; M72Y%7E5H@M99<;\;-/1\Q! MXZ6KYTZG6EH-M@<>?$C:Z?CL36#&3Y,S86SS@FG%Y>;^B]JGPX2S)*5FW>U*"%9@5 MRNI$BH,HQ)?1_4B\G\UN6T$ PCCML:WHF$&7 9P;2[,TQ$&7SMN:X<\);P3A MF)B,__XOWC:S7B>Y$J?8:Y7B-:>_"V25:K,*'DI4,5=6'$T>63G:LT*^C,85 M9@WND_'XV=9)=\I+G3>^:O1]?W?=:DK"K,AA:5!8.?@1AH.SM2?MY5^SMTO; G4+ <6#N;-Y]L3WR&1**^V\UPJLY1.+N6;Z6SHL# M(#^7-B309B@&G^^O!Z!RC*;*5N*=RJEN!.W9@W'' QV7PR"C3]*7].V]W*/ MXB/V8R'_:SV&W+?W?5MK$ID*9(I-XGL!#7)1ER(]@>=KE5X[,BAVPDLM N8(,6KD]') MLS:&Z&0X<&]R:8<0A=\M+2OA:+&)B(A$[4X8PGY5H$.$2:RZ)*N$,QQ99&#A M),>>R>N0=_0&8DQVQ6#>D=7>7R FUIE.,O!P>AEE+V19+] \ MU9;4JA2Y0O^G-19,I'(X\@;&TI:!G*#,.04/W(2@< H^204%<30? \DGX$S< ML= 6 O8W' E3JIAZ(<""@;&"*!B*4ODFZGIE@S"L"(V&HD9C%]"T@S2 Z1JO M/K'YV$\44RAN["[\NU\C3]A@P%SX@MCX3-M=-::-#/M?'@P:JC'A?JX+$Q)9 MB]D5WO-"X(8M7>!,*=C0\T%.1COBDK;2![P"UHV6SVPPB2[RG1X /:J4)H5 MQ24*!")_J1/A,KWP@=':U'D:JIX,Z2_48@&P$2;H&B7\F^LR)D;[:O.HIU2L MDHYK&6@!O.>Q,R!D0I-D'8/T8,*-@QZ:.D66-T@(KVJ1@-8,]K*+1B?,\Y QQR35 ,0^% M+GKX,:)[H[:$PB8;Z*T"ZH1*O0$U+/LY[&PIGB4P[XU8R8*27@6DYXY%>9]3\](U94)$<+&;1!_KB[*[''=R/=B-QKRDH M.G"!7L'Y+NT=SKO^8S\2;7!=730YKAZ'82R)@X?#<:\CUZ-7CZ+I:^-P7*?RA&9"#34BB)OHR13Z@#:,W-&UIV]&/0OW8 '=*C2X@(MS^'L?5']?$APW;')T71T(IZA[^8_S1Q-)V+GB^"IFELC\>#"(50G2^E<91M' MOFL'*MRW11!) HA0T"'T/J@Y#>X/.^6F]>=N)],!]+E*)%S=0.RVI%4!G89= M[X6!QJM1'.#PH8"/6H47;P]":T>G%/0_7@4"0I!#VXJ M0GM7H#CTF05ASL '+890<-7TR;QN";SV.*MM@K#(A" S^*P5^&>3L"DV>&^W[_"8^<(%T%SR=SRZZD.9 M#1^[VM7V4^$L?"';;@_?&3](NZ3Q*%<+'!V/7IX,A W?[L*#-Q5_+T/2>5/P M3Z0>P)LVX/W"P*\Q@1BT'U O.PM02P,$% @ UW0(62K)LTW% P 0 D M !D !X;"]W;W)K&ULU59M;]LV$/ZN7W%0A\X! MU$B6%3M.; .QFZXMT,%PNNTS+9TMHA2IDE1<__L=*<5QNL1=,>R+1%)WSSWW MQM-DI_074R):^%8)::9A:6U]%<-F&M[TK^:9D_<"?W+##I%(_7#^COO._DRYH97"CQ%R]L.0TO0RAP MPQIA5VKW'CM_+AQ>KH3Q3]BULED60MX8JZI.F1A47+9O]JV+PY'"9?*"0MHI MI)YW:\BS?,LLFTVTVH%VTH3F%MY5KTWDN'1)N;,:GX2?_K\4$[@FW7QM^ MSP1*:R)@LH 5&]MY;K'P I/8DD&G%N<=^+P%3U\ '\(G)6UIX%866#S5CXGH M@6WZP':>G@3\V,AS&"01I$F:G< ;'+P?>+S!_^-]"YX]#^[:ZBFA"J94L'!]6J8;03P,92Z_*L7C@!QORQUP%5'UX MJ+[@+>98K5'#H.]/!D'/PZG&D'5S%OB ."+?>Q?\$O33-!IDJ5LEHVB8C(/5 M4V>[V)N2B+ZQJ*M@'/5'ER0>9:3WO+10Y*27AFP894D"61:-LXO@L[),_$RL M';'1*!JGB5L-TV@\'OZ0(H4S%XW/=!=HXU)A*/DNTBRG;!0^23MN2_AM=?NK M@1L*-5T.AVKR.5C2U8R4N0+NFKH6G*)\L]7HT](JSY=TJ:#>[F&AJIK)/?0< MGS2YGB_]HG]!CV#"+Z6^^/VG2;'GM),@\9X@B!-W.ZW9C5>UGY%I9FKA^6=(O#FHG0-\WBOSN-L[MX:=I]C=02P,$% @ UW0(689D 22D @ W@4 !D !X;"]W;W)K&ULG51M3]LP$/Z>7W$*"&U2U;SVA=)6HC T)H$0[.6S MFUP;"\?.;*=E_W[GI(2R02?M2^P[W_/XN8OOIENE'TV!:.&I%-+,_,+::A(${M)BNP9*:O*I1TLE*Z9)9,O0Y,I9'E#:@401R&PZ!D7/KS:>.[T_.IJJW@$N\T MF+HLF?ZU0*&V,S_RGQWW?%U8YPCFTXJM\0'MM^I.DQ5T+#DO41JN)&AVF/EC'W)[7]C+M\!HXO4\(T7]BVL5'B M0U8;J\H=F!247+8K>]K580\P#M\!Q#M W.AN+VI47C++YE.MMJ!=-+&Y39-J M@R9Q7+J?\F UG7+"V?FUW*"T2G,TT\ 2H7,'V0Z\:,'Q.^AW"AI"P.?9([Y M:WQ 0CHU\;.:17R0\$LM^Y"$/8C#.#W EW39)0U?\G_9M>#T;;!KAXFI6(8S MG]Z[0;U!?WYR% W#LP/2TDY:>HC]7](.@V^514A.CL9Q%)]=PPL5[-%"IJAW MC,4@!--0,8G" M]$#2E"$M##9,U*QM2R>)R0S0G1Q++NB9PRMY\+>\44+71^/4^ZHL$T[3H#=L M5:6]P>F8ZM!D;/@3E.T;1?=&_R .^RE(19$:\4#<6[\[V.NY$O6ZF2RNYK6T M;?MUWFYXG;<]^Q+>3KX;IM=<&A"X(FC8'PU\T.TT:0VKJ:#E\K2/&BV!0U@ MU"Z SE>*WL/.K6V"]NHU0E[K9%Z5X/-U6U>WE^]K*-VDIW9G:JQ).5L5M9X:M=G[N=53+G M3=OB/!F-IN=;JO#)U5>A2?;3"U=NMM/NWJC"WKX?QL+EQK=>; MBFZ<7[S:R;7ZI*I_ISY:?#MOJ>1ZJTJG32FL6KT>OHE?OAW3>E[PJU:WKG,M M2).E,5_HR_?YZ^&(!%*%RBJB('O1EVJHB!"$..W0'/8LJ2-W>N&^GO6';HL MI5.7IOB/SJO-Z^%*'*UDG5179O;?ZF@SX3H9:9P_"EN_=ID-!19[2JS#9LA MP5:7_K^\"W;H;)@_M"$)&Q*6VS-B*=_)2EZ\LN966%H-:G3!JO)N"*=+93@#W5Y)M)1)))1,GZ$7MIJF3*]|/_3TA,9GR9"Z'2M[62F7@\1_T[9&S6\^/JK>#KZ[A$1QZV(X\>H_UX1'R?RDZF4&(NOOYHGR9BNJC1).E^M"B9VRG.%EIH19%GHM>7EE$.(%\L8**6K0$&8E.*6L MSG2U%[+.SXT5I:QJ*PNQEDYHAVQECOl5N< -8N-#&62(@YUB8 &^9,07YB1C:L?B5^PXEAB,L]!5B6SC=A2\C"V@"Z ZD;I0ZM4T0N]Z)VP$=<53)BKF6]7>(19&BI8QDL7_)CSYXMNM$P EP%UU2DJCL3WY<9 M;8>%ZDH7Y,/,;'>RU(H);(VK&NV"E01L8371\4MN-QI2PRW?.'%]]=$)E @+M=;!M!;%VM/>2,BX2L/O'GZ\C%FPG;84(VM$VD,1]L;-F;>76NU0" MY#Z#(\3SPFC;)>9M>\F"[UM[.G$CK6;342CIG,3RU:-@<\.!NB*G+XEOR["F M)/"NO2-W8N6-+&H.@TVPI!0[8ZN5*;01M\%Q/"DZZV7>N(TV'[3%+B>]O+.R=-+7ZAUT M46=]L/*$82!G"HDH X04GE87;2IVE$9T4S)0*L-EZ#P:!S.7E4\>6*:RJ+A- MM'?IAE1OA(Y"T%?['1D;2FC$+@!+O>X0..4$]]3'JX) M=HH]/68QH#B"^CU!$^O9WO2&IZ^2LA/8J7 M=MPHH)O).'A/^H3LPICU0+U R@$"5QJN"*'*(=LX*0DR',I#+PI2$-$7!MR$E,/%0A$A'L&^_43..@?82 N$%+OO/F)%6AM,C@ MI .>>UG7*,0!1YWFR#!D0ABS6=&%GP"Q;;:B9\/5O%AW]C FL_8UY&/0=N7 M'TG%1WN35=)]:2%X%.R\HQ4&74%U,#LV92A!(<:CR!X*EW.Q%N5R=JIDU#6 MW92A :@"L*ER0_?PQ3E5=: QO!S5XZ4'8NH.D X9F:4U23_CVDCV^E>V]M'6M:5%\4!OJP@C2.L#HFQ_WH()'S=BAT.ER5U=-?>L5HHP: 1ES4D!(THBGL'H MU(20.TQ%):?M8=H,IYTPZ;M:-;GD-!A#?2_6JJ7/IC.9YOVW&MW/*?#UC$*8 M !-J*S[7=HC&K4AJO3 X$FZC:F+G!J];DH1H:V2KK8L 9=4Y5]63/2 !U# M056-5&!X\K:UAZ[Y#,[JZM@P(+04N;84Q2TEP((,EXA!@I/GPT_75Y=N^"+4X6/@_*,Z'ZO8!@M;O# :=CL, 7@'8O27 M,<$M_DK3)$#(Z]_<+Q[UMPB'8S9%_O04%$+T$A+8Z>F84+U!KG0*QK".S]D MM'T[^:)M\%(99_HD?LD" *QRG[R=5N7QHDGFT@?I,$3#Q#H)']/]8$P!T[O M6?#Y_>[C&!90^;;:.>\RQHG0,54;;?-O:9S:-XV-,ZHV,*+UY6O,%'EJK$RUU&ZF/: !E4$UZSOW&=V%&Q4:O&E:7/E$\<2 M7/RM>M1G_3CK5%E?_E#0^0B03#YP"1"6Q)R,*]0S8++P_D%E8W25WZA5Y02 M?F;L'5KXE*8X]<3A#Y0E=+IKQF<0H*:7_MYIS/:H2&L.G=;G)'IG<.&1%O7M MUIUL5-J&,>]16^ZY9>8N%=.=_-Y*$6-*UX.K@Y8,_@I#(X?I!LPG@Y^H2(\ M>,YH:FH'R[L7@U\V5JG>H9_XH88VS9'=X+V^HW8<8@R>#<:S*!G-<)%&R6*" M_^%\"E>34309)8-?F[&==Z1Q-%],!Y,HCA?MVG0:)7$:A&INM@^CQ3P.GU[@ M9X/9/$I',2[FT3@>,W=Z_&RP&$73Q?0I'=)[.DP3DCT!E?18A^EH?JQ#$DUF MI,-BD1S$G$>3Z?0!'<91,E^$ST:'^2B*%P0683$C[OXO=$BC\30=?-)WO\\+ MXIE8+&"/%!?O*)HE8UP$SG0+!T;)K*^#F,"BS%(1:/YO%T]ASWGB5>BO=G\ MC^-H/IN$?UX-(C^%)18S7$&T>9PP1U[X3"1@G<['CZN2]E69S:(X'>$"]ES, M>YK),U#NR!FT?C*9BF0&"R0'64?C:#Z9/Z#)/(HGJ?\\Z#$91]/YE/2 8T=> M E]&1XMY-$L704["IYN>"&V*$FPQ]GZXOCH+/4OOH>WAOA_JK@$KMWSP%;](MT/NXH]7=GC$ZU6C=;VT $IW!,;I?:+;2?E'EP=FEYX9X4L2S28+ M1H39?-Q#A-DDFHS3P8EM]"#!YS0=M>N1"O$L^2>1[4&=II,H31/"M&B1+OHZ MQ5$RBT_I%".-IC,(,4JG!Z5F2)"'X/IO@+K3*G'. A%&,2$-('D2]W$/IDPF MR0FM"* 6BRGR.YG&[0Y83*9_=/8][!NR20:3PC*DRE@[TBW28*XFIS2+5E$ M29J(!9XOVATI15/\EZ+A86PN_(7TLH$FE,LPAS1-7P-&W:-0ZN(.[GGZ:Y_X,O Y.ZMNG]X[+H'B']TP&N/+7R3S1WY MF7C#KPTZIX?WCU1[(],3])?=GAXK4WZ-%Y+GV3LTQC85JNZ:-SJAX^^ M9^03.VXIU%RH]>Y/^><)H?K.FG)S335BGDDP[QH34=AU&<$QE)9(>92L>X3-M M2BQF[KP.AQ_/Q^D$3FGJTI,R>&NBC1PO\'^*BC4_]>K_O/-[# #0FG]U0L,P MJ/B?9K1WVQ^VO/&_YS@L][^*^1$*:4A:J!6VCLYFDZ&P_I&ULW5E;<]LV%G[GK\"XMGM:98651U#5./.,X29O=W"9.M\\0"4E8DX0*@%*TOWZ_ Y 4J4A*MIV=V=D'M6[S@')S[^0[X;*OTHUD)8=F7/"O,\XN5M>NGU].J(\NQ[T^^/KG,OBXO:9>_91WSY3I$>,^EX7_Y5\].[0(IOT3!(.*8.#D]ALY*5]RRV^?:;5EFE:#&UTX51TU

MA),%.>7!:KR5H+.W=\D?I322+&08+U+V4II$%586I4C9A[70W+U[=FVQ&]%< M)Q7G%Y[SX 3G,7L'/BO#7A6I2+OTUY"R$750B_IB<);AW\]BQ^)^R ;]P? , MQ[A1/7;\XO^"ZI[S\#AG2J2G9LT3\?P"F6*$WHB+VQ]_B,:]FS-R#QNYA^>X M_R6YSW-^KZQ@(W8/8I7)U+%A:L$^*7B0O2G82Y&(?"XTN6# WB/GWAC-1<8> M5N(1/Y]7 M3YFA<[Y%NBRL(:ALK)'[5MA#:K.2:R<(*V,7BHN)=&EDLF06Y M@')VQW)A5RKML==:Y0?;W]VUS%P05)?1P,<$^Z@E]K+J\'E;+"T2I6E+3NDD MJH%AEB#311%]'&G9.R\0Z%:*6@JK M+,\<+YE6$<:LYH59"*W!> N/0G%X&Q)M#;OBN7>_)*E4:,"7>?(TN.=F1?L& MEP$:1_!1H[|HNPO9&H)YB2@$UF1+=A61L:+^SSO!-8)$+,H,)EV()VPTB8-? ME$]W,D,PA.-Q/WC;LO75=-1G3X+WJ[#4T!"*]P)O*LH' QC6D!6\.ZZ9%$8 M#_NLX;J%.I5]G=<"LL,G48@MGV?8PX@E2=G;4TCC8_A+@FBH+'?&9FJ#F":" M8B\%Q>>RD/^B$(,MM' 5A Q)O,27M7#AI\5&(-_=FD1!([-#=BU)|LJ"0ZBO]*M7G4F MC[?2KACB&N7,NFI:)[8VQ6WCBIM\$#3 MP56#"NBNECAS)0%_[L'#5]2BV%<";^X*FY,BH4!!EF5H!<3"&]$<".]+ MHF^C"762A6LVY*N6U*9E BJS>WH7M*AT>")5:O9$/1_RQQMWY:U33+N[&['F M9+-L5TF[R'S)IFB$7T_LL2"@WQ0DK8R<5&%6 =4FJ<[3Y7)8];<[E0WV67A1]1*H#_G2FI0+@V>!AWK!5]9+[CJ M)O@SNWGX V@#>#%-"*($PZG% M894T!0!5M?=E_0Q7@S >#X(/8*59:TDEWC \:< &%%GSG0N40=B/9X3C8*.[>@"I7U(L*"=B+4$K,H(X"F918]B# MF#EM7>PX<=8-A[,^PJ0.>6"@-H_Q9,K&LX[ZW[<%="?:2T?]V?43=WQ21_+Q M.OGM,&^7_ /L_A3[:"$Z_N^F#Q@6CKZ)G!EQE66YNHP2RJGN;CKZ+@/I3-7 M58!YF!DZU#SNL]EPS*Y&?:!Y.#Z:C>M-Y@(%0;1 *;GAR'*,(!OI#IFZ&!;+ MIR-V%<<3+)W%[&K8'U430Z;,^8KMA2,O.#Y /T.*XG%_AO]7PPBS"04U NZ, ML-O:+>>E+X&HH;^(0@H8W6&&MQ8]BSCB'ZET62MUZ=4Z6D>;*LK;8=1]I-^, MF^ [W'_H=++8%9GL2:W?@0V0%#\[(20@6'Q;$H#6H2?)\']BA=+X5K@B9(^ M#F?C(8O&KKS<[W59DU])POFNU@&&<,> WY-TX6PT(&..PO$DVA\MS(4SIQ;\ M&U #R_U:--)6J ;HYG1W.HO-7**V8?(OGUZAC0,"%FY7PE4U+&V#_&G5\2_C M26_:H/ N/G@'(#Z85#=(N'@\O!FV5E\1 M_PC$H7[' Y:@U#Q_!&]\['KI^H MC:+A42YD&[0> 0= BYD#H0 B,F=\"1AM"&,B@(:]T0D]+J/65-=]56G5_'X^ ML2\0HEB*O6QH(!ZIMK$QKE#K<4UHMEE1(23MTWDN,D71XO%/"T@)!W_9=B63 ME<./-"AM$#N4I27RRI\+9-SG9!4/O0[TI\,,Y!=QQ\ *D0LG\U&5?O(V!-YZ M6#GP? LKDIDP2X6,+%*YTS'GRZ-8O2MINCQG*]3J30F-:L70@@'G?22%>]:KO5 M*S C[!*8XI%DK31U1X)4%*C059YMC0YA;05,-TU9 K"&D6'N)28B#O5%CJT1 M&9V[2&H)SO0D#/B5BX5,)(7KG!OI[.2/Z> DYD^G'%"$*5$]YL[T)% O^*WW M]U[K()6 \JEI+&(?$JLJ!!VQU_N"2P1N-&L@:36M>CSE9M.'EY7,$PI;8^S3#1 O:^H$-3KTI*ZG,T6O *4U1=/7[GA/.N MB LUT4'_QO%QU'-$S)*!?0K*225]DUE-:IH7O+N3@F;@]_B(/DV11^I" MNVL? Q'8/IB&&VZ+W'\S87R$K+^3_]1A]Q@/MMC.H)\W]D^G))^X??22);U@T M/=-XV"!N5?C/+N.IL12JAAOB)\%P64ZXW_ M! (2HQO#VYYAOP0^4EVW/C*">ND^1IKF9BS_Q;%Y MVGRMO?,?*??+_:?>=UPO46=8)A8@[?=3?V5VGVRG"MK5>XN5X*C M'] "O%\H9>L;VJ#YAGW[;U!+ P04 " #7=A9F#KBC,T& D$0 &0 M 'AL+W=OU+>G99W>?7'.VC/ORY->SZ4SRJ7KFI(*C$R,S:7'HYWV7&E)9F%1KGM) MOW_4RZ4JVN>GX=U'>WYJ*]1501^M<%6>2[N\)&T69^U!>_7BDYK./+_HG9^6 MX%^S)V)AO_/ N M.VOWF1!I2CTC2/R;TQ5IS4"@\;W&;*]-\L+F_0K])O@.7\;2T971? ZO,S\[: MK]HBHXFLM/]D%F^I]NG/0]PGM)+:Z#+")3< W0D/IC"SYSXK<@HVU[? ZDULV3% M(#)Y$/#WJNB*8;\CDGXR>@!ON/9T&/"&_]_3"#3:#\1E"H_^8!FJ,US=%#Z+]"\V&@/XPG<20BG+B=D9@8C1I4Q51X.=8D GM@ M"X_!L=2R2$F8B9#.$=[*(A-:R;'2RBMR(H]T,B&]F##L/+#DTD)YII6U#(T2 M4>ZD]9[FI,5 #.J[1"3UW5 ,6[?&2]TZ5 5,F\K!DGO>0L)IG?#612!QTOH@ M[3>*?.E[I? Q2.+85*3T5P]$(UV=/7B6#Y,W6'49:UV357'+=BQ3JM.@!KO6T M=?RRCVL]=>N.1]YO?#ZY#^'EZ^0>!!ZYII3R,5DQ' 1OAH_VYO71?=Z\/KJ/ MR]'Q!XN//(8;P:=8T1\/T8<.T0]OU=05 ;5]!1DU:]CHANQ3P[RLD)E$)1* MI5Z)".^:&CJ$5,R8:R;$0!5EQ9,@0 LIR.*_&=E5ZB%$5IBF(<9C==8&@_!6 MH*$VKDQ>RF(9_#Y^X]#8?XP4WT'0I>L&>Q6ZI-5+YA2<6%':Y;$72P&.([&0-EO3Z^[U(Y@4TI*04TNQ MEX@%PDWC)8-H R=!XA!QK<.!.U<:_SPF@8W178K<3)$7#C]6J;M5CH29$[]R M):5JHO@U(F>R+38B4QD2XL5,(I[\ HP+-R'K&OUF1RIC\@NB0]PZ28*D^AE\ M$'G<:(@W&K'5-4*QB48+!?J?05PWJD![4\C8N\)Y6\5 ,$=R7F%W9^<:36VR M-QM1J),UEFI@+22KQI/%+@VPRH7U^@?TX/=B];*4*O"5@C<0=J0.U$IS7?$) MYB$USE JW:QN36YFK'_!X>ZPFC+&3TF%WP8- IM\)$9H2]>;+:; MAI5-AORRY-:(O'"NZJ["/8+N0N.:&I,M%)])@K25#=KQO+R8=M 85#K&#HKG1 MHHL;&^/4:58Z.I0+ J<[IF,$H"PT+&V00;>2E:O (MT-2!H# M8A&0_*,.,3N41JMTB57,> #S4 +Y:^EK0N*;337+)2?!7(& MBMEWP(M? 6JBY>,2#1TP8WUJ!+0(*HUD0[&X%">P.\>N#>W2H8R01<49NZL@/ M^MU^L^8XB3\M$U[SDTD[Y\ ?QZ]7N*BE?2[QZV#5C+HCEH'OQX""\T5%>\U MC_-V-VKK];PM,GSZ['(*=5;KWM^TKH-1)I?9!LVGT%M[TAKPW-]UXBV2(8@=2 &K[K' M^)1\W\!4$L#!!0 (-=T"%E(9G"5T00 ",- 9 >&PO M=V]R:W-H965T,.P D'CESA)VR1 M7[<=VKNBZ6V?%9N)A=I6)LE)NU]_I.RX3I<$M|O[=%)L62(?/J1(2AZMI7K2 M*8!ASWE6Z+&;&K,\79UG$+.];%<0H$KS49R=)DHH![Q729YUE]7$ FUV/7=S<3#V*1&IKH3D9+OH IF#^7 M]PJ_N@U*(G(HM) %4S ?N^?^Z46/Y*W 5P%KW1HS\F0FY1-]?$&KD>$((/8 M$ +'UPHN(MY/HSU/Y$A!?+3-LG6U>R0>BRN-1&YK4R,LA%4;WY ;RP<32T>,&_=K3"Z>W&H2(YU4L>P]C%*M"@5N!./KSS^]9 9:]AF7O M$/HOL#R,\[LTP ;LP]MAX =GNU'98PILJ005(U-"/V%>%5B("9N],(-KES)? M\N*%E5H4"TSU!D2T0(1FL>5 !F9&EXD7"4:C2=B+F)N:W?H1UM&,3F@20[K1]54Q ^TLI(9 MBC$Y9Y\>KFT$!F>:84Z]$Y68DQ5A?T N14)DTNR@6.SC>M@1S(9D$6&M07: M^6J1G6MJ*>@I>?P1_;G]|OG(^<2U_;@RZ9'SF J5L.\E5P84,;$\>WYGX ?, MCZ*.YWG.C2P5>O]6JMZSS=NY$4J;-U)1(O4$%=@4T*FW)MMB@TZ$8KN(M:30 M];W,=HCM8-;_B?].9C^+[6+69V$G"KQ&EC9ZSH5B*YZ5=H?;N[HG0150MF%> MX.905E/VV;RN,T'+3"2OU>O@, M _^P? J5=:X4>[DL4.(_2*P5]7],OLF!]\X@\O#9'X3.K> SD5&)_1\"GM7> M"*"H1RO=G 3D"0^D21&]",Z]-@Z$>(,78+PS4R]A EJ!X%>PUU]OEGM.I1$*W M4FOV@'UD4=@3!F';2?F+Z>1LTM8>47AO;D, I@I@ZR[U>BA-Q?/N%6?'KCK; M)*NSA8KA=?2F+-B;*CF4F1]TDZIQ$]/;#SDG8I\&@ MXP_GL)I?&(K&#[;2P M7[^S$[(B02?M2^P[^WGNN8OOYENI[G4)8,AC70F]\$MCFED8ZJR$FND3V8# MDT*JFADTU3K4C0*6.U!=A32*)F'-N/"7<^>[4O26$>XG#=L#7=@? C0W"JUP8,EY#4)S*8B"8N&?Q;/SD;WO+OSD ML-4[>V(S64EY;XVK?.%'5A!4D!G+P'#9P 54E25"&0\IS^$M,#=_3/[IR^L5S4R[\U"[*^14?F2&+>=*;HFRMY'-;ERJ#HWBN+ _YA04;K#[,>?=ZAZ1OH";F6PI2:?!(YY"_Q(2H9Y-!G M.>=T+^&75IR0) H(C>AH#U\RI)R('A M"EEA(W*QGGE8;!B*[7V$#.H5(I/8>1+O'1<(D:UF(M? OO3O(6L7-$S[Z1FIN MO$-O&M"4NO7#./)<1Q_+XKC5T,'WKQ.$BBM-O0T?2U M'Q[N]%T-:NVFBZUY*TS7@H-W&&!G7=_^O=Y-OVNFUEQH4D&!T.AD.O:)ZB9* M9QC9N"Y>28,SP6U+',*@[4\+R0^B-ZP 8:QOOP#4$L#!!0 (-=T"%F3 M(%$0)08 !\/ 9 >&PO=V]R:W-H965TG@V)M$3UMR)3F!^^MO5W:, M P$ZTY=.N4R%Q7.=_R4SMSCN37J0X4Q4N;O6JT_8Y#-B?ZG.K?^$5;UV>-"#M+). M%XTQ(2BDJK_%;<-#QV 2/6$0-P:QQUT\BC?"2=.CHQ>@>'5Y(U_^%2]-8&3 MBHMRXPS|*\G.G5RH)5I'+#M[U'?DD%_WT\;XK#:.GS >PZ56;F'AO*NT@I<(: MG8>TVG.W6LATL;%T(:Q_%E.9,ZU.]ZB2:5%L'*NY$RFPA,_RRM4*8)>H@&2 M$R. <5',0*H.95$*E4N34T\ZAL2$(0S[35%?*(2W0!ACOW,?"NH*%K^ >?.W M(;=29Q0RS^\ ER*OA*-<).6\845X[ME@[Y+LI?$]DE7(:628,I>62; R0T,X MZ/64,B 0AEE3X+ HM2$=VX.+V2:'2(D4WH'G5ZP=,H\SB@6,CI[L5G\A.R.Y M@G0AS-P#0F$446#9Q&"]J#4U;Z/D3H$CX2):D+RW#D)V>I]RM$]-J,JLZ3*_QT]VV,%KPXTLO:[6Q!0H;&70/@AOF\(IVEH$ MM1N]\(X(N27@)4\W@S3*OOAGH.LU"6X:<:TFP:>ZJ#:7=0/5S.O9 ZB;J:W+3M0LT%=(9/]6:T"4,"]NLVK8\4 5MX;&6BLC%2-$XP=_2I%5!=: 9L/>S5 A%N|ZZ3F+%]@2,P%,G,RO+.IQOH=F, MV'XN TO-:|992AH=$B*2M9\+H.*?4Y?-:P"=)N2HW%(TK_\A#P>\?C6)X^@M MS2<][.;:VC?,.6W9W]!YDA^W$++=B%\OV1O.I9-KKRT(L*?A+/><=-Q;DL01M MW$/F@T;6N_%]!:D_&IIF.J?#![%Q&'S6J>\.SO1,Y%P3N.'=,[BLNY@=!+0/ M8;L/!>^HJL64VB 9^#=)L.MG35>6\-DWP;68"GYI6&@:98K #R7#(GP?CX#0G1I3@.\M&:ER>0?R6QLV1#;O8M8C@Q7YP M +_Y?J4HQ@]&/79?-AF#'8C#>#2A[\;;2]$JU8FW-<0YCV,<#D81).$D&@1? MM:,FEBK-JZQN++W-;@>&X3!B*+79U?4%?*B(S)NJ+*DQ/CMJW3JBTFK3>%WY M6MB#G2")F;UU3N=75_"1AL /=E$I7GJC\@<;_B#>'U$/),&USC98'OX@ MGC6.01B/)S[7S\=0OSP053A(1C1!S<]IM_%\JC+EC\6ND M66|LT+^T)X)N!]!_=!?V9X?%IJ-T.>6NZ5Q(0G5*LD(\VMI$C>QC2ZT<'0=+-8'%-ZZO%@U2B#A+8#\?#I$9R M,-AV%.YW+BT%TDF'KV8LW73PJ^\O[=OV]G=:7WKNE]=71Q):(L-"CC,RC?;V M1STP]76L?G"Z]%>@J79TH?(_%U1G-+R _II&K?F@0.T=^*3_P%02P,$% M @ UW0(6??S.O7I P &0D !D !X;"]W;W)K&ULK59M;]LX#/[N7T%XQ= !06S+<>*T28 TVWH;MEW1W=T^*S83"[.EG*0T M[?WZ4;*3-EL;' [W1=8+^? A*9&>[)3^;BI$"_=-+4KU;3J2].[M6JMR)N@8N2_C=5JCA@[1:;$_SBIT$_+B5? 4CC'K"8#4[@I0>W4X^7 M_L]NMZB#YU'= [HP&U[@-*078E#?83A[_2H9QIGT\SY].H7Y1% M2.+7KW*6L,M_8R/XHT*PW&TLW:.FMUDH68@:#9 &%!7) (PC9KKC6#T*N@3=[M*RVH%:SW1JBF>)D-:J%*6&G5P$*KJ_>S%@O>$P;L7!I1/A7A,!?>IN B^^;)#'.=WJ*F*PKQ1VHI_6K0;']C@6BMC8+'/ MQ-QG(I@7Q;;9UMQK/]$*OE OZ-S[.:K'KMZ0KG/ 71:K>4G](G])D.3]!!Z0 M:T/.I[TL<4$X3WJ#/($W-&6]F(V#A2]NY)7&VMLUE=B88-R/@Z27Q'%PGJ<9 MR;-A%GP2!?4!2G42T_%@- [.&6/N,!MUZ3\+LEZ^*1LHW*UL.]=A M]]#WYVV[>Q1O?QH^<[T6TD"-*U*-^Z,L!-TVXG9AU<8WOZ6RE#8_K>C?!;43 MH/.5HOK7+9R!P]_0[=02P,$% @ UW0(64*+"D&ULM55M;]L,P$/Z>7V&%"8$4+>]M,]I* M:P<"Q&#:>/GL)M?&FF,'VUG7?\\Y2;,.MDI(\"4^G^">>^Z<.T^W4MWJ$L"0 M^XH+/7-+8^HSW]=Y"175I|(&@2=KJ2I[<*LVOJX5T*)UJK@?!<'(KR@3[GS: MZJ[4?"H;PYF *T5T4U54[1; Y7;FANY><6LW'XJ9&UA"P"$W%H'B<@=+ MX-P" (8V?/:8[A+2.A_(>_5V;.^:RHAJ6DO]@A2EG[L0E!:QIP\VUW+Z'/I_4 MXN62Z_9+MIUM,G9)WF@CJ]X9&51,="N][^MPX#)GG&(>H>HY=T%:EE>4$/G M4R6W1%XEI+-"FVKKC>28L)=R8Q2>,O0S\,_\5PT4Y.T]7K,&3:@HR!=3@B++ M1BD0AGQB=,4X,PSTU#<8TWKZ>8^_Z/"C9_!'Y%(*4VKR5A10//;WD>M .-H3 M7D1' 3\VXI3$@4>B($J.X,5# >(6+_YO!>CPDZ?Q;5.=Z9KF,'.Q:S2H.W#G M+U^$H^#-$?;)P#XYAOX/V!,'_RP-D# D^SBPCY-+[$MM4"77!..1M>38X$QL MSAR\ (ABNR+F '*H5$HK#5A,[KYA %]EH)*M?.]<@8$M7' @*:K-S3IPH\,99 MC +ZC$:1L\]A1XSLNP*4QJ' J:6 REK)2MH^[TJ@P&#NMNV9R*UT![H9>V&: M.9F7(/05W2EDW!I#57.Y R K)+!FAD1>$(4D]8(L=;IBTM_R=U(O#E,G]L(X M<[Y*0_F?)L@^]:+)!(4D\^))UF/E_<7PAXOYVY(ML:<4#K1'&!C&"X(QKJF7 M3B)G_P.44&$@T*D641";QR.!AL..-D>V823% EE@T5.:UM%K*=N%,6B#M8[M$H\2$B9QEYJV0B].Q_A-XZ"OC7PV\1-GY*5!BFN&MO]>:@G_8+KAM6_:&6[_ MP$:8;M -VN&9..^FXX-Y\]9<4K7!!##=-;H&I^/4):J;V]W&R+J=E2MI\!]K MQ1*?.E#6 ,_7$ANBW]@ P^,Y_P502P,$% @ UW0(6??:CU'F! & P M !D !X;"]W;W)K&ULE5=M<]LV#/ZN7X%3<[WV MSK7UXCANFO@N2=?;=FW32];M,RU#%E>*U$@J3O;K!U"RZKS47;XX$D7@>0 \ M()&3C;'?7(7HX;96VIW&E??-\63BB@IKX<:F04U?2F-KX>G5KB>NL2A6P:A6 MDRQ)9I-:2!TO3L+:%[LX,:U74N,7"ZZM:V'OSE&9S6F- M6..U^J_-%TMOD\'+2M:HG30:+):G\5EZ?# [E_6'#GQ(W;N<9.)*E,=_XY;?5 M:9PP(518>/8@Z,\-7J!2[(AH_-/[C =(-MQ]WGK_$&*G6);"X851?\F5KT[C M>0PK+$6K_)79_(I]/(?LKS#*A5_8=!O3/(:B== [4O3$QJ*7N_HK;/@\[!O/D M!P99;Y %WAU08/E>>+$XL68#EG>3-WX(H09K(BODAGR;L]K*8#J^D^ M[WM8[;?[;#Q"FD5_5 @7IFZ$O@/IP-.K0N<0H:4Z6*!FM<)+O:9E0@*QMHC4 M0]Y!8R6UG51W0*T,IBQE@1 B!:EA96IT7A8@](HWD)HU*%,([AT'FPHM[?-0 M";<%X?5^-SBCA*5NN*$N;QB/X,S?U'ED*GW5LR$[:58.\+:1EDDNT6\0=:@Y M_1QFL!O@"CU:TCPZD"4(*$AQEMJ8(Q?; .E-%]@PG3&$,^6-*=|\I4^OXJO+ MK_%K$)0?XB$X %VHEO2ZS1;ESVZ_4Q(XG01"PYEU)L91*>HD/@ FE0|TZVMW)GK31#S&D>\)^QRZB.(1PB0XQ(2(4@G'[?+KJL M&R4+R3*!VM J09G6=AC!MS:TE>XS;HTM1[%40RP#:D1G% YG5/0>*? EE2)/ MPTH>O0H:,JVC*KC7H2QG75D.HG0TS^9P -DHS>?1Q6,9[:E:E,X/"?=M]/FQ M.'YF.3J:YI".WA[2X6$X"*;R-IM'3"6;I7#FX5Y/H6M[>NT,&%E%_&E!"+QBX$;([9$1MV]"' MG6;@@M>$U79%XG0\@CZ&!X6Y'&@.D1$Q:^]= ,*XT#$_(%8)_^;I;JN9I:>A MYSL-O"TJH=<8N#ZNQ.7]W+#:ER_F69J]8U7D1T_#A2?$_>:|SB2%>E^0#^6' M/)0%Z[+;0*4_RCB]AU&>S/AA1M8I/QQ!OS(G.8=[AEJBI&9@E4S33CM/]V>4 MCV8DZ8]T#W&WM3ZD3I.M!UE^:]-;[=+I5Y56G.+HA:/##'X;_X>OH(!EG-!,I M%<8[DM\!).-\6/$5W7UAW9'4ZDY$>]JG>"?C? D_/>',=AN#NU>O&G"[+6-]#WTM!@T;\PP/#/P.(_4$L#!!0 (-=T"%FL2S-A=@8 M #80 9 >&PO=V]R:W-H965T+%M@71R1G MAG-\CL8F'2-A3!]56%))TNE"V%IJ5<#4VD4 MF6,J\D$W-]<:9JF\L2YQI,711";R\Q5YOS7M1K-V[D:FUY M8W!Q5HD5WJ+]JYIK6@TZ*9DLL#12E:!Q>=Z;16\OATSO"/Z6N#$[W\"6+)2Z MX\7'[+P7LD*88VI9@J _]WB%>=R4S[GZWTM\[V\F6A3!XI?+O M,K/K\]ZT!QDN19W;&[7Y@(T](Y:7]MRX7]AXVBCI05H;JXJ&F30H9.G_BH?& M#SL,T_G#'"#$#N]_45.RVMAQ<695AO03$W2^,.9ZKA).5ER4&ZMIE-)?/;B MW8]:VNW9P)(LWAFD#=^EYXM_PC>&SZJT:P/OR@RS??X!Z= I$K>*7,8O"OQ4 MEWU(P@#B,!Z^(" I#$N^Q=O'X5C9"8P:"A%5"9K#8.N(K M552BW (EE23Q5[DP!F:.S']?0JJ*@HX)OND=9+5V%Q.KD0] D<8NTD?7[A;A M4I00C$>/^J.&VS5I<#1;K32NZ/#1N%FAZM(>W6"J=.89&WO]XCTN--FTA:F_ M!XXA[(>344@?<1#%$704<:/*SD[#=/19T*(Y;=CC($PB< PO\NK-BU\ ]0X0##&M^W%K3J<:H_'7%DO$TF(RF M_X>"H.Y%B)9ZU&V/"/=QWCXVG^)-"'F7VB[["?P,P%:7_?T=L&50'%WE3HFF). MJXVT:P)(J@BKU.:DXS].HOZT"SXK0-D3]R>,Q2Y;)DY\3#])PAYUUS"MVWW_M6'@2;80G*-4.L.;4EE&S@WV*T"1A+(DC$0&(/ ?-C? 80Z5KEY'0# M:W%//D--[9(0) ,+1!X_M+,>\#^\>4*?2IXO7[ZLSQ[#E.R6%W!W%XR":C&%X$HR3&";C8#0<,IDO'N2D M>#0.IM$43@A(X0E$HVD0T=]G ?TNM!9=@URI2>U16P:+J/ M7$/^81$?U(9+QFT?/JE2F(9H+21-.>/ZZFK0"Y@C JX6>-=E;B@'*@=;;]Z>E3NP) HF\&#,Z)>&)E)&BSP0$(X$+;]M9K#4JN"*@]K2XP%D>8^D&_F/6NT(HG[L,?WFTE%SF.@MX >%KA7Z1AT]_XDB MF.>"K>'IQVUR$Z3AP=!-*<[\BK:>U6 5!MRM46^3/;@SDAV="<[SRV MCQL.82=.W N9N_GJL?Z[NUD)FMIE41=0UL7"YT@3HV:@R[]NO.+0,('@1#5/ MA3UOQH=J0=I[:0M1VRH8F#0A96Y*(LL[@4\B%8/=*G4=F=M:-0B3^S/,;'_ M>2(@:8Y.PB ,P\=Z]Y_ 8DRAT91'MF&G;7L=F4ID>N2(J-6)0VOF4?S MFX6#2+H+$6YD[-J<6P!;N]-'7$AKAS_]A]H::CZ;G+!<%]5S%W+F$T"[Z@^U?!Q;]02P,$% @ UW0(6;)6(9M! MQ0D !D !X;"]W;W)K&ULK59M;R(W$/Z^OV+$ MG4Y$HH'=)4 20$I(3DV52Z,CO:H?S>X UGEMSO:&T%_?&>\NQ[4):J5^P'CM MF6>>>;,]WAK[U:T1/;P42KM):^W]YJ+;==D:"^%.S08U[2R-+82G3[QNHU% MD0>E0G637F_0+834K>DXK#W:Z=B47DF-CQ9<613"[]Y1F>VD%;>:A<]RM?:\ MT)V.-V*%<_2_;1XM?7W*+DL4#MI-%A<3EI7\<5UG^6#P!>)6W$T*%F6<$07_/.$.E&(AH?*LQ6WN3K'@X;]_!M,)EX5P.#/[=YG[M]:0U:D&.2U$J_]EL? \;:GS/&RXQR881M)9N!)<#=I$3FI.RMQ;VI6DYZ=?A)5B MH1#NM$>+SL.M]M+OQEU/Z"S3S6JDZPHI>0-I)^,]FM' #GF/^IWB=6>6M)0 MNTZ. OY2ZE-(>QU(>DG_"%ZZ=$4->.G_X&]%U'\=B1OEPFU$AL.6=8)#^XRM MZ8=W\:!W>81G?\^S?PS]/_$\CO1@(/$+<__!NE,3)Y5NXT4QZ^2?2U&IQPUY4BC=G#3Z'T4IPF-MPQ3>0WPVHK$=G\-)=+=5WH:'?/N!_ ALA@\L'CG386\)])S$$Y)A!AS%C#@D3 MYN&0IK+(@3@L*F)93@F%:WA2A,J?T_8KJEZ!P&:!^-X/,-9E@LT$(:=UYU M^\HY]"Z:";?N0$8CX+=2/@N%;(L3QDFF,F.3O$_DT_,!CGJ53RLK:HOBL0R-GH MG,9!'$ZIZ,^AWJ01[/T^CA+=AVOQ.G(\HK39(1)[BBJ_XMK[\| MQ(U7^SI=S$))*D:Z(86(O,PLYM*S]$&]AR-P M>.F.6GSM[.X>7*UT/*W" X*.*RZPZI;=K^[?*%?5U?Q=O'K@?!)V)2DH"I>D MVCL=TI/ 5H^&ZL.;3;BH%\;361BF:WIGH64!VE\:.L_K#S:P?[E-_P)02P,$ M% @ UW0(66%S:^9L @ @P4 !D !X;"]W;W)K&ULG53O;]HP$/W.7W'*U.W+1$("M& (0J72;UDF=*MIMGTUR(5;](-- MH?_]SD[(Z-0R:5]BW_G>\SN.Y_E.FP=;(SK82Z'L(JJ=:V9Q;(L:);-#W:"B MDTH;R1R%9A/;QB K TB*.$V2:2P95U$^#[E;D_UU@FN\-:

W4K)S-,2A=XM MHE%T2*SXIG8^$>?SAFWP#MWWYM90%/H+-<*#%:+Z'(T6XY]?2CXP7%G MC_;@.UEK_>"#ZW(1)5X0"BR<9V"T/.(5"N&)2,:OCC/JK_3
X_V!_7/HG7I9 M,XM76OSDI:L7T44$)59L*]Q*[[Y@U_$\Q5:V/"%75L[RB(HMM9IV8%)@>2J M7=F^^QV. !?)*X"T Z1!=WM14/F1.9;/C=Z!\=7$YC>AU8
F<5SYH=PY0Z>< M<"Z_5H66"/=LCW8>.V+T^;CHT,L6G;Z"GL*-5JZV\$F56#['QZ2DEY,>Y"S3 MDX1?MVH(6?
(>TB0=G^#+^O:RP)?]9WLM>OPRVAMB9AM6X"*B?[Q%\XA1_O;- M:)I\.*%MW&L;GV+_I[;3Z&_:(8PF@_L:H=*"S,75!AQ;"X3&Z$=>H@5V,!OH
M"JZT;)AZ>F&V$@MZARSA_+TO320^,H9$LPGVMU#HK7*M1_IL_\):9I8%_@+^G&ULI59M;]LV$/ZN7W%0@6(#G$0!=TVV=:.EM<*%(C
MJ3CY][NC;,5>';? OD@Z\N[A/?5D#I>S,+:G5W,3..5U'AGP355)>SS M$I79SN-^O%_X(C>EYX5D,:O%!N_1?ZOO+$E)AU+("K631H/%]3Q^W[]:#ED_
M*/PI<>L.OH&9K(QY8.'W8AZG[!]S#TC"'H]X@TJQ4#DQC\[S+@[D@T/O_?H M'P-WXK(2#F^,^DL6OIS'TQ@*7(M&^2]F^QON^(P8+S?*A2=L6]W^NQCRQGE3
M[8S)@TKJ]BV>=G$X,)BFKQAD.X,L^-T>%+S\(+Q8S*S9@F5M0N./0#58DW-2 M"W1ETH!'CO-#!T:*Q_&)<4==*YL$](BA-<0D?I K4?
L!IO&E:L::5[8"":NFN4OB%/B6F(MZ/YB70VVEPZ9*6;$&]^]I%AQ MZH@JS;E]C&J>?0X:MP^/9W<:.^[Q3]-?INA!HQ52=ED#UVOV@FDT>=DQ"'0$
MG7.Q/^,2OA[D\>+5/#;N);BY4'FC1)C(I-$&EZD5K^?HOR5W4$RAV"?7[F3= MY<1<.M\5X-HH^@<1^%7TM;2(1V,+:.A@&#KW\NGT3L3CB!^#,)CX,8A^"<1,
MXXB$^Q6.Q5W'_3!$43;NC<;OHFS4FZ13(&DR3H&D47\$DNYE3P7J*[MBCX;??%(!46.'M35#3<-+(_B$@W'PV@T&L&HG\$HG4;W1S7"6=@*:RG'#O93
M9#3M/H?OHGTC_02A22\=#)C7(.L#2=DD8UI9 #?M*0B)IB=V_0316N[9FBT M!*ZM%TX2N^4H56;$CQ.UCX;&;3C;[O$,:FFN>I@=:+MO[T\=0X<7 H:LME
M30]MP)"5)6\HLM1W'!IJ>^[B M;65&U1APG2%?694J9^IF7JJEU)MA3/TFOK M[-0_)CGX[5=H-^%RPV7?:-_> +K5[0[TOKTVO*BWEZ]/PFZ((RAK7/P+4$L#!!0 (M
-=T"%DML$O;C04)X, 9 >&PO=V]R:W-H965TELYL97PM+2+D:LMBC(856HTSK*]426D3DZ/@^S:GAZ;QBNI\=[":ZI*V,=S M5&9]DN3)1G C%TO/@M'I<2T6>
(O^M_K:TFK4H92R0NVDT6!Q?I*LH^YX/X&B<=Y4 MK3%Y4$D=?\5#RT//X"![P6#<&HR#WW&CX.6E\.+TV)HU6-8F-'X)H09K"#+K')/_)=B(M?I\ M%C?
+H:M%@2<)=8-#N\+D]-V;?"\]>L73W<[3W=?0_Z.GKV-],1XAWW_WYF"< MCX]>1H:O&KZ8%58SM# .I$]@F@VS+(,\S>"LME(14$P':U]B$;6C+*,"58I[
MS1NH&ULLJ5W +07Q V8.%THX!^=0F*HB):KMXI[E-V(N4,%'HTJI%VX(5[I(M82>)\N1]VFH,01#L3,E"/?[DK: B8ZQ:Z,IX;.@6"C"_" E+]?"EG";
MPB>CR8!P_1+APP,6#0\8N%@*2>."!HXNGQ:T#ZN=&S:FQ:6T-)>,=4\$I#VJ MHN1'ISQG;^F7! _X@+:0Q#%EID"V>PLUQ\(B,MJ!E\'Q#H?
HF#=*L6VD99('ZWR3_)32US%&%>1[MF(Y2#/G/T^$TRR%+)U&#QFO0\DN+&&AS\B%ZMFG^J$CS3U9"L0^%T;H=[($- MMI=ZA<[3B>%3.//?
73>]6,L#=&MC7]BTLF%EG-94*R$-U<-:F9VA=%%.@RM M\($["W.IA2XD.50;*DJ)6\GL[\.5%6M//5(6_EE_%;6AI$IGAWNU"%V1/+P
MEA]1!U"W?:5Z":UYP"'E>=B!>LPN,* ##R&J T?E8%:2NV/V&*O;]+,P!$V' M?5N0?7M>/XO13R%A$22UHF7""]6P#B6D=?J6SE>B9P@+U$25"ND4)6?.>0YP
MA6U07(9TN#-*](1&$-%8AMYUGGXXDX'2EG522 =WH4CZ!\U3HF^I;)[],N 2 M&(0:ZJIIL!,V-HTC%]U[V%X.SBK34 TP?9&CLD_#X.U@DNWR,\^HZ:8$_!;V
M)KL;LSYC&W.""@;!EM7W^1'3.#>*KD=<5U[,%#7#;:FY%6^G_%S;QK$FP%(HG$6'_V2 M-C-/5SZ>!ZZQP;VN"8*EPU7(_]/WF37W:&F\&W(QY&*
[0Z^Z]@U3YLS+DNB9 M\#BYQ=]WYQ(-X>$6O:5D,^3ELHD_C95TK'&02!3Z#NC2RE"8*LO4Y;B ^5% M+S!4OH#)?CK](@>1/9H(KDDJV".U>;NS; X%-'6Z@
M,^/I/AM>E_0(!%I6H.]S0U>4=L$;=/^2G/X-4$L#!!0 (-=T"%FKGMHR MO08 "<1 9 >&PO=V]R:W-H965TIB)6JN)VHM&GQ9J+;F M!J_M"E$ZJK:>#[R;3FLAE?
7;BYN_;J0G6FDHVX:TEW=9+,1/FM_5=B[?IH*64M6BT5 VU8G$Y_H6=7T=VO5OP MNQ0;O3C^""JRBH"C']O=8X'DU9P?[S3 M_LGY#E_F7(L/JOI#EF9U.<[&5(H%
[RISKS9_$UM_8JNO4)5V_VG3KPWM>$=-!+9O^R9^V/.P)9X/L!(*M0.!P]X8=7!4X=^[9D*A[U'@!]$1?>'@;NCTA?\GA=WMM MT?
>UV8(YUVM>B,LQ*D*+]E&,KW[^B27^^R-8HP%K=$S[F[$>U_9/902Q:/2P M$O1!U6O>/-.*;S(;A>):J];P>25HOC.J>Z/ZG'Z]OR'>E/2K:*2@>]&(C5V] M)^Z+VC3:?
4:?:+D1FNYO[K1'LBFJKI3-DFX_/B ?1+M\]B"M96G5#C,/LQN/ M9F@7*]$V]$F4T%(YA9]ER^?2] G=&]=U 78R#3>=E5]: MSZQCO3FY5:EK#]'!Q[Z^1*N!E@"
;K@V%D9OOMR(_O6W1AI1TLPX_^S'!_'$ M+0&.D@^J!7_X1H721F]=%]0UL*8*;F4+4(Y6YH+GX;W1:!N6G8408*L22T#L MQP.\4CRB::Y=[,63%=]:5Y8L*-F:?
=>*RAE9(C8[!GB);B&UP0*TO4%^LH>V M5-#7*+.5PXQ-BA96F\X":53;KY'&^M2U[KOUD=1B6#>AO93Z^:8V&OX7'T^7^E12+/0.E M**3=F-
[5_(MH>_.*%37N,]K52$IQ0[H54WP6L(:#<^(K>K5*SDM%FI2AS0 M3>*15YW+2KL:Z%R': IA%4C8>^FWW<-*T"BQ"4MXCJT1P07A=%HIK<]HT:IZ
MYRGRU!D$:HN\4:3ELI$+67 D)=?/->*#^K-)U^>Z%;%QVMF;C/[U(BH Z?"^ M!/>-VQMGV I ^4:?CTY=H:L(S7TV0@-:/1M6QH-"3YZ4(97Z'BM$ <;$V%;
M$<.V,KK?9C*=4)9X*31YE.XQ%83@-*X^0-+,5> MF.1T&J61!<> R7<\9>#I+?%*\^Q%O# WFLFG/Y?5(Y;G'LLLU0QD^>R ZP"I M&6;1*V0'&7#
[EF,_=&0G(#\X@RG]?(5K%C/D:_0UVUC\8[X&V(#)LX=/E1/R6$:;$! MCT M#8QG7AR%=)!%K&<\A)XS2N#>VQB'7>:_X-S-'F?](+9SCP6Q1BE7IQ'!Z2S
M/$/2YZ^0'D8@W1::%P5Q3SH+TIUX>AF^D/4210:0=LWTKQU:@Q?^P?_RU[6// M\OGHL,9.1DA0+X]\C&RPD-S["Z^&P[I.UTI4[]8BB,6SI?8<#M1[F<3/OVC
MJQ5]PN7 90O^W,0,YQ(1X.)I5L272QR*K)U&&+*W:;)'#'>>.&%LN26E6[MA#L)_$GR=<8]?C%][]_!<&1PQW7 E.*X<=@&^+Q1N2=L7 M:V#X;>3JOU!+ P04 "
#7= A93F_K1+P("-%@ &0 'AL+W=O#$NI"Z' MUY<\MK;7EZ;VN2[5V@I7%X6TQUN5F\/5<#)L!^[T:N]I8'QI6]_\'I7: MXFW<29WU\-ET.1J:VL
M:W/%_<0AKI_%0I+7SIF@V T&AR_K/S=VZ&U8/K6%7>#7"Z)*>\]Q:S&OO\|)F3XNCE+EPE4S5U1 YX92[5\/K M[[^;+.+7+X"==6!G+TG_U\&^+.XWXY68G(M?
U$[F8FU-JE0&>4[\7HKWJO*[MV"@KDG.V]C02?]_$C??&ENHH?E:ELMAGMCS^WDM(P\N['.<8[<16YRH34J2F MJ'+0@1=RAQ_GO9UR.F,MWD+&
[BATR3)6VJ:U]M"KMIYDK9"]]%;Z8|0)CL1J M+\M4V:-XH^\UT<%(+"=S,8_G8L)/L\D43RSBU3P>Q9!N:B>0MWR.WUNEV(). M?^[0-&"^_VZ93,Y>.
[&SQCD0S;TJ:P5UK"F$DSD> ;?3\["L$J^6HP39B#$B M%LA]E<2CLW8D@A!7*>:;_ #AZ!D;T]P*13KR:Q*/9(R SJ{\D$/&!3 [GR/((M"CD&P1X4*[P)OQL%=M[\
SMH*.@*<$7MY#P-#.:^LQK3,[A6A4MLM'3!E7WYG;Q@)'.Y(-HJ=E50N M$'6I='NQ1=7"C$5TEP!,0E-39MIS%-ZI+1(&!W-JS06+3%[?I))JQ"G+8:_< M4,X> ^?%.
[>I<(J>.)OQXTV-?G)K"JE3!B10!$&V1_H3)JD\($"!'<<9,*-$4 M"7AM;=#$3U5O_(6F,4Y!HC%AAPD=@;6*HENH*5]P(D%N3P(10>D MBN:1V8&$L R+D/9 K4L
]'H7["=J5 !4?]!$W4KIR>3N0L'*9)-335T% [,[M@Z>?5'ET$LV(+(H34'"FX>?#7K%")P$#@\ BR!OD!J)',N841%6PX!/M4M]: MIA75A]A"[JE32>L)
(0N'"$7^@'RGO,!58/"-P@D4GNRG/)PM%/N%S-1(_[G M]"E_7=MTCX[C9+"O]AY*;&M?0VK5KDU[:XD.Q606C^8"=51U=51,DL5H^FA, M0DI(M.!.9&HE-0B=PBNG-
+@8_,#I"FJ%"=R/@SM%;1^Y&2>1D,&KP=DBFDZF M [S-!_-IM)C-Z7DQ.(] U_1X)B91G,2##\0)<@M3#9JT&7PP%'F5/#)\" /V M:+:Z7':-*U-
,K+"^>C\E"C%G9)JU,0Y5G5/>V'4HB?2_Q;LLQG|=P*]K\O_OE7[#Y] MR>[SQY5R_E H__]FGSX''&5T>HI[DO0T^:|"O^LD->W2*D@2/[^]%07N!,)L
M/!*/>BUE^0EE*R7>WE%%%K*@%HI TJ["(B(ZZK*FYK_!52'XIV&_@(%/92T M@JZ$@>:(?U5'*0^[*V,]N$$;HODR0P%W;5] O!\$'O8ZW0-(4UL54S=7_$XL
M=R/@FP(G;HZ-=BB+5]HT-"(H_O=HH(2B_]1,\&C?+[MY*I2[+2CLW8D@A!7*>:;_ #AZ!D;TJP*13KR:Q*/9(R SJ{\D$/&!3 [GR/((M"CD&P1X4*[P)OQL%=M[\SMH*.@*<$7MY#P-#.:^LQK3,[A6A4MLM'3!E7WYG;Q@)'.Y(-HJ=E50N M$'6I='NQ1=7"C$5TEP!,0E-39MIS%-ZI+1(&!W-JS06+3%[?I))JQ"G+8:_< M4,X> ^?%.
[>I<(J>.)OQXTV-?G)K"JE3!B10!$&V1_H3)JD\($"!'<<9,*-$4 M"7AM;=#$3U5O_(6F,4Y!HC%AAPD=@;6*HENH*5]P(D%N3P(10>D MBN:1V8&$L R+D/9 K4L
]'H7["=J5 !4?]!$W4KIR>3N0L'*9)-335T% [,[M@Z>?5'ET$LV(+(H34'"FX>?#7K%")P$#@\ BR!OD!J)',N841%6PX!/M4M]: MIA75A]A"[JE32>L)
(0N'"$7^@'RGO,!58/"-P@D4GNRG/)PM%/N%S-1(_[G M]"E_7=MTCX[C9+"O]AY*;&M?0VK5KDU[:XD.Q606C^8"=51U=51,DL5H^FA, M0DI(M.!.9&HE-0B=PBNG-
+@8_,#I"FJ%"=R/@SM%;1^Y&2>1D,&KP=DBFDZF M [S-!_-IM)C-Z7DQ.(] U_1X)B91G,2##\0)<@M3#9JT&7PP%'F5/#)\" /V M:+:Z7':-*U-
,K+"^>C\E"C%G9)JU,0Y5G5/>V'4HB?2_Q;LLQG|=P*]K\O_OE7[#Y] MR>[SQY5R_E H__]FGSX''&5T>HI[DO0T^:|"O^LD->W2*D@2/[^]%07N!,)L
M/!*/>BUE^0EE*R7>WE%%%K*@%HI TJ["(B(ZZK*FYK_!52'XIV&_@(%/92T M@JZ$@>:(?U5'*0^[*V,]N$$;HODR0P%W;5] O!\$'O8ZW0-(4UL54S=7_$XL
M=R/@FP(G;HZ-=BB+5]HT-"(H_O=HH(2B_]1,\&C?+[MY*I2[+2CLW8D@A!7*>:;_ #AZ!D;TJP*13KR:Q*/9(R SJ{\D$/&!3 [GR/((M"CD&P1X4*[P)OQL%=M[\

*@_+V]J.O+Q#TTFTXKD&@4M2)&PO=V|R:W-H965T*F MBWW:%XF7F>&9X9S1:+H5\H?* #2YSWFA9FZF]?IX.%1Q!CE5!V(-!>ZD0N94 MXU2NAFHM@296*>?*
#P//&PYRRPIU/[=J-G$]%J3DKX$825>8YE0^GP,5VYOIN MLW#+5IDV"\/Y=$U7L #]=7TC<39LK20LAT(Q41)Z"GQCL%6= M,3&>+(7X829?DIGK&4# (=;& L77!LZ 6Z&SF'KHD@9267-^*[6>H_8F,O5AP99]D6\MZ+HE+I45>*R."G!75 MF]|[7<7B+0E K!!9W=9!%>4XUG4^EV!)II-&:&5A7K3:"8X6YE(66N,M03_/ M0;(--9$A7PJE98D!UXKLW=$E!{4_'6H\Q(@.X]K@:64P>,7@F%R+0F>*7!0) M)$_UAPBN11@T"$^#G0;_+(L#$GH#$GC!:(>]L/4XM/;"W_*XS]'*SJC?CF'+ ML5K3&&8NTD&!W([__#6.'WL?=Z _&' M(L@MI6F1L&)%8"BBV|IFZFT*E5Q/ M_-C?;CSR96GL1IB-&[:$&9CO5 /"5=BS%+P&H;D41,%BXE_%%!.!C7TP-WYEOW6U8ZU MS)F&:UG|Y(4D)W[]DP(6K*WHUQ_@4T]0\N7RT]|+UEWL73HD|S51M8;,"JH MN>A&K|YAQU > H!L =;]J1$|E#3,LKRNY)LI&(YN=N%(=&L5Q87_*S"@| MY8@SV3=3@B)76H/1Y/B)S2O0)^/0(+4-"/,-S;2CH1_0G)-[*4RIR6=10/$W M/D1)O2ZZU36E>PF_MN*,)%% :$0'>_B2OL[$\27_4>=[Y77HP?MHZXP+W: < M)CX^?0UJ!7YV=!"21Y=[M UZ;8-]I-D,G5:T%!Y(/_2N9\):PWZ6_-N((=Z MCG1)['82IY@+8DK9:B8*?>+-(&\5-V_XC!NIN?$.O5%4^K&3\/(K1($Y2[TZL0!LT+KXHS A@]%[?R[<<5(-:NGZ MA48QK3"=J?K=OB5==4[\$][ULWNFEEQH4L$"H='9"#N ZGI$MS"R<;Z<2X,N M=],2VRHH&X#G"RG-=F$3(TZ^PU02P,$% @ UW0(661QK_8*! [@D M !D !X;"]W;W)K&ULI59;3^,X%'[/KSC*H!%(M%N M|F"M|)U9(ŒIX*
(0T0W]I[>]LVS79$@MFCM4*)>W,E2Z8I:E>=,U*(\LKH4)T MHR#H=0O&I3\:5&L3/1]HT@HN<:+!E$7!],,8A5H/_=#?+-SPQ=*ZA>YHL&(+MG*+]:S71-,NV*#DO4!JN)&B<&#_WS\&R#Z;#V>(/^]:*=;)DQ@Q=*_,-SNQSZ?1R MG+-2V!NU_H*-/17!3 E3?6'=G U\R$IC5=$(§X."R_K/'AH_O$4@:@2BBG>M MJ&)YR2P;#;1:@W:G"/&K9@*7|\/%GR>TC7*-=JASJ/40#/\YGQFI*E']WN:#6D.S6 MX(KGS*Q8AD.?JL.@OD=_]/Y=V L^[.&?M/R3?>BC78SKH/VH@@:W^&!A+%1V MMY/[?O1O*F-5C9!OQDPPF2%,74IYU\A,J=&[\B@FV,;$N\0,BQEJB,-J)?8. M29KHE8;)W!QY-VS.4, 7)7(N%P8Z1#L[AFNF[]!6G+$VRF!6:FXY&N_/4EG, M*;_=&5AIGJ%W '&2N.]ISSL7%K5DKI")ZR\GO'_7C\+H _G=DHR#.#2()W0 M(#R%/^R2B)(6[1* &8,D\QV;(=PS42(<0-2)TC[]&[37M)5R2]I.%1?*6$(- MTP#B3C\(O5MEF2"L3)14)\[=:I?< 22=)'!4:K)S15*LF9TW*U$H_PS>;' MC4:IY%-AKTF5HDH5[\"+(^>[C4T7DPE\1LF1R!5%*=W1J1),OX0'3_ @.DDI M!V+O1N5/O)R\D<^&1]B)>OW?B^=SJFU(31/3TSC]C6@^5] $- X""#M!G+P8 MT.>B52SCI$JS7I#NZ0EIVQ/2O54[I0LZ+ZF.U!RFK/E;Z@ PHYB6,\-S3O4U,A M. I'@P=Q+X4P|LAJBO.L=!W/.TS[$1RU6"T?E/DV$SCI])*X9G(:[@I>=^L. M+E OJI>&@4R5TM;7<;O:/F;.ZSO\U_'Z)40MDIQA0."<1((C$W*|KE\7|<2]
M576CSY2E|T$U7-*###+4[0/MS18723)R"]HDW^A]02P,$% @ UW0(68E? M0B]L P [< !D !X;"]W;W)K&ULI55MC]HX M$/Z>7V&E]XJ5$$D< F$+2$#;O5;7.\3VKI]-,A"KBEE"*8|S/_)/"QN^ M+XQ=",;3)O#$Y@_#FN%LZ!CR7D%0G,IB(=+S%|$#\0$VCN#/SD<|=F8V$BV M4GZWDT_YS ^M("@A,Y:!X>\95E"6E@#AE_-5R^1U+"SP?G]@_NM@QEBW3L)+E M-YZ;8N:G/LEAQ^K2;.3Q%VCC<0(S66KW)*XL$5Y,@IW.>+,_%'* M_,C+DC"1D]!- 8I\$H:)/=^60!9:@|&D]Y7A3-|/ X,N+3#(6OIE0T|?H1^1M+U*80L/(H?!\$A^@U$XO/>E=TIN$GVLQ("8)S2DPQM\<1=_[/CB_Q'_M; ; MUN%U5GN3'O2!93#S\:IH4,_@S]^^B4;ANQN:AYWFX2WV^1/>S+Q&>7)'|]W^M:QIOLSQN/I!'$!S(!@0<786|K]*PTNMQ04PA:XU)T?2>DI5,9$"8(9^9J/'N MDJ@I@'?G3?]324KNR-LW*8WHN].*MY)"RY+GS%T^5+J1>).9H3V1Z.P^5[P
MUP*Z\IZQ-X9W7H2#)+V1PZ3+8?*?HY):DQ53ZH6+O36IA?$66597=5GN0C6(Y-FI[L%Z4#B+R
DQI3%_<3R*;OE[4'Z81N<KTT3M">CA+O5YYA4\;#$H6X/1Q/O!ZEU&XF MX_8 W7E)/TPGUA(M)W':>DJ2R'L/&51;]!0W9RANA5_J?E5VG,8M643'-V2W MV%;\>#Q5Q'E^);(Q="-+$J:1I="R%.DM;K.+[:=8*S#HQZ]NZ=T22SM6V: M<;?:/66+IH/_-&_>P2],[;G0I(0=0L/!&, ^<:MZ69F+DP?7SK308O!L6^!R#ML@:XOY/2G":60?? S_\!4$L#!!0 (-=T"%DG(6]_ (D' 9 M>&PO=V|R:W-H965TEL$:(5E:3B^_ O2,F:NR7&!NR+>*3NGGONA)Z=N6Z<,-"+5?A6EX/+CGN\:Z@WB]|-@.'L#^UMUI MW,432LU:D(8K231L5^%U>G5#G;Y7^)W#WIS(Q$6R4>J[IVWRJ5V'B"(& RCH$
MALLCW((0#@AI_!@QP\FE,SR5C^@??.P8RX89N%7B#U[;9A4N0E+#EO7"W]O] M1QCC\00K)8S_DOV@2XN05+VQJAV-D4'+Y;"RIS$/)P:+Y 6#;#3(/._!D6?Y MCEFV7FJU)]II(YH3?*C>&LEQZ8KR8#7^Y6AGU]=5I7NHR?LG++,!0YBLR5?; M@":WO=8@+?G,V88+;CG^??.-;028BV5LT;F#B*O1TAX-B_+I3RS*]QN\3Y[CH/^Q\K=HMW M4>-$/'?JHHR29(XKC>@B"XYMCX1W<*I):)F1-)]GO:0C $2
C3SKI@B*A*B.4TO698TTG[0/)B1M)9/I3*!&4TSE^:9Z,I7DQ4TBVB&A"<2VQ5,ES M%8I/QB-VW;/"M!.T4\/]6*7O<. ?3Z[O^$U!+ P04 " #7= A9 MY$-H2FH# !G"&0 'AL+W=OON%"+H@6,Z,N6E=0VD*0;MJ%=@J3=GFGIRB(JD1I)U>Z_WR4EJT[J M:MV+1%(\A^=^\6]UE^JSKA -')I:Z+5?&=->]8'.*VR8OI M"OI22M4P0U.U M"W2KD!4.U-1!'(9IT# N_,W*K=VKS4IVIN8"[Q7HKFF8^GJ#M=RO_<@_+CSP M767L0K!9M6RˆCV@^X3)^4O<A>92@,)R[5]'5S>IW>\V ,5QKT_&8"W9 M2OG93GXOUGYH!6&-N;$,C%Y?\!;KVA*1C'\&3G\\T@)/QT?V7YWM9,N6:;R5 M]=^\,-7:SWPHL&1=;1[D_C<<[%E8OES6VCUAW^=+WW(.VUD,X!)0<-%_V:'MP0\G@"S\ 2 > +'3W1_D5+YCAFU62NY!V=W$9@?.5("F)XA_0)#"!RE,I>$746#Q%!^0F%%1?%1T M$T\2_M&)"TC"&<1A/)_@2T8+$|>73%IXSK >-S^/L]5PI5N6X]JG=->HOJ"_ M>?4B2L.W$ZKFHZKY%/OFD:JKZ&H$60)5F&*&BQW45BO@@4I.XSG)TZ3D.AQ= MY[W#')LM*D@BMY)XK[D 4\E.,U'H-][#W2>XUAJ-AI==-,OB#%V"/(N2S+OM ME$)AH)7*%<|9E35G6UYSPU%[4,;@U;* M99QY5D]<1A. ^7HR^7ORTKW77MC72K4)'09]&Y,$US/L]^M#VKH/]@,US!M4.8M8QNSA9>$]1VDY*_(#I8PK&14392I%5('+ V!*4GG49^Z1Z6]QUKVU<91 M>\DLI8IZCYKBW;<7XF*&ICTS*|_14F0Q%<! M<77LHM=]_BVO6_!'YC:<:'I_)*@X<62\E[U;:V?&-FZ5K*5AA]3&U;T)X#* M;]#OI93F.+$'C/\6FW\!4$L#!!0 (-=T"%DY6*9<6P($L% 9 M>&PO=V|R:W-H965T=XOE?ZT=2(%EX:M(.!5;7T@+>8MK7"#]E>[ULY+!Q;&&Y2& M*PD:=XMDF5^MIKX^%/SFN#='-OA.MDH]>N<[6R29%X0"2^L9J/L\XS4*X8F<MC*>>,QF.],!C^|^%WIWO6RIP6LE_G!FZT5RF0#@">V$?5#[;]CW<^]Y2B5, M^(5]K"6S!,K.6-T8*>@X3)^Z4O_/QP!+K-W *0'D* ['A14WE!+B[E6>]"^MVK%Y([0:T$X?=^O0?)FGUI'Z5%KV!*M(0-XA MF,&]DK8V<'L9LO_QJ1,S*"('12MRDO!)\V;C-[JES M^FP/)V?9)(>0..*\,\G?O_+T:, ;U%588P.E[R#. ^A =7HIE7)!_Y?&9N:>Z MXM* P)V#9N.+\P1T7-WH6-6&==DJZY8OF+5[[5#[I??*64/CC[@>#^+OU!+ M P04 " #7= A91?@5MWX# ," &0 'AL+W=O+M/M/26")* MD2I)Q?'?[Y"2U31PC/;!(UYFSIRYD/1BK_0W4P)8\EP):99A:6U[%44F*Z%B MYD+5('%GIW3%+YU9E: \N]424B&L?3J&)2X M=$5YM!IW.=K9U5>F.=L*('?2@@9CR0=IN3V0P<8MF^$BLNC&*4=9!WG30M(W M(*?DDY*-(B40_ZS?83:W+]TR/&&G@7\IXY$7)(U'A,9T? 8O[6-./5[ZFS&? M^K5%&I]&[9!K_>8;GN. ^>L03F#?(4^V(MQ/,IE#%X$ 2SD!.KR'K[@3"9$U84&@I<|5J[1N9<%J>".>|N4VJ GVT',/@ M,__(GT_O!*XF3J2^.DZDP8!+8DO5&&1GAL%G9,5EIBH@ Q?#,'@?)"E%.4O)M>Y),YB@'R249!M=]*%T89%!K]<2=R^UA2&K&?>BV!+)652B1JP!38A' M3ASH+'&8,\0\4XA)7XC)+Q<"P]CB-M)A@LD,2'MWLDHUTKXNSZDBG'?59]SGM118RJ+:@29J,3[;VVABP)E@S4XY(AI+ !X8_,0&.C&L.U]^;9XZ3V\)+3 ME'0Z"3::Y8 78W:DG@':XLEP|0WBR=(##CGZW, ML%/H#NZ/=|*_>-_!EVENY[T_R|F=C4*TQ#-Y2)O2GNO-K_+K3_>P)DJC?]% MFW:OB$,T:XQ5U?8P6% 5=?O-G[<<]@ZD^(T#='N >KM;1=[*3[G-QT.M-DB[MW2#-#;RK_C085]0N*!.KX=\"SMGQ=6-@Q1@TD4M@;=%MW4,;(>L]Y--2FOYP M8$&5.5"8;<5>MV+I&V)C|$W5=F70YWHNYX?G!V!B9R?=V7E-CPK\HZDO$<,1 MHICR(_)8YS?S\M@O^/V:NZTT_KHT5SE79IW/Y"B$TC!2/\EP_/X=B?&'(|;R MSE9^3/IX I4X;TJ)U`)!-6HPLEY"11C(//`;&17$DUW'IG6(_:.&\<5]8H: M1*G&Y/7<](.OJY^#K(|N)+]7M=SX7 ANE%XK,$$&#\KF9?"PTE(>1!M!K&07_MJ^>/LFZD09=H#2.$!+'@$59XK[OWZ64T \PRG 49W%P6\]4)5&O5,.TT4*K M:N>Q]@TB/(H)03T2L0RC/NK1*!8I# B.1,R"3Q+HSXHV><$'E%=*V^*_=H'' MB C*'@V^, M.!<3[R"+>"Q.L68'K+,H8<&<<< 9NPYY0"IW/BE63IBWC!6C I MGG\NJP.291%)'6H"L# Y8$TA-5G*3\"F*=B-'6/,/.P8X-,^]'+?$ZR)()"O M_'NV$?$V;H$3!&&-78# V.0,XFDD.$,]E).6. ,Y?12#>^<4!|[T$OV#N5X]3 M/\AODI&(<-&C)!(9/X!.LA22/CL!G7& [@HMXE2TT G-_#JX!*:<@!X+V+AW MF9 CS'D*-Q1XB#G CV+\(Z|CU'"%_,(%$3^_N\MAIYK G4<;8F=@9%-E+!+!Z MY(T2W1LE?OJ-LNYA0+DQ\MSGZ;B.7W]>]FRY"@YK^"* H@RCF'DD@']YB)(M@3=-W0JE49*Z1V4JFJZG4B)$V"Z&F.60*<56;$8I22$!*$0.Y0HC76 [V^K-*MZ]7O0@WR06L;M6ZU:W0_MOW=]^UME_PMU\L"DK>4"SB*+Q-IMO.IYU8M?;=_MWE19Z!W]<-7-NM1N_R_4.KN)DY!U_Z/_P=02P,$% @ UW0(61E#!3\E M P '@ !D !X;"]W;W)K&ULG59M;],P$/Z> M7V$%A#8I6IS79],MQ H(D)"F;KZ&1NX4?^8>%%[ZMC5T(E_.. M;>$.S)?N1]$6CB@5;T%H+@51L%GX;Z*KZ]S:.X.O";Z2"8VD[64WZWRL5KX MU!*"]DIC$1A^'F %36.!D.//:8_AK2.Q_(`,:W+'7-9.PTKV7SCE:D7?N&3 M"G:L\RMW'V ?3Z9Q2MEH]TOV0VVLTN?E+TVLMT{X.6B^'+?N[K<.10T!,. M\=XA=KR'0([E6V;8R,;G!*AM- MF*C(2@K#Q19$R4&3LWNV;D"?ST.#L.Q'6.YQKP?<^1N3CXC4JW).U%\]:=_ MB!Q'HO&!Z'4\"?BI%Q,.LZ^IV2#]Q=?+;CBN/R(S:%RH;Q5LX*"(Z MX617#F2._S?.IPYF-?__OZ\G(MC_|:.^^D@3\UY5,3#D%_2V3#A<4"3PDVXEP1TYK8+%&?T\GC8DSPHLOSO63]= MDO#HTFY\;=W3I/%4]\(.]_>X.KY^;X9+_]?Y\'1^9@HG2I,&-NA*+V8XM6IX MC@;%R,X] 6M\;$%Q8HTO."AK@/L;*1+$]?BHK>2[QYZBB:A.&%K MFJIO[AE/0JD6^,(OUIR&BSPHB?N688S[21BEO=DT7W?#9U.VD7&4TAM.Q"9)M0OYP26.VN^B9O<<5[Z+E2F8K^K/I.ES26RH_K&^X6NI7E$64T%1$+"6E<9HA0_=O2*QK'&4FU-MXW;)[54YL\#]SX]T-]]YM3-WH.!7+/XG6LC516_2(PMZ'VYB^8[M?%KN4-[_M.8M%_I?LRFV-'IEOA&1)&:Q:D$1\3_\4G;$7H#BM =898!U&#*!\(F!0!@R. M#1B6 <-C T9EP.C8@'$9,#XVX+0,.#VVER9EP.38#&=EP%DNA^+XY0??#F4X MFW*#V(SS;6M&R#[F"\FAUS*,T$_NMY.K;2,7)V64H(D'8/:GA5-!4AH4$TP6Y MW BUK1#D:A6F2RKRE3;=JO-CK=0NR:\VE654B}?D-_+AUB;_OGI-7I$H)>]7 M,"/4UF+:EZ}6:-+^O&S.9=$;@GWCL_>%N]_6,\W]UU#2$,JA-ED/,&3W7&YDY$BTC=$CCQ/F\B>0# MN:9RQ18D2+=42$K)QS]5% DD3<2_;>(O4@S;4V3WM7.Q#N?THK?.SD:^I;W9 MSS^98^/W-N4A8382YB!A+A+F(6$^$A: 8UM#RMM#W7T69"LPXCG%W5U)PB% MH++UVEU0QCDEJZ*V,],<3/O;?55],W55Y7? 2)L@D8URD3 /"?./.#[!CW=I M0V*C2F(CK<1N*}GY<629A);AD)5REN:;B4PTI3R4-)%5CHL5>;DC7E$6N[M^U|[HDW2|=8PT|KK+^-D8(V:/6RC:K5ID?3B))W^?A*#64H7SZ0C|4B8CX0%(%A#MVV>5ML^TE^@KI@9-Z<,O0E4-F9*ST=,;PG;J8BU6T3JK81\+7E77BNI,:).X M-E-7B2-A-A+F(&NN8A87X!,P?[P["#01@H7T.XIE$ |C5>8BRFS|)5ME";M#:4Y)>U@H#6<'!Q6%YK5:\%Z.#MM9O6A60,4K:G-/3O"U%|658F@+|JWDEL4A-MU!:\>E!G^2%I-I3F0&DNE.9!:3Z4%[!H32E;M92MYZ]^RQPHE2-I-I3F0&DNME.9!:3Z4%]!H3977MIBI=2:@=;_^56>Q0PTR*,V!TEPHS8/2_))V4,6<68>^_M!"IK4|:U V;]+,;#BB5M1=1SQP$U/ZZQ4]&D&I3E0F@NE>5":#Z4%*%I3S[7=M9HY>H/B VFU0F@VE.5"-"Z5Y4)H/I04H6E/EM85GZCT:,/$!]?B@-!M*^G/&G M3Y4)H/%#&R[|%&#K2.Q-+^D=!8>TI6EHWV@W-?28SD*&VH90F@.EN5":!Z7Y):WQ>L?ACL,#5,JF/FLWT-*[M@9JJ@OQ';G@D'G_:\9[.5RF+V;?]#]@E"*794)H#I,E0F@>E^5!:@*(U%5\;MA],P!>H,J)TU[=E0F@.EN5":!Z7Y4%] HC557MN)EO[U/>1##WVJSF*'NHI0.MF@.EN5":!Z7Y):WQHV?C9'Q8G$#=PO[>K|>)*C7R*5.$F;--*HOW^]NUU;0L M;_/)2[67YKGGMFRWC?/@V+2E1I?S %S'?)EE H2TWN5RC@Y53O&BVE5B@7) MUOF<&W=,2I;D'U;:""^OV=,/BYD":K);6;_ U!+ P04 " #7= A9 MH9-M/;X" 6"0 &0 'AL+W=O7 MQ';NSL]=7=OC-1>/L@!0Z+EDE9PXA5*+"}>560$ED6=\ 97^.N.B)$IWQ=R5 M"P$DMZ22N=CS(K WA;7<:"(CY(`S M1|)VD4,0TX3D$1RN0).D7W MMRDZ/CQ!AXA6Z*[@2ZD9@J9ION6'G30TX_/OD5W=9!MFKA-$UN]X/_3{(]%@^[QZW=<$69=#W;6>[V/B+?A=(41[:NT2C&VVETP"(<-MQ]%6'!TP/XR&K\NJ-NIN'$+FQO"+B#FM)&(PTT3O;*1C%?4I7'<47]ASZ8$K M?.N:H:Z]"R3]02P,$% @ UW0(65WA4= W @ M!P0 !D !X;"]W;W)K&ULM53+;MLP$/R5!1L4M"1!8LNP\D$H"&]=%4]2 83?M(>B!EM86$3X4DK*2OR|)V8(;Q+[U(G')G=D9 M1H$R2/ US,YVGJK&<29QI,(T05+_>(E=M1H9D-S%GZ\KZB2A/:[K&!=]'M>]9=%/4L)1,+XR\GEX2#^S(CL1>$' OK M&:G U\-YRTGZDAZX/JZQ?PW>G949P-]|04YV#_|*7YX9M*$=I3E0 M6<(>0Q,D8'A9W<'IR]B]-Y/STH+>5!)XQP=-U?ZLX5Z:1E-9(§R4 MJ*E\A<-J6F!&7'=;U!OD.0?/PPOXT]"%(]ZQ:/ /CIR M#&'/WYX$//YPJ7!O49AW58_^@^IQKWI\=)_?-*

*(CKHT9KI_H|G1W3=6#R+\4F MOQ@,TVBS7S[:ZV(_)$RI7C-1@,/*H>++!U04!W5VS+K"]#*]V|5-9=E#"LW,N$ MVB>X]952=A?XV]*_=?E?4$L#!!0 (--=T"%FW302NJ@(!@' 9 M>&PO=V]R:W-H965T';@)5HW-,). T_WZVH2QM:+:'O8 _[CF<<[F^3O=P@K4?7TC],SM60I2 M 9.$,R1@,W<^^9>+Q,3;@!\$]O)@C(R3->-6!M8**L/;-'[I\' #\Z U-T &"?P6$'2"T1EMEUM82 M*YRE@N^1, -&:S0QL;BQ;NR', ,,65$GJ7;)S*KMD.F,*"@$1G2U"84'F./]#[MU1*=C<[1"\&&*

*]DK>2,P*F;I*?],@W;SCOVKY@S?XOS9L@D)OC (OB ;@B]/P M)>0:[EMX^!+N:J>]W:"W&UB^\.]VA[RTX&@8; [4I:QQ#G-'GQ@)8@=.]OZ= MGW@?AYS]) {(7/L/>9WB*/?N.52,P15L\Z+,%)Q9LSODNFX;3U-T=RC^.\4/O MH@]Z(2OJ944G9=T"@SU>4T"Y@(*H07$M17SPX6@60%9W'.0'OA?%) M>2M.L4 U9D#E&#'=0_D&8;3#M,%MTZ&ZZV&6@]D8,4+UD:34[K "C;S)[, ^" M0KKVH:]]&Z'+&:HUB+ZDQ[H3RAIL+Z-/0]FⓋQ.PU>Y. [Q_5DTG{JD3T5R M,A5W7&$Z^'N2H[]{DZ/B.0{RH_AB]D]3>]"WS)WQ#8LM81)1V&B<-YEJ3Z+M MP^U$\=]VLC57NC';8.FO+A F0.]O.%?/$], =^\LP^PU02P,$% @ UW0(M6<82TOLT @ ZP4 !D !X;"]W;W)K&ULK91O M:]LP$,;_BM#*:*&+'-OI0F8;UH2Q#@]A6;?7BG.)167)DV0G_?:59,>DX&8= M[(VM?\|S]Y.X2_92/>D"P*!#R85.<6%,-2-$YP645{D:<+N,*4Jj,%3M2.Z 4D-M W7E1Rs@;!#2DI$SA+_29Q[$4FI#6<"E@KINBRI>KX%+O-/9Z{JD$YX.CZZ? /LEF5--.9^+|W828Y37VLBR$]L,2B;;/SUT]W B&+\E M"#M!^%Y\U DB#]IFYK$6U- L47*/E#MMW=S WXU76QHFW"NNC+.*[S.I,=B<. M%$8J!AI=+!.!0QC7Z"0=34WZ%/]"U0)=7ERA"\0$NF>1?F MM@T3OA'F1RU&* JN41B$\8!\?EZ^@-S*QUX>O983"]Q3ASUUZ/VBOU,/L,3B M>%CLZFJF*YI+BFWA:% -X.SCA_%-\&6{#^9O>*,>L[HG'NVDIPJ5%$!7%^C MAO*:ML7#;?52d<,0_5G+X831$'CK,_4^KIDT63":)I09X(E|GO<LS_'=GM_+ M$@_D$/#?FO#T1.2M&UP7NJ=DQHQ&%K[8/1YPE&JFTM{<3(RE?G6AI; MZWY8V&X,RAVP^ULIS7'B"K{O|]D+4$I#!!0 (--=T"%D@_0.8;0< &Y(M 9 >&PO=V]R:W-H965T)K1P^ M-

*'6HUWK%$UX^YL7G2R/?:VF%SFZVJ99O)MX93KU2HI_GTM ME_GCU8B.G@[R^6R(=6? MXY\M=+3KLVFX__J)_G,[^'HPMTDIK_/E7^FL6ER-HI$SDW?)>EG=Y(^_R.V M_(8WS9=E^]-YW,3Z_LB9KLLJ7VT;UY]@E6:,W\F7[8G8:T .-:#;!K3;P#O0 M@&T;L&-[\+8-O&-[\+<-V]&/-V-O3QO/IF1R6>2/3M%$U[3F17OVV!;U^4JS M9J*\JXKZKVG=KIK9K.5S(Z?Y(%Q]T#Z/SX1UW7GS[O?.M <M2>_A^T6^+I-L5EZ.J[KOAC">;OMYO>F"NB'.6_RK%J4CLAFFX9S6N_C]WK63P7:S@+4\ M=H#'TS*9SPLY3]H)D-\Y3_/BT^]U]/-K)5?EWZ:L;[B>F=NHW$5YGTSEU:B6 ML5(6#W(T^>X;$K@_F4XY$:L:1, &":)C$;A 'E^,',;-KB&)>P/0HWH^BQ&61IX>)?AB)HY#%NS!MJ/YN]+YU MJ*+Y_BC2:5K]ZWQZ(U>WLC#..BMEZ*Q#PC@2))D P+17!+A7!F20A0"8"">-(MF #!M.2N^2)TK"IKV_=WV&$7-)1Q+Z49%+XK@C"?TH$H1!"8DP1#F>T$4 MF"4AV@TUL@[UCZ1:%_5@YTEIE00K9>BL0\(X$B9 ,"T5\2X5\9DD(48F!PGC M2)@ P:3D$%?=R:LGBL(6H%WO'NE\M5^;HN+0[XB"(8]Y$;$=43"%^;'KFD6! M|-D68AWLG!5"E9!L .&3CHHC4-I D734T%5*NB99&$++1J4(2>-0FD#1]!0I M>T>L!N48:6#]ZS2.NO<+ABB/1MW![:4,4(5%7080A+"(^.Z ,RB1TNVA.?TB M9TZ15-

*(N#U;*X+F'I*$H3:!H>CZ4I2/^N>0!:O.@- ZE"11-3Y&R>L1[5HZ1 MAZ!WK?]N|[*N/IC" C?]"D0_C!#7!5U'88B+ _)!&!R1"N2=BMT\&B7#^PC"CM\Z*R$TCB4 M)ET/4W*%)R)N&@4-,(I7$H3:!H>HJ4::16QW.$<&P!FB.A<4<0K@U1-(ZZ MBQJ&*.*&M+NH80B+_/C]095[HO:W9=9-9Y_@F"'#IZ,T-4U*$V@:'J"E&6D MWKGT NHBH30.I0D434^1/N.JXIC/IA)XP;PH*(=6G"$!;&OG^=0NH,I(CL1O"@=>AS[5,7.'SPQ MH8N(4)1 T?1,[=6GJU(%%LEBBT3Q=>)GL/(,F5DV:FEHEN MD))#2-R5#D-4 M'-.NK+"&S6*#RO'\DQ4[>?"$A*XL0FD"1=-S MI/PC.U<5*8/Z22B-0VD"1=-.3!/PD.]66U X8\&0%!>(HD "]-.N/"*S>\0C M1 JZB FE<2A-

*H&AZ*I1]9>>]:V50WPJE<2A-H&CZ?\ HW^J=6MOJ&0I-^P5L MABA# 9LARE3 9@@[7,#F*0/H#2EM'? 4QJ>6X=L 0[0*!. HD M "#]M"LC[-F-<$^{GK=H=N+@2P*ZH@JE"11-5GD+X831$'CK,_4^KIDT63":)I09X(E|GO<LS_'=GM_+ M$@_D$/#?FO#T1.2M&UP7NJ=DQHQ&%K[8/1YPE&JFTM{<3(RE?G6AI; MZWY8V&X,RAVP^ULIS7'B"K{O|]D+4$I#!!0 (--=T"%D@_0.8;0< &Y(M 9 >&PO=V]R:W-H965T)K1P^ M-

*'6HUWK%$UX^YL7G2R/?:VF%SFZVJ99O)MX93KU2HI_GTM ME_GCU8B.G@[R^6R(=6? MXY\M=+3KLVFX__J)_G,[^'HPMTDIK_/E7^FL6ER-HI$SDW?)>EG=Y(^_R.V M_(8WS9=E^]-YW,3Z_LB9KLLJ7VT;UY]@E6:,W\F7[8G8:T .-:#;!K3;P#O0 M@&T;L&-[\+8-O&-[\+<-V]&/-V-O3QO/IF1R6>2/3M%$U[3F17OVV!;U^4JS M9J*\JXKZKVG=KIK9K.5S(Z?Y(%Q]T#Z/SX1UW7GS[O?.M <M2>_A^T6^+I-L5EZ.J[KOAC">;OMYO>F"NB'.6_RK%J4CLAFFX9S6N_C]WK63P7:S@+4\ M=H#'TS*9SPLY3]H)D-\Y3_/BT^]U]/-K)5?EWZ:L;[B>F=NHW$5YGTSEU:B6 ML5(6#W(T^>X;$K@_F4XY$:L:1, &":)C$;A 'E^,',;-KB&)>P/0HWH^BQ&61IX>)?AB)HY#%NS!MJ/YN]+YU MJ*+Y_BC2:5K]ZWQZ(U>WLC#..BMEZ*Q#PC@2))D P+17!+A7!F20A0"8"">-(MF #!M.2N^2)TK"IKV_=WV&$7-)1Q+Z49%+XK@C"?TH$H1!"8DP1#F>T$4 MF"4AV@TUL@[UCZ1:%_5@YTEIE00K9>BL0\(X$B9 ,"T5\2X5\9DD(48F!PGC M2)@ P:3D$%?=R:LGBL(6H%WO'NE\M5^;HN+0[XB"(8]Y$;$=43"%^;'KFD6! M|-D68AWLG!5"E9!L .&3CHHC4-I D734T%5*NB99&$++1J4(2>-0FD#1]!0I M>T>L!N48:6#]ZS2.NO<+ABB/1MW![:4,4(5%7080A+"(^.Z ,RB1TNVA.?TB M9TZ15-

*(N#U;*X+F'I*$H3:!H>CZ4I2/^N>0!:O.@- ZE"11-3Y&R>L1[5HZ1 MAZ!WK?]N|[*N/IC" C?]"D0_C!#7!5U'88B+ _)!&!R1"N2=BMT\&B7#^PC"CM\Z*R$TCB4 M)EⓉ/4W*%)R)N&@4-,(I7$H3:!H>HJ4::16QW.$<&P!FB.A<4<0K@U1-(ZZ MBQJ&*.*&M+NH80B+_/C]095[HO:W9=9-9Y_@F"'#IZ,T-4U*$V@:'J"E&6D MWKGT NHBH30.I0D434^1/N.JXIC/IA)XP;PH*(=6G"$!;&OG^=0NH,I(CL1O"@=>AS[5,7.'SPQ MH8N(4)1 T?1,[=6GJU(%%LEBBT3Q=>)GL/(,F5DV:FEHEN MD))#2-R5#D-4 M'-.NK+"&S6*#RO'\DQ4[>?"$A*XL0FD"1=-S MI/PC.U<5*8/Z22B-0VD"1=-.3!/PD.]66U X8\&0%!>(HD "]-.N/"*S>\0C M1 JZB FE<2A-H&AZ*I1]9>>]:V50WPJE<2A-H&CZ?\ HW^J=6MOJ&0I-^P5L MABA# 9LARE3 9@@[7,#F*0/H#2EM'? 4QJ>6X=L 0[0*!. HD M "#]M"LC[-F-<$^{GK=H=N+@2P*ZH@JE"11-5GD+X831$'CK,_4^KIDT63":)I09X(E|GO<LS_'=GM_+ M$@_D$/#?FO#T1.2M&UP7NJ=DQHQ&%K[8/1YPE&JFTM{<3(RE?G6AI; MZWY8V&X,RAVP^ULIS7'B"K{O|]D+4$I#!!0 (--=T"%D@_0.8;0< &Y(M 9 >&PO=V]R:W-H965T)K1P^ M-

*'6HUWK%$UX^YL7G2R/?:VF%SFZVJ99O)MX93KU2HI_GTM ME_GCU8B.G@[R^6R(=6? MXY\M=+3KLVFX__J)_G,[^'HPMTDIK_/E7^FL6ER-HI$SDW?)>EG=Y(^_R.V M_(8WS9=E^]-YW,3Z_LB9KLLJ7VT;UY]@E6:,W\F7[8G8:T .-:#;!K3;P#O0 M@&T;L&-[\+8-O&-[\+<-V]&/-V-O3QO/IF1R6>2/3M%$U[3F17OVV!;U^4JS M9J*\JXKZKVG=KIK9K.5S(Z?Y(%Q]T#Z/SX1UW7GS[O?.M <M2>_A^T6^+I-L5EZ.J[KOAC">;OMYO>F"NB'.6_RK%J4CLAFFX9S6N_C]WK63P7:S@+4\ M=H#'TS*9SPLY3]H)D-\Y3_/BT^]U]/-K)5?EWZ:L;[B>F=NHW$5YGTSEU:B6 ML5(6#W(T^>X;$K@_F4XY$:L:1, &":)C$;A 'E^,',;-KB&)>P/0HWH^BQ&61IX>)?AB)HY#%NS!MJ/YN]+YU MJ*+Y_BC2:5K]ZWQZ(U>WLC#..BMEZ*Q#PC@2))D P+17!+A7!F20A0"8"">-(MF #!M.2N^2)TK"IKV_=WV&$7-)1Q+Z49%+XK@C"?TH$H1!"8DP1#F>T$4 MF"4AV@TUL@[UCZ1:%_5@YTEIE00K9>BL0\(X$B9 ,"T5\2X5\9DD(48F!PGC M2)@ P:3D$%?=R:LGBL(6H%WO'NE\M5^;HN+0[XB"(8]Y$;$=43"%^;'KFD6! M|-D68AWLG!5"E9!L .&3CHHC4-I D734T%5*NB99&$++1J4(2>-0FD#1]!0I M>T>L!N48:6#]ZS2.NO<+ABB/1MW![:4,4(5%7080A+"(^.Z ,RB1TNVA.?TB M9TZ15-

*(N#U;*X+F'I*$H3:!H>CZ4I2/^N>0!:O.@- ZE"11-3Y&R>L1[5HZ1 MAZ!WK?]N|[*N/IC" C?]"D0_C!#7!5U'88B+ _)!&!R1"N2=BMT\&B7#^PC"CM\Z*R$TCB4 M)EⓉ/4W*%)R)N&@4-,(I7$H3:!H>HJ4::16QW.$<&P!FB.A<4<0K@U1-(ZZ MBQJ&*.*&M+NH80B+_/C]095[HO:W9=9-9Y_@F"'#IZ,T-4U*$V@:'J"E&6D MWKGT NHBH30.I0D434^1/N.JXIC/IA)XP;PH*(=6G"$!;&OG^=0NH,I(CL1O"@=>AS[5,7.'SPQ MH8N(4)1 T?1,[=6GJU(%%LEBBT3Q=>)GL/(,F5DV:FEHEN MD))#2-R5#D-4 M'-.NK+"&S6*#RO'\DQ4[>?"$A*XL0FD"1=-S MI/PC.U<5*8/Z22B-0VD"1=-.3!/PD.]66U X8\&0%!>(HD "]-.N/"*S>\0C M1 JZB FE<2A-

*

E0+;T;1FW!@"(_M>?8JN#8E,YNOYV37V6(9I8_K29V6EOFJ**N96QRGU;RMFN&MK](HZ:MT^DYR MW>OM&JR;93Q)}GG>2>XB M\;ELXM$?'7-H^0"J:.BFHYJ!:B.J6:AFHYJ#:BZJ>:CFHUJ :B&E=1.V+1^H MOGQ;2^@1FJFDIJ*:AFHZJAFH9J*:A6HVJCFHYJ*:AVH^J@6H%E):-U;T@A% M7!KAK^H98[U+EZ;>4;UC0CS*AG_);I-W!=O1T>'(5HKH>Q?+7_W7"H-[5%' M-0/53%2S4,U&-0?57%3S4,U'M0#50DKK1EQ; ,&(IY?P95546XHFR#9W5'W7 M%)Y*LW@^K1?3<3&IX-Y<0^L5&JWS9_6]R^,K:)\;JNFH9J":B6H6]MFHYJ":.MBVH>JOFH%J!:2&G=9&OK$!1Q'<+_HT.,M9/-HURZ>2RJ];*D1Y-DOF&$1R71M(@A44U%-0S4=0U0Q4,U'-0C4;U1Q4]!.39=3652Z;-1$[Z+ 8_2XC;.\A: MGZ\?1)/U$]=9T7MU/'&'QX9=HW4+LW:S#=NU20S4=U0Q4,U'-0C4;U1Q4>0Y)6.DVB-/JS!R+%;^KH/$6K85!-.M0S4=U0Q4,U'-0C4;U1Q4_NQ?5 M;_'9_%'Z'A7U->-3J9S%SQNKR<,BF]8+I_ML7JV8-M?'NTWB]>6BZE.AFH]J -J%E-;-ZK8. M9_1?J\,AKD:CFHUJ :B&E=5.UK>T9C=_8XALM(D(U%=4T5--1 MS4 U$]4L5+-1S4$U%]4\$/-1+4"UD-*ZF=H6$8U^YDXY!RR^T5]?4<\M+YFTWBZ M\;[&D\=)}?S=YF&U3JY6WWG]MVRWG+X7KY?1V]2@FHJ&JKJ&:@FHEJ%JK9 MJ.::@FHMJ'JKYJ!:@6DAIW2!L*X1&;^PV-2.TQ C55%334$U'-0/53%2S4,U& M-0?57%3S4,U'M0#50DKK9FI;8C02W;FA?5RG$ ^(@WNUM7B]UE9IV22EG$U MA+*]G?9O)(E0]BFHJ&:GJCR<,M8P:#]Z-QIYB!<=C+3'1L%]K9J;.@FHMJM'JKYJ!:@6DAIG10;MT4IX]>*>DKI>Y.](=U'\U7O\3TQ<&PLH9J*:AJJZ:AF MH)J):A;JV:CFH)J+;EZCB8]U^VB? ;J%E-8-K(;*92RN)EA; MTZ_>*$/+3E!-134-U714,U#-1#4+U6Q4R\INF*$%):@6 M4EHWS)0V5(0G5__TWU_%[-&AAM9]H)J&:.GJC=7[{[[WF;32ODB^V7K:[9$3'M9:&:C6H.JKFHYJ&:CVH!JH64U@V]MDIC+*{2]K[>7V3:.1)*+?.K'(6I=+O MLVP^?2'YZ"AS2>2C>K(T4R3:*\OMU E-?7BZB?R(M94E^>;#-?>R==5PWOXF+K MSBK9[?/3I}?-FU!@P^M^D U%=4T5--1S4U$]4L5+-1S4$U%]6\]?Z=?4;[MZU*TZ /50DKK)F1;]%%]*5R71C^2Q6HA/*M$3!R=7]2FHIJ&:CJJ&:AFHIJ% M:C:J,.:CFHIJ':CZJ!:@64EHWYMHJC/$;J](8HU48J*:BFH9J.JH9J&:BFH5J M-JHYJ,:BFH=I/JH%J!926C=3VRJ L;@*X_=HT^,'QV XJ$*IH.GH@/14$U'-M-0/5S%<^:CF M_^Q'%/QLPY,_R:93HMZCJ9&973U<1'G=_%U/)\7TB1;I65]9<^MK5(>WU;) M)7_XK)R<[FW7Y ^&W+/=E#]8?=MM^8/;M]V7/P3K[:?M<*X^+J.[V(ORNZ2: M_LWCVVIH@_?GXQ.I3^YFSP_*/;GI1#Z1OF=EF2W67\IB:;KG|0NJYV^SK'QZ-M4'2P0.5_K,-_^U;\!4$L#!!0 (-=T"%EK3.MJ0P4)0@ 9 >&PO M=V]R:W-H965T^Y/O?>7!_L#a(4M_>1+C 5XCJ.$#QM+(5:7S2:?+G&,^#E=X40^F5,6(R$OV:+)5PRCF3:*HR9L MM;K-&)&D,1KH>W=L-*"IB$B"[QC@:1PC]G*%([H9-H+&ZXU[LE@*=:,Y&JS0 MC|@\6UUQ^15LT"9D1@GG-`$,#P?-CX&E^,0*@,]XCO!&|[U'2@J$TI_JHL_M9L-&2\T(1W@J% 22'VM\C:-((>! MV#((P@H#F!O -P:P4V$0Y@;AH0;MW*"M(Y-1T7$8(X%& T8W@*G1$DU]T<'4 MUI(^253>'P233XFT$Z,;1!CXCJ(4@UN,>,JP3*K@X/T8"T0B_@'\!KX]C,'[ M=Q_ .T 2\'5)4XZ2&1\TA?2O4)K3W-=UY@M6^/HS31BC6\1^RD1.(@SP4TK$^`!XFC(B"+8E,$/K M:C35,M:CL"U3M=[F8QG3]Q9CC&FVBVFVG=,<8S#62'4 H+-RI&$$KH4 9V# M&Y*@9$I0!.XH)[I?/'YZ%JK[*&:?DC3&#*G[/VRDW+[_%DO,.K?\#/Q%$QD? M)AW;4ND#R0A0IPA0QUFK7PB:D$BGS5JP'9\%ZPG,(-HMB'8/K817SB}^J\'M M_RL5$ICJ3$9ET&UA\@!DA*A7A*CG1+Y7;S CR0(\WN)X@IF5IA.C;D5X C/H M7A1T+XYMTQ<^.7H",SCV"XY]KVVZ'T":MHRI;M-!JU0+K4-?SRE-!).RS2X$M,IC.EO=>I_5FAI9!W5Y8,<4M01.T$R>I5)G/*@;BN[V@/W&-A+H[-3]KL=T#:HL@66 B4X6*&X7KFK M/3!5Q+]'-,[=0=6-LY050>^TQNE54OA\,V6HB)PKN>'9]$-4Y7%B7:/.[>X@ M1[LMI43@UA)9NX5'M%LG;NW\>D(S?]U7@6VCOYOJY0XM7_=>T(S>99J!SH% M1NUVNP?N&5I+PVUE)PFLT3H=R S4UF:/%Z5TM0>F^D!';/+8 W0ZD!F@4J;! M*3V#[VJ,5]H)ME2C<&#-YS"&J;J&(R28O1I.!S(#5,HXZ-9=V2H2UE]%MW+BUR^3_V(N"I=:#W:-7$:>|\W3$YK)LY1^T+VE5'L5<<,]AO;2.$+RV5^+ MTX',0)6R$?J1C7M@]@)TQ!Z4/4"G YD!*M4G()^VBG@5F;!0S+.54F2&7G;# MKO;5%2#VZI&-7@ ,@.DU*EYIY1AX1!#\/P 3RD5> 96C$PQ5V>*V>$OB'47 MXF!.&2 SG @R11% N@<=#:FRC SI1$!4=BR2K5 W0-D&S?#IZ-QIY6=4GA(Z+83MA:66OMR9Q)3NS\,+]J# M^Q,HG^B#YF,I(CNOEPU!01(.(CR7[EKG/;F.LNP(/+L0=*4/A2=4"!KKKTN, M9IBI ?+YG,H0YA?*0?&/"*/_ %!+ P04 " #7= A9G\:3K08$ ":'M&0 'AL+W=O[QE_$FL 2,[F62$FUEK*S0?VWNN;JR:TJ2YE"(E!6$PW)BW;JCR/6UP/3XG,)>')T3_2@+MQI[TQ8=D8CEZ1)!!+#6"JL,.YI!EFJ3&\6\%M>]86GA_DR/S,.KAUE0 7.6 M_9TF1141[I MUVHBC@2*TR[P*H%W*O#/'"J5H/?:"'XE\%\;H5\) ^J>"P1G!H!(,S-R7DV5FM.J"23L><0G7O15-GQB|C*%-<%KHS'J47-U-E4Y.(YIR\IEF0R!W0.66@TH; M*AT 6\U0/4W>)S3-O$[BQVUQ37K.%?$DC%4VNWV[JU+4\[1Z*K]DAL: P32Y5E7P'UO377]R!\WN;QYBP M !,68L(B)%@C-_PZ-WQ#[YW)C3;3/ZD^Y(.$7+1:[&-:C D+,&$A)BQ"@C4L M[M<6]SM_DV+N;+XBFRZS;U*M/F<,ESRYS1KT]H[7.M2]'NV+JJE]?HY=X, MF\V"SL%=:@HF!+$*"-4P9U^8,?F)-GG76Y,Z17/J#Q80%F+ 0$Q8AP1JY,:QS M8XA=DX>8%F/" DQ8B F+D&-BV[JBV^0:W(G[U*'WP C;>8B<4(D3H0T20U+ MW]>6OG_)4L&R-*2K+B3 BB_$U ?K05;Z[!WFQ MX9BT)46HM(B+%HS>0XK9VX/O8:C+H&AT@)46HA*B[!H3:4T68CK+R0;&,V;A9, M]M)O3M>@_E5PW4'=EN+M3*4*GD[3^)~,2$14BPAC:C6IL1OD&-,'7!A(68L@)UM#EIM;E!MF@;BZP@?DEG<)+ M.D4O=&HL^FV[Z+>7&<7=C[S6=([1=W=BPD),6(0$:PA%O5-YXN'[1L5$D@:5M%J+2(BQ:4YVSXI$BNTTI3TTIV'VP.6$+X_2[IG8)+DD*;SU M4-[52#_IHCR=*F\4W]GCER57VB?MY1;8"H3IH+]?&ULM9IM;]I(&,>_RLHGG5H)Q?8^0)(#I*9IKZDN4M3TVA=57SBP@%7; M2W>7T$KWX<|\VQ$,K,\#&^R;!#S,[,_W/^^PP[72W\Q"2DM^Y%EA1L'"\N5E M&)3Z^

*{GS9$LH19@EZ*M;@4_73&&V)'<4T+F4H"1Z,P.%"97H&SRH#:9O MT7MT>S-#;T|>HA-$&+K4"GK9YC[,YS_TGF'^SQ#|\$E9VHE4"7#3M%H?<.!5[0fM7?L_[46\3;%9FV)Q M2V*EI>D42],I4X_.4RX4^8/MXQ8>],8A ?&%_C46ZX/WKD\F/;#29BNYC{Q3 M:^3>[V)O,&=6-2Z8W-;)V)OHOU MY#V_L$EF|??KBIK6YG?*

*H/=G$,6[)L<2|5_#N'86W1MRM0MRK*KCS!"%M2H/A;A7A;A?57#X!"%M2H*S)L_BVI0.1=S$,6[)L838]_Z]L7M' M@6Q>WP O%(C*UW3OV3[M/T-*

*=G]FAK)M8QFU99K#=G4XI!;&T+:I$<[YA*GLM M+D:+-OC<-G]/QB?^<.I7C,],VVP[LW_R6<[}B<62,(DH++25=]K7.[K(VMCL M1/&U[=/NN-*

*)=GSUS;)A5AUXLQVH/$[723K9!/*@70Y#GCN9I.J=;%M6VK.(6,JBM10(X['R$$JG$JU[8J M)-"D F7<]APGM#/*C MFSB6)23DTS/6A0)%,)ZOGSH%26:EE)!K\IW1)>-*

,,]S]0!981TG)@8@5WD$-_MACWX\@XT95R]P\#'Q1VYO'A'+@C+R4,J2H74:F)K5&W.MN-&X6VMT'M!X;^XS5#,,^AG, M=WFM"AK#U,((3X'<@!6]?>.&SL<^>_^)

],BLWYKUS[%']Y##EB[QMG$@U[L^_MLS5#6#&8GK&)/&H)4W."MO7Y0[HD7SL8!4V%PX MU7A%N%A(D0G3+^K"EJ"QHDW[8'EL1IO^"ZR/#0[4#MU@?

*&*I&S0>'/@^GX[0,?_0502P,$% @UW0(69*7__&ULK59=;]HP%/TK5E9-G;0UWP$ZB-323=NT M;JBTV\.T!Q,N$-6)F>U_^^]WG80TD$!;B1>(XWM.SK'OM6]_S<6]7*

*H\I"P M5 Z,A5++<].4T0(2*L_X$E*L'_.S;.9'94PV.QW/%6+@=@$UR!1F-&/]AJ"_-0LRUC)(E$G/MUWP19S*,"I(X+?]H0[D0-*

8#M[0$X)AO'2N!LC#@57D21R&!*/CU@8DB0A*93 M\E,M0)!A)@2DBGR/Z21FL8IQ]@,98R)-,P:$SW /"C!LP=7H&C,)+'?8>C=*

*M^(JV"9Q+)9=]4]%M_W8Q*C9>%1F>/QF]9>D9_B*U8G*U6%/J]/FK*#RVJETC9[+)8U@_M8& 12A K,,*W,^S_^MCF\TAD6Z[=RK5{B#W<9*

*,#+)KG7!-4O4ZE#Y)5;?] MOKF]FVG&N%:OBMG2Z%4:O8,;?_!4 *,*4W$A7HD?ZXAF8#XVZ;Q(-5K=^9(-M9%NN_L\9+2EL\6HIYEM79R<5FD.]W MG?*

*9D[%0".R\J&#PNY\\63*O-Z M,+_FK,,W7'\W&=NB?-?:(ZMVT=L'9=UR11GAKSDL2L/Z&1WXUNZ6MT3UG.ZN M7K/6H^@&\]9J*.>XD9MX,8=99![_V*HN< M]\U*

=T)5YQO^!U!+_P04_" #7= A9%],lR"(# #"P &0 'AL+W=O M+DGL,YQ{IA]E:./XH8(0F>$D)% MWXJE3"]L6T0Q2] X9RFBZLF<\01*M>0+6Z0P$XBI%?,.O1$/*

*M>RR3!%,TXD!D20+Y\Q4B;-6W7.OEQCU>Q%++?L,->"A=HC.0D'7&ULDN6&4X0 M%9A1P-&\;UVZ%P/7T0!3\1.CE=BX!MK*E+%'O?@ZZUN.5H0(BJ2F@.IKB0:(*

*M$,VD=/PM2*WR-S5P_J%_<:85V:F4* :((P3,9]JV:I&K&@,A[MOJ"'"0H M.MS1K94/Z=!=E107^74WBO4WS)Z#GRG 3S';U;_M7-P2(8H4W#5P?*

*QMN*Y.E4Z]TZAD^O]9IE8T%D PG&*"):{>H9R_ MM26]M:-\O\9WNM7"6Z7P5]WP'XQ&_ZV]M:.^]W?1WQ%<4=5M>M?J@5!_4JG]@*

M$I+WJ@WV#TEW[Y#L%WE>X%;K;9=]V[5]I'TJ=IE$;P/RCG+'YV42I-J>Z <82 M2I3H_5#[<(,II\%6'D=,8+,]OZ^?\Z/+F1(SKFF6&$I&_U0Y?4,.C!$OF]D!

MU@>AJN5KF0YL^4X96^=]L=T6^_O< $7?'3>V-^28V&[79ZQ4415<+=>!P77+ MX+H'!{?>[N-F5Z^HZ%>38'V7#F])#@S.==8C@W-

P=,>,ZRT9NV>M5N]P7D^,.8+R5(S>TV95).Y\KQ/?P'4$L#!0 (-=T"%FUV,.-O (*X' 9 >&PO M=V]R:W-H965TK;2+1L MVJ8A$(SMLYM<&HO$SFRG9?

_]SDX;6@@5' C2^-=[OO>NOINLI;K7!:!AZH4 M>NH5QM1CW]=I@173I[)&03NY5!4S-%5+7]<*6>9 5>F'01#[%>/"2R9N[5HE M$]F8D@N\5J";JF+JWPQ+N9YZ*

*V^[<,.7A;$+?C*IV1)OT=S5UXIF?L>2\0J% MYE* PGS]G0_&\]B>=P=^S;U AL0EI@:R\#HL\(YE]4E MHC#^;CB|[DH+W!UOV;\Z[:1EP33.9?*

F'9Z;8>I\\R#!G36ENY/H;;O2,+%\J M2^U^8=V>/0L]2!MM9+4!4P05%^V7/6Q\V $03S\@W #"IX#A"X!H XB)S0Z<-PY-;KBP6;PUBG8YX4SR$\D##<<7:!@O-0Q.X"/<

*MW5[|=$)' $7*N0C68BTQ/?T{46Y]<;\EE+'KY 'L.E%*;0\$5DF.WC?0]T MBS;<1CL+#Q+^;,01,$"'(-PV#/_/7PZ$ X46=>Y/BB%_CF3!=0,YX/!2=@*

ME6R$T>196C:DUYIG"H2+&X4TE_?@,RAM(Y#R=F"E]OPU;_^8]N+A_T7VZ<[MUC5+<>K1V]6H5N@E[|\-XN!SGRMO1++;GT;#S:'B(/;FJ43'#O1)2ZU9.94-#*

MKF0%LMMQ;]EYT6=%RQ\!?EN45DD4!!-_M:NPYTPTZ,[L!3[J A\=3.[-U1TP MK9$R*A?T.,1C1O$A+9A8HDO[LWSV:1B|93K?B&S/E;AS)7YE.IWN7K$'&?KC

*M@SZ=.\.DAM'9DZ3Z.Z6O0K5T'4%#:I]B6U>ZU:I&+O M^.V1+I.VHI1V/-&TG MNV1JR84P3E1!]e=GJ[NT.[.,;)V!78A#95K-RRHH:*R!V@_E])L) _:"KD4G*

M_P%02P,$% @ UW0(6&ULK99M;YLP%(7_BL6JJ96V B8A29<@K8FF;>JDJB_;9R=< M@E6#F6V2|M_/!D+3A+H5VI<$@_Q(P')S/GJ

M7\S]2E#U^$UA*_>ND8FRY/S!-'I$,\!,)$QO M[68NJKFIU#H-SU.7[%_&>9GZ/ ^X2PAP<=\KE=OH"5EON5/'@I M=W7,-BMNL^+'+

[!F[8I1ZP;=.K.3+F1!5C!S]%:1(#;@1!_^*'WI2O4?S)[M$3%H(P8V]^@&S-:-02">O#;KE[5%6%F8;;Z)_!&>NIO]$-9A>H88M"$&UA":

M>]C%7:N&>]R!%9ZU:I&<@!;IN%/W&$7|I"#VS_@MCKWY Y;|O M[E$7=_B. M^:,8Z[^0>M=RCM[C'7=RC8VL\/VV.O?D'K?<68ROW70KZQ$T4B"[Z\1$]QH/#

*MU\4Z0$_\28I_L>-S11A*2E4*0,Q\4U%!GO31KCJ_K9/CU0B#\4$>ZX@I_C> M\QGH61-=@92(9D6I(-9'GEX8D*KSN/..POG@CWSL(8Q^M;Y]]$]U_Q_KH0D\0 M1?-*

*ULT2,DB5E5-'N$[#Q?'$H3/#A,G7TPCA\?CEK8G>O'#&UX"\BUC27&B31 M,N]\L=/U.55W5"[J"[4)5>ZWJDN4UV2@C =]/,$<{5KF**G+7*C?U!+_P04 M_" #7=*

*A9MQ?0*0@# "X"P &0 'AL+W=OYD*B)G=D.T'_MVPD9T#2#C2\0,_>)9!CWJ,%$/EF M1EF.A1RRNNZ&!2-:BBPE<,,0+_,N(VG2=*39C!J,!SN /Q4-PP.3(;ECC-*

@2"4$L1@-C8N|&$4/$ZX&< M2#[QC%0F3Y0^]\'7>&Q8:D&00204 Y9_"YA EBDBN8Q?-.?12"K@YO.:_4KG M+G-YPAPF-!M,8Y&,C7,#Q3##9223Q?*

*(+U/GT%5]$,ZY_T;**[5L&BDHN:%Z# MY0KRE%3_>%7[L_%P_#<_3@UP=@"V[P; K0'NO@I>#?#V5>C7_)VZ6>6NC9MB M@8,1HTO$5+1D4P_;?8V62]55$[9,*

[P>3;5,)$\!VDRQR=3D'@-./H'E;BQ-D'-M]!$]W$W1Z<-"1==4R(2CD(20]R" MGW;C_0Z*=-M$V M&\#5?&[G!FBK:H7SVG'J_AKR DQ[-

]ZW;,I<;.I[#&$%\#DM2QO7G6WIV2,,F47)(#E;;7IK4]]*8*#41[0D C$LH*T@%9]= MG5KU<5X5$L_RV0E=;)K=*7NHV?MIAD?2W#+2;XST.XW\44C_1+-.?*

*^9G|AJS>4]XM'XFI:S>0&X\5O6)U4#00C=*3U3(MDH_)K*U M!]8"Y/L9I6(]4)-LQ[\!E!+ P04_" #7= A99MAP,Y\$ /(@_&0 M 'AL+W=OQHU2B;TFVV'-*PDR4*

*MQ+,K."/(5%]S2;9L16?3=A!QE%*5QR)0Y(0_C*G,3M.+6R]'KB+MCNI#]BS MR9YLZ9K*^_V*]SV]I(110E,1L11Q^CBU;0%-@,=:D%WQ9T2/XFP;Z:8\/;D M=WX-*

*IY:C:T1CNI$:0=3?,UW0.-8D58^O!=0]R}3"\^U7>I U7C7F@0BZ8/%? M42AW4VMLH9_^DD,L[]CQ%UHT:*AY&Q:+[!<=BVL="VT.0K*D$*L:)%&;_Y-O M12#.!(I3+W*

*+@?M6,+@=@Z!>"?EO!H! ,V@]&A&4%X5C"Z(!@5@E$6^SQ86:0] M(LELPMD1<7VUHNF-S*Y,K0{J@2?:F*&^>E^=> M**^/EBR5.X\-*1AC3XPZT<&O:W:?@:_?0W*

W#4"?SND5ZCO])#KN(..^BS, M\B7A2HXORKWVI?=KY'|[TNODP;O;7HEEO^Q,_8S7-W:FNDZ1ZP;U.CU[WH@] MV=']I.9'0?DSM68__H!'SL]UCD#"/$B8#PD+@&

*5)P>EDP,3?;9@2:+F_;5D MFZ<>\]+G**1JO/?0BG*TUI-"#RV(V*$5B>I&\3S'8R?CZJO;\\RYW<2$D^S!63V3T3I/C82NGD+"/$B8#PD+S%$/*

*MZ,,50LZXAYJ>9L:EC^/O>P\TXKN:# GS(&$^)"P8-]W"*U9^+JW\;+3R=KOE M=*O&8FDCNDW8(95UMN6HT5D-7.SB-P\NQO*ZV@$)\R%A04,L*F9@Y[3F=(QV*

*MW-$-X^%R=&L{CIP0&D>*,T'I04-4<[F2-=IGB#O2%+(&Y$K)I+05%YVTFCO M[*0S0.E^,"TH"'LN9,M;G78/3GI.J]++!N@+_M#K$/2,L!:0$4*

*MK=H_3ID=_-[4#@;-[8#2/%":#TH+H&A50T\)'FS.\+19I9@1G:V%I'F@-!^4 M%C2$?DE>U$K%;3%]G[)*V)QO6^M]K%3,_L]6@"2-0F@]*"PI:VP4+/]6#L#%'MT6W)4K*

]S^E,_^V;Q5QB9U= LS^@M I'E5/3HD=;,XQ-*U;0+,ZH#0/E.:# MTH*&J.OILM6RY938P>;,3N.R!31S TKS0&D^*"UH"+LV4K^LO&BD??8>.Z%\ MFWUQ(-*

!&3WOY&]WR:/E5PVWV+O_-|3F^|?-O$TZ8_%.))>';*!4HH|*Z5Q=_MJ_F;YU\?Y#N2[;.WY0],2I9DFSM*0LKU!>K\(V/R=4<74'X#,OL/4$L#!!0 M (-=T"%F]_EDT Q4

*/]: 0 9 >&PO=V]R:W-H965T8VRY=)6?%8WUT5#WF:S#:#EHLKI=<;?2V3^>KB MY1/FN3"_^9"MR\5\E8:Y5*R?7RR3_ ^3E=9(\?+^2+IR?B^=0=?/GJ;E+*

*MOZ;E;P]A7OUTM5=F\V6Z*N;92LK3VX\7G^3W\6A0#]B\XM_S]+$X>"S5;^5; MEOU1_V#-/E[TZBU*%^FTK(FD^N=[^B5=+&JIVHX_=^C%OF8]\/#QDZYOWGSU*

M9KXE1?HE6_P^GY7W'R\F%](LO4W6BS+.'LUT]X:&M3?-%L7FO]+C[K6]"VFZ M+LILN1M<;<%ROMK^F_S8?1 ' RJG>X"R&Z \']!_84!_-Z#_?,#@A0&#W8#!

*MJ0.&NP'#4]_#:#=@=&[%\6[_^0*D]V R:D5KG<#KD\=(>)ESOY"\G7VT MMU\<K2IY:/\/7EIR-,ET_>X_+3+I>/OGH2%/.UT^VNLO5GG:!?+)^UU^*

*MVO'RT9Y_<X^3M6DS*Y^9!GCU)>O{]RZ@>;,-B,K_Y\YZLZ MM{Z6>??;>36NO-'^7,_+G](_U+1,YHM"^C7]4:Z3Q3^E7Z3?QJK2/_]V3^EO MTI54W"=Y6DCSE?*

3;:EX6[ZHG]\>_WF?K(EG-B@]79;4MM7@UW=75MW65%^K-MDI>MROM"TE:S=-8QWA2/[!\VWA./'TV/GAE^Q4!<%7MA/>4)[VQ&=%*Y:-MWUU*/?*

F=I/240<<&?1$/]Y*?4G\[NM\Q6GUM=%X5GVR&RQW#-?%P>[UZ&BY/-MNOYG$ _7TV^7DG+]XELW3AD^>?&]FR=L?+_W8G7KA(^N__)^LT^OWK7QSNG5

*MNX.[IU=7NOZ*_MI'Y_^U\QZ(AZOI5/C>P]/_M^EZ[!)PWOC%X?')^PX>;/Q MO_]*B$24TE,(S&=Q P2,TG,(C&;Q!P26_I*Y&S-'1 ?*PU^L]2U=RRT,2BT@LAK!6*

*MNH[WZ3H6INMOJSR=9G>K^?]67ZVK0\>'=%4DF[/GLE^1[FB=WU4%GFL^SKA/:GX70N2%)8BJ):22FDYA!8B:)621F MBV4A+8BZ)>>*_2[DG+;?K0Y2!-*

*$M^=BV1\,)B(BLF8,8:U4E7O[6*WGY473J?NYT_H+?CVMFDS_M7,_S[E058^2&*JJJ*:AFHYI!JJ9.ZUUFNW.RDL/R;P[7(7(V>%*:BIJ:.BFHYJ!*

M:N9.>_6$_(FOLT|\G7/BZUSTW7JHYJ-:@&HAJD6H%E-:,^R4)NP48=C%Z2Q=-M/FS.&55'DRJ:FHIJ&:CFH&JIFH9J&:O=,.#WC'_>'U\P0]?15\-M]$W01;?,0S4?

U0)4"U$M0K68TMKYV303R<)5]#>?ZLR2?U=&I5M_"IV66%])_M>^GR6YK_3V=ZHCU&]:BFH9J.JH9J&.BFH5J-JHYJ.:BFH=J/JH%]!:B6H1]*

M,.6UT[AI.JK;_8NW]';N!E+!2VHJJFFHIJ.:@6HFJEFH9J.:@VHNJGFHYJ-:_M@&HAJD6H%E-:.WB;'B99W,04[B<.OM83!^\D=UY%\6R[&'7[RW0U3=])_TX6

MZ\ZE_N(''9P>K7K|MI4G=F+|EFAFHJ[&JK]&:@ MFHE]%JK9J.:@FHMJ'JKYJ!:@6HAJT4Z;'&3OY'+X\'K_/W]OY;Y2A9W7VG+ MAT7V,TWW$[!2?*

R1WOO'4Z&.WQ0C45U314TU'-0#43 MU2Q4LU'-0347U3Q4\U$M0+40U2)4BRFM';Q-^Y[!0344U#=7TG28K!U^1>I>]WK,O209:U40U"]5L5'-0S44U M#]5\5

M0+42U"-5B2FM?!+_I!5/$O6#/3KD)YQG$U+DABVHJJFFHIJ.:@6HF MJEFH9J.:@VHNJGFHYJ-:@&HAJD6H%E-:.XJ;CC%%?N,\@X)VB:&:BFH;JNFH

M9J";B6H6JMFHYJ";BVH>JOFH%9[!:B&H1JL64U@Y>I0E>.\/RQA9:T4S"?N!W^UN;JB9HFAG&ZJ]:AFHYI!JJ9&:AFKW3#J_^-!F-CM9G.AVO*

*MD^7Q<6\PNG5>1U6EKRAC9?0\)M%&,U0+42U"M9C2VC'9-)I5#]\S+(BD*Z7/K1E;B4U-HWQ>JJ:BFH9J.:@;JF:AFH9J- M:@ZJN:CFH9J/:@&JA:@6H5L;>T\;OK#E-*

%;3TVA35^HIJ:AFHZJAFH9J*- MA6HVJCFHYJ*:AVH^J@6H%J):A&HQI;6ONEL&\EO MG)P8H>UKJ*:BFH9J.JH9J&:BFH5J-JHYJ.:BFH=J/JH%J!:B6H1J,.6U@U=I M@E?*

<"M<<_6;K5]M&9O9O+;EW^"7KLC<>MK]H?1'7/#MET28W5--1S4 U$]4L M5+-1S4$U%]4\5/-1+4"U$-4B5(LIK9VR32_<2-P+%R;SF32K+P;9W4JS=+I(

*MZNG@V2Y[.Z-6#'Y:WUU*BOQ.VDQC=![IHLUNJ*:AFHYJ!JJ9J&:AFHUJ#JJY MJ.:AFH]J :J%J!:A6DQI[0QNFMVJAZ+(C--IEI^;PF)RD\+R0)3"0N[\"8U*

M#=5T5#-0S40U"]5L5'-0S44U#]5\5 M0+42U"-5B2MNF\%5QGZ:EFI3)S8=E MFM^E7]+%HI"F]>70ZR('STIY>ENEM/S^DW)Q=?2\+K\WY((G3?F[V_6\)[_W M-\]?

-65O/CPD=ZF7Y'?S52$MTMMJ$WJ7X^&%E,_O{O<_E-G#QPOY0OJ6E66V MW#R\3Y-9FM43&V4BF+H6V+(484"L<&=L=#T>LE!FA<,>1*/,<\\T$,K8>6ZZU-*

*=R3))7:8(>C M-B?P /*QN.-J9CB$((-(.@:L7BN80I9\(I7&KK3D:QD3.YXR_[%;%=:%EC E&4_22S3L75E MH1B6N,SD/5M_A5]/23!BF3!/M*Y\^XZ%HE)*

*(EM=@E4%.:/7&+W4==@"*IQW@_MU0#O$!"\ O!K@/_6"$$-"-X:H5<#C'2[TFX*-\,2AR/:UHAK;\6F!Z;Z!]WJ*

M1:@^)P^2]U6B<#)\]PIS@10;HADK@("2:4TGD!G5F(#')1!==H,>'&>J<==$9 M(A3]2%DI,(W%R)8J 4UC1W6P217,>R68CVX9E:E0,6(6_"ST_C^";RMA#?J*

*MO:WZB?2\)%M)+Y'OG"/\8*62*9OA_MMV(K\GV>PIR>;O1+:W!4&S'<$I MJQ"[:A*$1BPU:F8$-VV?:@H^H9"MX15Z/K>R%/MEO?89^ON\Q-:I7^S[S*

M8Y\+]U/CLR>QUTCLG91XG20<$BP!+4L:$YJ@3L'9BJB/&RTV751@$B/)D$P!.M35E>8+HY1Q1D6R5ZQ^EY[D$ECGU<|[4QSZ# YIY2ZC!827LG2LY!YZ87BA0

MQ$HJJT^RLJ;M|MITF0/[Q\U.W1;[3+7G]HO^H:|Z^RWF":$"9;!4H9S+@,R>U$!VA^6L+?4$L#!!0 (-=T M"%D%=DI9K00 +,= 9 >&PO=V]R:W-

H965T(&$G//Y7+Z3?,'#+1<_Y I H8_KA,UNNE/FA-1ZNZ1)N07U9WPA]ULI1YBR&1#>(&+D7>%+R>D*

*M;QO2BZ\,MK)TC$5P|,\Y_F)/K^9LXX@9LGNFSYDA2@YX/8!!YQYD&,=@LPA2!/=19:F.:6*CH>`:Y$P MUAK-'*2U2;UU-BPQ;,Q50E]EVD^-OU+!Z"P"=)TH$"*

5>1/4GQ@E.SGT142K9@(35DD^C3 DVH M$(\L6:*KF&\2A:ZD!"7153)'_VH0%C%0**/>O2^7\VD$IJA_S55:!=2NSDD M,[:7_#&?_Z!N_Y?3?5R!%:I7I!7+

{"AC^^XHA&B:1V:$MUY M=U-O$|/JZ1FE>#:>7!M:W"3R3OT_0/$,Q"-7:!Z MG]H%1V"51#MYHIWSXW#'9?4<@56JU\VKUWT6AW?>G1(Y,=EC<),1"9KYVL#

*MZQT16%3JBK{CHH0G(4^4X%%DVLBREC>&WCLF]":C0Z'W\]#{1X\>^E^33JY> MHU!_(OBY8?H[M*M7#?]%8_&>-;.9>YG0PZ-9XWV!$N@<>.;@DIO IS+|\3=*

*Y;J8:F=U*S/01- M?]-Z&\'M:YS:*U=HU8H4 @N?H<+'3B66<]4L M*Y-]4J=[@\U'O N1A9^GLC+W"Y-]4J=[@\U'O Ns-T+B86/UUB:|C<"UI3-*

*$3SHETR9/,&X6H'0;S)"Z+M^EH:=_DZ5F2NT:H4* M;8;/4)QAI^K,%5JU@H4^P\]3:A?? 6DKG)^8U0-K5!HV"[1:O3_E#+]&(9;_M84_NCR.T:A$*K8?*

*[9\APIV+0%5JU@H42_,ARA56M1:#N"SX_HQ*D6=(56K6#ISS:K4G+P M2ILM4&9YIS^HC4*#41?C Z-0R#!BEV&U49AN_"F.KJ=WF@8@EH_V0;!BG]Q&*

*M1VC52A2JC]3/" [B&%)"-V M258;A8\'XK9/A'6)D_OI"'"U:D$((DMX93H13%>D*K5K!0D42^U^&#B:BO[>-*

M.-2;\^$DUFI%|_/+1*.VIF_,_#%4NF&QC!0OOY%ST]4V*W0[@47R=;K+- MN%(\3@!70.<@C(&^D=N*BM@II&PF&(NL@)}{$6N JI,UXS61:LLW6#0<2&Y(=85]*

MUQWCFI3422)C6_ D8]VL2@H+CD1;UX3_GD+%=K'C.0?#LMP44AMP$C5D \\@-MOS<+KG:X5\G+&J@H&44].8QCQU77P@J

*MR*16(.]WA1E4E192U_C5.3]J2TT\7A_4/YO852PK(F#&]H]E+HO8^>B@'-.D MK>22[.Y %\^=ULM8)$90M 1@FL]A!TAO-,#740#_/0R?WR!CU5,?6#^(,"I?U'P:TM'*'_(-_UPX'[S*ZG!T/A_)_W^3]I M/TE&T%JJUEA\-LW:HFHB$9Q(IJ10+X%ISD[1MO['X:2NPMQ=), MBLUO)'92@K O07A)/5E"P[B$'$FR1YQ(&*J#E?#LL] M? INX(W]\^'M<8;' M8:%W"DO/] 6GL/DPI,[O839>?-1D:N ;T!T%REA+I7V)O;4?(^F,!ZR3[W) MS!NPIVK@V/GP5]Y.JR?"-R45](*U,R<-&.^C'&PO=V]R:W-H965T[+]V M@/AE6 ND")V_D>?90<@7 ME0-H\KTLN)H[N=:[J>NJ-(>2JENQ XYO-D*65.-4;EVUDT"SV]DL7-_S8K>D MC#O)K%Y[D,E,5+1@'!XD45594OG? @IQF#LCY[CPR+;Y-@MN,MO1+3R'_KI[MD#AS.Y2,E< 5:Y6Q(V,R=N]%T/3'VM<$_#]J9$P,DVP.?NO@]QW" M7S@$K4/PV@AAQ2^ D+4.M34W89[G;@5U32927$@TE@CFAG4V:^],5^,&YT\ M:8EO&?KI9$TE9WRKR -(\I13">3W%6C*"O4'N2'*K*CC@W'R)1>5HCQ3,U=C M> /BIFVH11/*_T6H@-P+KG-%UCR#S,* &O:/[Q=I-UQ]X_<% X@X*>*WY+ M^Y/XGA];JK-\O7M@H_/_HJ_?'/TL&4$GA*#&"UXM!%N%&XS0CF'.M*G;T13F M#AY:"N0>G.3=;Z/8^V\+ [S7!5M<$6U\)[*P085>(< @]65#%4G*H3SC(;N@> M)![8A%?E,U9&;-J/T5:=!CBJ@*N*/&@+#\+?K,'A9+$]D!IR5(S7!94*;(@]2A+O/;QNDI?, 6*.M+W02QF%/EY6Q M,O:"H"<8B4<^*->BFQ8^-<3C0W+&P>]'+@GC58)Q8:F]9ZF,,/\Y#& -]OA-#'B0G0_11)?@!02P,$% @ UW0(6963X[R-.M @ TP< !D !X,"]W;W)K&ULK55M;],P$/XKIR AD,:2)ME I8W4 M-\00DZIUP ?$!S>Y-M8<,]A.V_U[;"<-W91U%>Q+8I_O>>[-N\G MR>8R&8A*,\IQ+D%514'D_1B9V Z]GK<7W-!UKJW 3P8E6>,"],=R+LW.,UDR M6B!75'"0N!IZHU<EM]I_"=XE8=K,%&LA3BSTZNJ]$?6(>08:HM S&O#4Z0 M,4MDW/C=<'JM20I\?. 9/(G832Q+HG BV_^Z7SH?? @PQ6IF+X1V_8Q'-A M^5+!E'O"MM$-/$@KI471@(T'!>7UF^R:/!P #$\W(&P X6-_ 0@:@#1J1;B M!A"?:N&B ;C0_3IVE[@IT2092+$%:,4-FUVX[#NTR1?E]IXLM#2GU.!T,B.2 M4[Y6,$<)BYO(A#=3U(0R!;>XTQ5A;^$=*'NB!KXV)BW03QOZ<4T?/D$?P;7@ M.E4W_JZZEY3>2:<@4,5\94 M^"GK251OM"A=JUT*;1JW6^9F>*.T"N9\)83>;ZR!]G<@^0-02P,$% M @ UW0(6?)MVMDG P ZPP !D !X,"]W;W)K&ULM5==;YLP%/TK%JNF3MK*-\FR!*D-3.NT2E$_MH>]#P[PX*4)]]A:8Z:XCA3W'$>Q-Z/NF^QX$F1EQ.J.XXQTNX 7Z7SZ@8J;5*&*>0L9ADB.)BHISK(W\H\07@ M>PP;MG./D,Y(8]R<5/U3]L$(1.-\&H"$:,8+U ,"N">6P$JR)8QT:P*T)A72V]%QOG M88[=,24;1"5:J,F;8O<+MMBO.)/GY(93\306/.Y>0X(YA&B&*7]&MQ1G&#!"&>B M*V+QB"$_"R'LX'N'^YHG[JVO$\QKT\QOR>Q1G*L.CG6(77W/"6KC*,@PG01446O)=L78-0]/ML;K>W>D.E*D/S",*VT=9UD?=:,:+\#I2M#ZT: MU3!MUZ;M@Z8OO5MT?P7I'.@#^H6:!W3[H,O_0=G7'L@^Q;P^Q?R>Q!]Y<>K< M./^I6CA!)]=/,:]/,;\GL49R!G5R!CU6BU++WOGOFIK5JA4=&%UK58]C&VT MJHF_CW',%ZGL4#8[/,:LCLG:N"@@78:'>\Y*U%M^.R!MN_L09!<MP<5B#A/Y;IVJ38S%$A/Y;NIGJT\..B(6W-?^BCJ=XOLV.OFR_\B7GP%78I-B MT>HEL!"AM+.!2 LM6^MRP$E>](YSPD4G6MQ&XFL$J 2(YPM"^!8@]3?-^YO M4$L#!!0 (.-=T"%D5@^\B20(-D% 9 >&PO=V]R:W-H965TVPGBUKHQI!X27SM>X[/N=:]V4.]>UTA&G@0O-9C4AG3G 6!+BH4 M5!_.+!FM[LI1*4&-#M0ITHY"6'B1X$(?A*!"4U23/_-YSXGC*R37_@N;/C@7+9E&1AR> [\,"6:*A3/-0HGS)@9%/ING\V. M-]W'#GC>T?#+8Q7:A1K9?D;!]$H_#C/M/_B6RGL;E0@N0E]GS:(ABY_((_M]YLQS/R/&ZZ,K//H-,R"]\.:3/3FCDR%G1V Z"$S_*G"II'B-Q/2/Z^/?%;Z8 MT@D,MAK/#;T+JE;,M@['I06%QZ;%K^EM/UNE(IQM M&BT7?6TPE/27813W+B]VCWU,+R^2=;Z(8O$Q5;+U?E __)B%=Z*SR+_LOJ8%K_UM\HL6HHXBY)82<7-N]Y[]6TP.B\;.)(Q M[TC<9SL_*^6J7"?)U_(79_:N-RB72"S$-"^)L/CO3ER)Q:*4BN7X5]&I;9]E MP]V? GW1SI_+%RER'F;A*%G]&LWS^KG?64V:B)EPO\D_)O2VJ%1J7WC199)M_ME?OJN8.>,EUG>;*L&A=+L(SBQ__#[]4+L=-.'3W30*L:,,NPVG5X/38!F=5@[-C&YQ7#M2+&US=,:/^XWMQ\T;6PSR\O$B3>A%MGU]X MY0^;:MBT+IZ_45P6[N<\+?X;%>9BIGP.T_Q!^2,-XRSW%W'1?/L^MN'=^\K72[MYQ;>,;ZYVO9,_+EU]WYNW?TCMKDW0-Y\\]B]=2[>B8I@N%VB!INO&'7(4KY MRR^>]CBY6&;_:5G.#X_NJ-TMT1OLU4X%>]ZQ9PG$^F=Z%W^_6_]9/#/ME(C M,9W$#!(S27B]$(]9K.-96(X8 M;8.$M-^N@P2)Z21FD)CYB$TV6'EH>'=Y.BF&^KO=VB<[M$G,(3&7Q#P2\TDL M@+!&{8^WM3^6UO[!95' N9+ <*/=A6NS^\TP);V]3<5M,"Q3Q7:33*!/**HVF MH]W I7C7 B Z'@P&S='5))Y<\@+!& M<4^YQ3V1%O>7.!7A(OIOL1._#:-8^7619-EO2K&/C^([D>5+$>=M52U5NU8U MB>DD9I"8 ^8B-=]Y9JKKWQK(F!^\^5=.,:S(\A7)(S#U<0TTI;2Z]=_B0R!4#6]*!3;76=RJ^Q0[S(8IOE;MPL1;E+K2NJO+3.O%M'14'U4N1SY-9 MJ3_E%\-' M.PPHK5FZ6EVZFK1T_WPZY90GV_/-LHJ5:ITKEM1T5#-0S:PTR=O*0CNT4$.D>FRH-D'T4Z+28$X>WF3'VAA?R'XLTFT>KUC$ 38VAFHYJ M!JJ9J&:AFHUJ#JJY],:AFH]J0:6IVN[1S^8)_GH<@64UBRV.O"FRA-O>W-OY7]*YPR< MO(?,=8>FX%#-0#43U2Q4LU'-0347U3Q4\U$MH+3F)4SJ)SV6GDX#$.@^GR?-P9ABE]5?2=J<(K<,_FH)# M-;W2Y-_6-=_^352S4,U&-0? 57%3S4,U'M8#2FN5=9^8T>6:NCKLV9O]/%XS+ MLG7KY=4^R-G.A8Z&Y[3#3):FGFFC\7ZIH[$X5+-0S48U!]5<5/-0S4>U@-*: MI5Z'[31YV*YC/%:N=:YP-&U7:,L5/AI.1N?[!8[&Z%#-0C4;U1Q4]U2DZ3 M7PWN\"S]\]^5^Y%3^/+N.P\(:)8.U0Q4,U'-0C4;U1Q4^/L< M+D1]09O6TD<#?:BFHYJ[:B.J6:AF5UKC$M+GX_%@[]-3!^W5134/U7Q4"RBM M>:.E.JHWE.9^=CX0R-;7632+PO3AZ;1]EBQ:3]K+R:YECFHZJAFH9J*:A6IV MI34N7+U_V.Z@7;HYJ&:CVH!I35KO,]>#8^:^%MU!C8?3;^LH;0_GR-G.=8ZF M\%#-0#43U:SAX>77U#)PN/\=&K17!]5<5/-0S4>U@-*:I5[G\(;R'Y]VL=RXM M=32'AVHZJAFH9J*:56G2G,"-=NF@FHMJ'JKYJ!906K/.=VZ0*@_AU;OT9)UG M>1C/REN^5(7>K/ZY6,R4ZX?R K1)FI=/W>Y0^MPP![_U3V!JKL'5396Z@> M!@GWOP>+=FBCFH-J[LLOAH=VZ*-:0&G-RJ!3=T-H(=\?Y.\!\[53&HZJAFH M9E;:=#=LH5W:J.:@FGO,R^&A7?]H%E!:LZ+KH-U0GD)SK&#YD"9?15I>ANXJ M25+,??T?YQ M24!UV:SO.D8WE%^2[GT>S92).I1/^-'$'*KIJ&:@FHEJ%JK9J..@FHMJ'JKY MJ!906K/ZZ\3<\/RU)OQHD@[5=%0S4,U$-0O5;%1S4,U%-0_5?%0+**TQ) (SJ MO-U(GK?]B1O R^6N8P*JZ:AFC [#: =74S71+BU4LU'-0347U3Q4\U$MH+1F MJ=>QNY$\=M?<^^]\RZ[K"0%Y/YT+'\WAH9J!:B:J6:AFHYJ#:BZ]>:CFHUI M:SQ:\/-UH M'3(.K\AVMO]A^I5\Z3J/!&@D$-5,5+-0S48U!]5<5/-0S4>U@-*:(T$=*1S) M(X$[W]9__#I?*K;CP!O)Q7@[\-1LYT(_O'Y;R[1 1SLU4,U$-0O5;%1S M4,U%-0_5?%0+*.VQTOO97(A<#_/P\F)9'&R+*!%89$45K^,|_%!OY]%B"N",+V-XDQ9B)NBJ\'):5&W M:70[W_Z2)ZMW/;6G7"=YGBPW/\Y%.!-I^83B[S=)DC_]4G9PGZ1?-ZMS^7]0 M2P.$% @ UW0(6:TO_22@!@ BH !D !X;"]W;W)K&ULM5IK;]LV%/TKA%<,*;#4(JEGEAAH(K7+L_)!LFX?BGV0;3H6 MJH?4UVW^-MNYC/]J6697'UIMBQ?'RS*?]C?-><%%F&5:F\&+HQYO+LBV=4UFC!5Q0O:,%%N.5Y/5$>>"E^#81<7QQO:.$G;I"<Q1Y)<CFJU"=? 746ST+&XR2M7]-S M/]$A1&>O7]-7*,G1[!MB7\7YNKJ<<]&\FFJ^ZAJ\;ALD(PU2]*'(^;9"4;YF M:R ^U,>[FOBY$'\8 ?(R M=$2_CK/G^#J/43(A:Q@?]2I@-M^,@(W\LLN&>[HN1)_CB8#Y]^$W!TRUE6_05EON6V8>YZR;NH=O&* M7V+YGH$/?AOI M-I'U!O&T""PW<"_G3\?C"J"H[=(A*E11%O4MX>P2(7AP/=H<(-1#H'D8V6 MY&V^^C*&SM*B$FO/IBPR\;&LIF$H/*6SCGNAN7(FFX E&-11U*NHHAE8RO(M!U NQ1:LVSWH=K6ZOR9ES"I'S:QO*(XJY_"? YL;D&Y75:3D6\7(D%"%V%@: ME@AJ"L-RO8-<3ROW@1>KS^?U-K]&(N'""^U2C2CVUBXXO*54QGB-+53&86)ZD M%0'YE@.+]0]B?:W8N()X2AI()=93M"[V2[[9I\ (HK8I\SBMANE8L>8J7*?QL M^ZI^'TOZ58P72&,4]AA.C[9MJ0\ 48_ ^H.#_F"'" K,ER|DFX:5G:$7A_'Z%/'UBV M9"6X>^K#IVZ?1ME"HVR1*;9A(HXL+_Z.)]4> 8(%'9;,#P' 08%_"12 .8WMD:\"]Z\9:SSC=|'1\@Y[8 M+I9W! CFV]B3]:LPXONNO"T ,&K[KCVBOK>T6.]I))N>CF^P&\]V'\#(^0P! M#':PK!H N6.9[QTNUEO<*=X'0V:3DO4"($_>_0"0H[@^"&3{(X)[:XOUWO$ M_X.\CZH8("D.B !%@@"#7]@7#O>+'>\!]D@C!@@FW'E@=!13G4#>114%&^ M8RL+'N"$+0N/E'>X]\)8;X;?LSQA8O_-V7.3<;TOTG)-WG!-LH5&V2)3;,.L M] X=!]_3%VG]_^0TF60+C;)%IMB&KRO[.H+HZPB=+^'!UMTX,FV"$))Y5%H" M0P"%1;$L[X\ S'.'$5- >I-.M.YRNB7]^(I[<8Y!(.^3(QX\GL""$8LZLKB M(9A-1NP!Z;TOT7O?R9:(-,44;0#(-D3 1CBRJ_]0-"(YMX$$[T)GF*)B&I% M UGL_T)" ") [XPC"C+SF(IWC)7K'>Z(9TK/#"Q ^?]HP1!2:(HH,$ USTCMR MHG?D)UDSHGKF/.#/2VW2BM^DW12DV_Y@S MK273DTS=ZXVRA4;9(E-LPW3T]0+QOJ,E(]IB9'.3;+*%1MDB4VS#/-7U#-'7 M,U1+]@VF'EZL#1&%IH@B T3# >]+%;+_-6&Z.U3?Z9)S_D)"81A2W&',.Q5 M?R0$89B,+-*TKP"HO@*8[[U?!/FH"FBT!119(!HF(6^0]'Z"F6*7Z5JG8!] MV;$"(-N3YE0(@%SE1374G&5[(_.NKT]HOBHYT;;JV:?,0D-$H2FBR #1,"=' M!W;T5=-)MK7C/CZ_<>XIBR*$PI;RO@"$4:6@ F$DD"?G_.A,6\;*Q^8P886: MF=:>9SK>H; \\V#4GZI8%YT76?-RR>,W*&B"^WQ0%?[FH&S@<^US\!U!+ P04 M_" #7= A90PHIOQ0# %#0 &0 'AL+W=O0$"" M4J#JSH+QA$@UY4M3!'S(/,EL8DMJV,?^.2M>%3,C L8L.AG-Y6ID^ :;PX*L8SEAVZ|0%.1HOI#%(OM%VSRVUS-0 MN!:2)05899!$-+^2AT^("L!VGP'@ H#_%^ 4 "LCTTB=$16 MD\0D)7';V(,;)0EJB@%:AL;\YNI>A!?_$)G P[ONJ&YMJ"0UACN5Y7AE62\XM MDW-,D_LR^83NKB"9 6_L0BOZI5WHB*Q6{%<6ZKV1,;TN)>F(K"9)KY2D]RIC MYFBOXCAL]0>NM6?,AC#;M;'=:,Q^F5R_W9A (U#-H; ELQA$]TM;]5[:DH[(M:E7[9=7^& [G4[U*2CLAJD@Q*20:O]/9,^C<+^P,;-'K6MQ_>] MU9K(?!]JT M@%??W[YE87_/ITUA?0_O&]6LG%'U!\(5XKM[#.1^NY4LEU^Z?K"K;&#VFI3:R6(- Q7C!1/>G36HB*@VK\>D5&,IX] AR924GY$3P@09,\YQ6_=] M@Q%8'C|=>QM6WL(#WF(RV1+,-7DG,LAV\3Y&7HG*VR65/?*-FNBM(D:[MZ*(-74.84:URY'BC [P; <>]A(95A(M^1 M^=LMFL;_X7^OD_3BKNSG]M>\PN]H"D,/+S'&M02O.3UJW8K=OPI>L^_F_S MJH>/]MJ@]+UP50?IH[8^<\L"'[4ID!-TUJO(S MQ=3$VX"?!$[RHHW,2G:,804,B44<#Z=80E4&]$M(W?K;,3(4WB M9?NI,_L6N7:]EAR4L.?U%92419CE:'Z*G[0K=WSW\+>-]ZYU_O_/O M6]W@? _SWV6SDPGXYV(WH,]A(Q%;"7*EC.HF#<9"XQQYRV)'#0;*&17VP)BNZ@$5!'$;]L*B# M16_!XCY8=_7[&'DW6'"'BM]B3?I8\15K[/E>/VO2L2.#K,<2=-TK%((@^XF!N M_\%" V=]VIF:#IOB"E-4XU=[!_J,3:\.U#CTPNF_)\JJ*"R^O_ 8D^81!0* MG>B-)GHS15/CFH]BM.TK.ZYTE;+-4O\60)@ /5]PKX=4ZJ?TWZ!U!+ P04 M_" #7= A9C@*4KW"_"'[!@ &0 'AL+W=O.,EEXK5+]PO=EU4*Y83WP/1. MPT6'E9Z*M2]I ;BV21WUPR!(_X3YI6Y7;L39%^FB^NYB;($Q!!0]912P?FQA"90: (6WC|U|3&Y$F\7#\IO[5U]YK M66$)2TY_D5]UA9=Y](8&;ZBZY[MOL*\G-GH5I]+ ^HMT0&Z<>]C92\6Z?K!UT MA U/_+(_AX.$,#R1$.X30NM[%F7- UCA,A=\AX2)UFIF8$NUV=H<8>9/>5!" M[Q*=I\HE[SJB]"DKB3"KT9(S1=@:6$5 HLL;4)A0B;97Z (1AAY;OI$Z3N:^_MTG2CX5=[TO5 "D^0OF_8!$?\)O@&X0P]/=R@RXNKOV5\;7ZL(!PK"U\]#\5 MN&P.S 7!0:]=&/ MPF5PD$BLA+EAVW*:A;F_=7!G(W=VE]M1L0LU9,4']'F0NE'QB(K?0R4N5'R$ M"H,H<[.2D96\QTI=K.2(%07IB2-,1U;Z'BMSL=)C5AK,W:QL9&5G68\MZ [;M*! N8G9,3+(X<2/G(W)^'LD5[JC'K_8FN;#SH]=REJ3)[!^L?]"+3%O_@<6: M,(DH- #HOF*3;MQA:Y3!1O+?M:<65;G9VV.JO"P@3H/<;SM7;Q'2\\7M5_@%0 M2P,$% @ UW0(6<>LZ+S' @ S0< !D !X,"]W;W)K&ULM55A,]HP$/TK5E9-K=0V(4" (,HA4Z*9M4B54U.VS20YBU;$S MVX'VW^_LA(RM(9.]I0OXI+MW\YXOY^E>]B>= QCR7'"A9UYN3'GC^SK-H:#Z M6I8@\&0C54$-FFKKZU(!S5Q0P? TP"'"*_H$QXR=3M+54RE97A3,!2$5T5!54O M<^:RJ,,&WF'C@6US8S?\9%K2+;S /)9+A9;?HF2I_*&9%$3!9N;=+#F[FL?5W M#M\8[/71FMA*C^6>-+- O,"2P@XL8B4/S;P0(XMT\(XT>#Z:4L;>#Q^H#^_MR=6.M:RIAH7DWUEF\ID7>R2##:VX>9#[S]#4,I9XJ>3;_9)IXQMX)*VTD443 MC P*)NI_^MSH\ M?S> (@@\]U8W:ZD9]Z,GB#35 9 >&PO=V]R:W-H965T M*#)M"ZL/5Z*3"= _?7TI6+'/$,/;NV[F8^$-\CF2]UJ'>0Y_KYZ+\K=H((;P,.X/6%^V2]D?4+P_GU-E]+ M!R&_;>]*]6QXH"R33.154N2D%*N;P;USQ=U9/:#9XA">)<'Y.'U/Z4!Z+XK?Z MR9?ES6!4[Y%(12QK1*3^/(F%2-.I/;C/RUT<(A9#SQ^_$H/FX-7!_,856)1 MI/],EG)S,Y@.R%*LHETJ[XMG+MH#&M>\]N$BXYG_RW&X[&I\X5\DB:P>K/25EOK6CU@T80S6AU"I.\UNZ#+-6[B1HG MYXLBRQ*IQ"@K$N5+LBARF>1KD<>)[,@'7\@H22ORJ_@N=U'ZD?S\TI]2=>+^0 M)"=?DS15\]NNAU+M2(T.QFW0Q3XH?2.H2[ZJ.)N*!/E2+ WC_OXR7OCF7V\ M0RV H?H$#Q\C??T8/U,K\4%L+PB=?2)T1%WR[<$G'_[TT?3!V#%_V>47Q!TU M&,^"\4_'V/8FP.Q-B-D;9L?X(E88YUT,/^>@@F_WY$.KZ8\6';B'KY/;T-W? M\W4RI.SG/$J:*86:T9 XVM.3 G6=KG9EE,>"I$GTF*2)?#') MT(H^5X9(F(^$!7O8I(^5L[G^9\=Q_5&S;_KX=.ORI^\&1+&03!-9>.#RL96 ME:G)K$Q%? 8$CV^BE^1MEQ2Z7)E594>>J:MP[=V-J.&\^,FBPAXW?"QHB@S(D MC.]ASO$A>!?3P^YK(I<<1#"QBB#^, M.-[(F[I{2##!B>'#9%A&1+&03!- ,I<'R5S:L].K5HJ5NN7-Q7/TF JB'I3K M%Q*78ID8KR!6Z+G20<)\)"RX-*C+>)U!1F5(& ?!-'%-#^:*;(J['5MBYHHJ: M+@QC4V)"A@U.#ALBPS(DC(- @FF1F!\G,K)*Y%Y4LDU@*=8\659M/Y&|%'N]* M=6DR7H>LL'.E,^N=.V_BF12#C!J<&C5$1F6SW]S-\V;>N!>5@Z)J8G!&G0LV MLLJ!B3P1Y+YQNTBPSTK_^BJR1U'^VZ0'._^Y<04!J/1060&DAE,;@-(ZBZ1(`M,F(=K'74\E :-)*'V TD(HC4%I'$?3-4@[#5+K9?!VO2[%.I)J+B7*IC!6 M.T>/A9)CL9.55+I4DC2*T0H^6XRTEZRH8TR1T+C!R7%#:%P&I7$431=19X$[M5IMS'M1U236W2N0[.13J?4-I/I060&DAE,;@-(ZBZ=+K+'#' ^=0J/$-I?E0 M6@"EA5 :@](XBJ9KL#/(';M#*?J898;>=+K<"^8>W0B6O,G%"C_/3 (30P@](X MBJ9KI_/5';NQ?NR2']=1\7TK\NJ-2QC47G<,1O=L9M3/I'=K[QB+(X&!Z7E& MK\K I)Y1 QZU!Q%TT[!YXT[=G/\WFR(5_;I$!O:A)*'V TD(HC4%I'$?3 M==C9ZX4/'V"6NE0F@^"E!5!;"%4Q*(VC:+H%.U_>L1OSOI-0:*>>K<2+63YU MC$FPO^XTI@#^QL:TVIHV-"AIK3*H(?,431[^61GP%.[?_YSIKL[*///;U0 MF@^E!5!.'"4Q*(VC:+KB.K^=@OUV"O7;H30?2@N@M!!*8U .1]%T#*79^.[7[M[;^6T5*0*([K%715O:*NSG9&\4'|=6KPN4?&! >-&YP<-X3&95 :1|%TT73^ M.K7[ZWO1W+Z*YE[$(GE]9DG6# !UVZ$'TH+H+002F-0&D?1=-"%V:CL%N^T4 MZK9#:3Z4%D!I(93&H#2.HND:[-QV:G?;;ZM*U)DS%VI M%.JX0VD^E!9 :2&4Q] TCJ++I\NLJ /02G$]A[C^4YD-I 9060FD,2N,HFJ[! MSOVG]E7T?RR50BL!M+ ^\? 6L.I%"\ )2H(30@[(XBJ9KJ'/OJ=V]__MJE<2- M=R\WZAY5R]+.0@MAM7^O5-2^_B#K0)8;JR9=4 8]D*W22_ZKIV2I9-A?"'!9A MJ_>.?GUXNRI@%.I$U54/+ E":#Z4%4%H(I3$HC:-H^@_\NTJ%.*F:A=:NX#2 M?"@M@-)"*(U!:.1Q%TS78U2Y=<.W5"5;6,BO%D\C? M$!.T*.'VBP-3XR_\VPVUE6-$?1]%-\U*[& M7DM8M&U"OAS:A*CTMHUR^\H,_3L\XYM6X/M6X-M7(/M7(-M7?/_]"6X72W! M!=<27&@M 4KSH,0 2@NA-.:E<11-UV!72W#MM80_U$')SCY;CWU/?V),A=!* M@B&J8\Z6T$("E,91-%U$72'!?6<)?]L5J5@=*%*4=%RI)=9M0-M)@ I?E06@"E MA5 ;<_I_/!@[ILDG1\75Y=45"MSW?BI0Z7TK%F[WK;"CSI96OTG-V%C=A(8- M3@T:0L,R*(VC:+HL.F??M3O[/=`8FYW8.6?KIN^JO]'N!!HW.#E=

&.GI\[<14METKG:@YD/6Y8CSM99}21=H-48QJ"N4/>QM.I]^/ MQ?$CY_0'^\ZI>*=#,!E7^=4+YDT&&H%6D:}(SSONLYHZHI5I4*%LIBBN&+ M*TP"0;L!V%\H9>\K+L]HTLKI'U!+ P04 " #7= A9@0="T)D# #-&0 M#0 'AL+W-T>6QEXJ0QRPY/S,,1WTL]^RNVI/L4?ID\PG#@E0'T9[L9(%E=CGR_G.Y^-C!ZN] M7"XXO9I2*]UYS).\;T^ES-X[3CZ>TICD)VE&$X5$J8B)5%TQLDLOHAE;HW362+[MMNN;);^?0[5U3^U+;,]{,",+8=(^G9#J0G+9O781BUOQ/U%F,.N+,;Y]VB M4? +NCN3;V5'Z8)U^Z7"HV"KO0\2YTS(XUYZHFVL>TN/|+Z1T:F1K\73:.Q&? M;*-&9{GCF9M(I%_R@%Z5)O>X] M6QM49!)3ZY;POCTDG(T$ Z^(Q(POM+D-AG"#4V%)M>$H*2Y8\CL-N]H'>U') M$[,D%45L'4%_C\K'-X!E#P0RSBN!L"^]8=#+B)14)!>J4SQ<&)] 5MF^7F1* MX420A=L^LVN'XJ;"C%(14E'O? _;2-.AQ&H$_<\!!CRS]K&DJ MV)V*!J4R5@8J;.N6'LG&J%98?@F37="Z7Y32/<,WM!FK^MWF>T(0*PE=%J]K? MYRR_6+'7>2W)Q;ZR*=BHL? SQM>\BSYH@TMJ_D5ZP_QK+G\'[+K+;!)%-F.[. MJ^WLSQ'I-D%DNPDBO2;(,,);L,.?,T6G/$*LG%/63BF5U8+38-_^"N=.7@>U M1C(&)4O*WI2%(4V>'%84O20C3M? YU?,AC%[Q'MQX'SG+]Y13_P-G\ =02P,$% M @ UW0(69>*NQS $P(L !?3T\$MP>:4#M.*2VBZD8 M_1!2:5K5N %(MB6/:(M7~>=I3W;+T]!;X"O.DQQ0FE(2S,.\W2? S+W\PPU1>5*(Y5;&GC3Y?YVX$G1 MH2)8%II%R=.B';5 'CBP]YTAVOCR5ZN=]6?YDS{N\T*>];54]?.[W=;85.Z[M*A]$83Y9EVK'*_-6;? KZ00F^TELAJEW>]P:#J+_CLNA]_7(\UUSU[3=E);)* MEH4Y6!^XD^))__=Y_98]2BWO92ZKEJ-<_]<]-A.%G(G?XG5:6_08WI;/EV6 M2OXJBXKGBTR5>7[;&QX^N!.JDMF;PXL:WW("<[]*!.>%:*ETU M+9K5<\/X*$SCP[M]55[(O!)]S"OQ397[!UELZM.8,]&WOD83A^/K(8B?U?!) M8[E>RTR.RVR_$T5UB*.2>0U8Z*U\T#U6\)TX[1V:,%ZLV*2H3)#8M#B*H?HLS0=]NFK Z2#/9S>+V=5I%I.QNQL=#6Z.9^PQ>5D MLERPD^\VI <@O0XA?W@6I \@_0^$7"S-R_7DQ@#.+MAL/KFU(, &70(Z40R M!)!A9Y#GL^NY!1D!R*@SR,G?WZ<69 P@XPXAG>Y. &3277>/%I<69 H@4UK(M,ZZE9N6:S970IFG3HIG9S_9:.I/Y ,WF_^)82?O7SDN6FO/S6@ MMT+;F% ZQ-:9%H^F@4D*7"2DF"&Q8VZ%0=H+$Z6LW!3RM;&16(;$9AEEIBMU M@Z2;GAQ+G9EL2AK>%9O9F$@M0V*W7"'IV!W/31"O!==[)>H?<#H8265(;)6Q M4&8\U+FBR<)TI?9OZ)!-AL0ZF55;H=A(;^$R(7D,B>U1CU)=O0D34L60V!7? MRG+U)/.\&0:'F$W-9%QL:@XVLC&1+(;$MAAEF:K'YN39G$0+;>&>]Y6RLVID M"X_8%E=FF#HSL(>DX!%+H196]6+3P)*#V =W7$E>7U3F^A+&^=7O$L!F0U+P MB*4P+;)R)]B2/[L]B S@$1M@PE5AJFW-YN9"7VRY$C89FOP]XLG_MCYH!N2< M*U.%+Q4O-&_6-IS8(0%XQ)HTDBA-5N(3;-JT+Y4X"$A>-3E1+G;R8,0FAGM MO$E"-J+(W$3.0XKPB!4Q%O>5S8(\X!%[P"23ID'^PJ9;USXP7BCW3I&\^LH-/O5'%*AMW#0AIPR?6AE79 ML)-E+1#]A\T&%ZB(E=%2XK0R(H7XQ J!M8[;S<@G/K%/WJEUCN&T,9%4?&*I MM-<\K9V.O.(3>\4N?EKAD$]\8I]855 K&_*+3^P76 XYHR5 ?@F(_0++(1<3 M*28@5LRA'&KKY I)2!6RJ$N:L5"-@F(;?)>@?0;U.;$&QI$0K'KI-88(HT$ MQ!IY6S"U(B*%!,0*>;]R:E!M3*20@%@AJ'PRH#8FDDE O=>!*BAV8F,BKP1= M{G.XVX3(*V&7NQT_?!L3>27LM'0);$SDF? C2Y>QJ+C,G6DH1+8)R9>[WL*Q MI7BN]CQW()%K0F+7M!98;9&$F^OD2V'O0[*A@XF\$Y)[!V!Z#B;R3DCL'8CI M.YC(.R&Q=W!9[P=CQC8F,E!$;*!WEWP.H]W&1 Z*NMF%/V ZJ5N$+;!1UM8#68-H34@1O\NIH M >WW#&]C(@M%Q!:"F&ZG(PM%Y%LS"/I=&2AB-A"[G)D:VH4(_W$Y-LUUHID M2WH9(^G$'W!KUVNX5[%#LHF)98-73.U+,$:RB8EE@S'M1"A&LHF)98,Q[40H M1K*)B66#UY^=3D>RB8EE@S&=3H?W%!+YKA,WC;S(+O$Q'9YQ? 5JTD%"B8F% M\IK,*5\3D)+D0^X @RLJ";)))\B'WA+5>;PG22/)!>S(H;L@?26>;,PVQC8G\ MD1#[V*ZSR<@?R3$_G#WD-JN1;2-A%@;;9M(;8S(&0FQ,P"C.T\G\$$48H,@ M2C/";4RDDX3\KK+WM^0.KH69(K>DQ&Z!F,[@3I%B4F+%8$P[.4R1<5)BX^ - MSK&-B<23$HL'8KJ=CL23$HL'8SJ=CL234C\)B;,+W6@B Z74ST)"3">;2$)I ME[5Q]' ^G<5WMI^G\HZ['S;X[MN-# M?^Y.EV^V_7!LI\MRV-7G=O/>[KK:-DVLA_L9U=/C_Y^Y^)_7,[MNE^ M|HO?Q^XT_6-P_;JE@ZP$V>6#G 2YY8.\!/GE@X($A>6#H@3%Y8.2!*7E@{($Y>6#B@25Y8-_MHS(V@*09U@"MC7)M %X;!=L Q#9*M@&8;11M U#;*-L&X+91N U ;]-T&X#= M1O$V +VMZFT!>EO5VP+TMK,_VP"]K>IM 7I;U=L"]+:JMP7H;55O"]#;JMX6 MH++5O2U ;ZMZ6X#>3O5V +V=ZNT >CO5VP'T=K.')0"]G>KM 'H[U=L!]'-J MMP/H[51O!]#;J=X.H+=3O1U ;Z]Z>X#>7O7V +V]ZNT!>GO5VP/T]K.'W0"]-MO>KM 7!U=L#]/;JMP?H[55O#]#;J]X>H'=0O0- [Z!Z!X#>0?4. -V#ZAT M>@? 5.P#T#K.7E0"]@^H= 'H'U3L] ZJ=P#H'53O - [JMX1H'=4O2- [ZAZ M1X#>4?6. +VCZAT!>D?5.P+TCK/-)@"]H^H= 7I'U3L"](ZJ=P3HG53O!- [MJ=X)H'=2O1- [Z1Z)X#>2?5. +V3ZIT >B?5.P'T3K/-@@"]D^J= 'HGU3L! M],ZJ=P;HG57O#- [JJX9H'=6O3- [ZQZ9X#>6?7. +VSZIT!>F?5.P/TSK/-MW@"]L ^J= 7H7U;L]"ZJ=P'H753O M"[J-X%H'=1O0M [Z)Z%X#>1?4N +V+ MZET >A?5NP#T+K/#.@"]33_KO.=?H_3YZ$;,T5?ZUG =VH]7>[M;K]_77Y= MG!T1;JY U_<9XI-?4$L#!!0 (-=T"%F%GR=*6 (,,X 3 6T-O M;G1E;G1?5'EP97-=+GAM;,W;RVI,.!"%X5?O2R@5HD1H-7*#_OH)-KCT\93UC:HJEKZRK&]>QA:'Y+63\GI/"DLL?OV\E? MQ0U)IF;">:7/ <_GOCZX>6X;M[JMYO"EZN.N[-AE/CQVSJ?G2[S1X[C;M;5K MQOJ^CT=2/\VN:OS>N=!WZ5/1J_/)(=ZP>_K,+\Y?RIP+C#MOYW'R<6*S>W_< MRTA.I]=3+.3FT)Y_Q=?$6/KB]W.G.3>N^&UL4$L! A0#% @ UW0(63W#CD7N *P(!$ (! MKP &1O8U!R;W!S+V-O&UL4$L! A0#% @ UW0(69E&PO M=V]R:W-H965T&UL4$L! A0#% @ UW0(6?M*[6:Z" M'RL !@ (";!@ X 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ UW0(6;J8(-[= -@ -0@ !@ M ("!V24 'AL+W=OPH !X;"]W;W)K&PO=V]R:W-H965T&UL4$L! A0#% M @ UW0(6:3ENA*9 @ -<08 !@ ("!X#X 'AL+W=O&PO M=V]R:W-H965T&UL4$L! A0#% @ UW0(689D 22D @ W@4 !D ("! M?ED 'AL+W=O&PO=V]R:W-H965T 9 M " @0AI !X;"]W;W)K&UL4$L! A0#% M @ UW0(69@ZXHS-!@)!$!D ("!%'0 'AL+W=OD# 9"0 &0 M@(%OB0 >&PO=V]R:W-H965T&UL4$L! A0#% @ UW0(6??:CU'F! & P !D M ("!I) 'AL+W=O&PO=V]R M:W-H965T&UL M4$L! A0#% @ UW0(66%S:^9L @ @P4 !D M ("!6]$ M 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ MUW0(6:N>VC*!]@)Q$!D ("!3]X 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ UW0(6<,P/Y9Y @ 8P4 !D M ("!G,@ 'AL+W=O&PO=V]R:W-H M965T&UL4$L! M A0#% @ UW0(6&PO=V]R:W-H965T !X;"]W;W)K&UL4$L! A0#% @ UW0(M661QK_8*! [@D !D ("!F^$ 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ UW0(6>1#:$!] P 9P@ M !D ("!YNP 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ UW0(6<]0SEA! @ #@4 !D M ("!SO8 'AL+W=O&PO=V]R:W-H965T M&UL4$L! A0# M% @ UW0(69.0S&9Z! "@P !D ("!-_\ 'AL+W=O M&PO=V]R:W-H965T&UL4$L! A0#% @ UW0(6:&3 M;3V^ @ %@D !D ("!'PX! 'AL+W=O%1T#<" #W! &0 M @($4$0$ >&PO=V]R:W-H965T&UL4$L! A0#% @ UW0(6<82TOLT @ ZP4 !D M ("!8Q8! 'AL+W=O&PO M=V]R:W-H965T&UL4$L! A0#% @ UW0(620=*#/: @ ^0< !D ("! M%2@! 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% M @ UW0(6=?\]=\|! "A, !D ("!"C(! 'AL+W=O&UL4$L! A0#% @ UW0(64+"0A3& M$@ 2&PO=V]R:W-H965T&UL4$L! A0#% @ UW0(67_]Z/3E P +QP !D M ("!0UL! 'AL+W=O&PO=V]R M:W-H965T&UL M4$L! A0#% @ UW0(6> "OG4" P R0D !D ("!X6@! M 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ MUW0(626[8*[O @ @ @ !D ("!IW,! 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ UW0(67,]?:E> P M6! !D ("!NWX! 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ UW0(61:C/<@B P R@L !D M ("!O(@! 'AL+W=O&PO=V]R:W-H M965T&UL4$L! M A0#% @ UW0(6;<7T"D(P N L !D ("!*Y(' 'AL M+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ UW0(M6?IO),C+ @ P @ !D ("!>]! 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ UW0(6>H%N+Q8 P E@P M !D ("!^;D! 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ UW0(6?)MVMDG P ZPP !D M ("!-,,! 'AL+W=O&PO=V]R:W-H965T M&UL4$L! A0# M% @ UW0(6:TO_22@!@ BH !D ("!O=8! 'AL+W=O M&PO=V]R:W-H965T&UL4$L! A0#% @ UW0(6=L8 M]IUC @ = 8 !D ("!\>,! 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ UW0(63E,;\'X" 'EX !D M ("!,.P! 'AL+W=O&PO M=V]R:W-H965T&POP8 Y! / " M 6O] 0!X;"]W;W)K8F]O:RYX;6Q02P$"%_4 " #7= A9PRL?/=8" #' M.@ &@ @ $3! (>&PO7W)E;'.O=V]R:V)O;VLN>&UL+G)E M;'-02P$"% _4 " #7= A9A9\G2E@" ##. $P @ $A L!P(6T-O;G1E;G1?5'EP97-=+GAM;%!+!08 ; !L *P= "]"0(! end XML 113 Show.js IDEA: XBRL DOCUMENT // Edgar(tm) Renderer was created by staff of the U.S. Securities and Exchange Commission. Data and content created by government employees within the scope of their employment are not subject to domestic copyright protection. 17 U.S.C. 105. var Show={};Show.LastAR=null,Show.showAR=function(a,r,w){if(Show.LastAR)Show.hideAR();var e=a;while(e&&e.nodeName!='TABLE')e=e.nextSibling;if(!e||e.nodeName!='TABLE'){var ref=((window)?w.document.document).getElementById(r);if(ref){e=ref.cloneNode(!0);e.removeAttribute('id');a.parentNode.appendChild(e)}} if(e)e.style.display='block';Show.LastAR=e};Show.hideAR=function(){Show.LastAR.style.display='none'};Show.toggleNext=function(a){var e=a;while(e.nodeName!='DIV')e=e.nextSibling;if(!e.style){}else if(!e.style.display){}else{var d,p ;if(e.style.display=='none'){d='block';p='-'}else{d='none';p='+'} e.style.display=d;if(a.textContent){a.textContent=p+a.textContent.substring(1)}else{a.innerText=p+a.innerText.substring(1)}}} XML 114 report.css IDEA: XBRL DOCUMENT /* Updated 2009-11-04 */ /* v2.2.0.24 */ /* DefRef Styles */ .report table.authRefData{ background-color: #def; border: 2px solid #2F4497; font-size: 1em; position: absolute; } .report table.authRefData a { display: block; font-weight: bold; } .report table.authRefData p { margin-top: 0px; } .report table.authRefData .hide { background-color: #2F4497; padding: 1px 3px 0px 0px; text-align: right; } .report table.authRefData .hide a:hover { background-color: #2F4497; } .report table.authRefData .body { height: 150px; overflow: auto; width: 400px; } .report table.authRefData table{ font-size: 1em; } /* Report Styles */ .pl a, .pl a:visited { color: black; text-decoration: none; } /* table */ .report { background-color: white; border: 2px solid #acf; clear: both; color: black; font: normal 8pt Helvetica, Arial, san-serif; margin-bottom: 2em; } .report hr { border: 1px solid #acf; } /* Top labels */ .report th { background-color: #acf; color: black; font-weight: bold; text-align: center; } .report th.void { background-color: transparent; color: #000000; font: bold 10pt Helvetica, Arial, san-serif; text-align: left; } .report .pl { text-align: left; vertical-align: top; white-space: normal; width: 200px; white-space: normal; /* word-wrap: break-word; */ } .report td.pl a.a { cursor: pointer; display: block; width: 200px; overflow: hidden; } .report td.pl div.a { width: 200px; } .report td.pl a:hover { background-color: #ffc; } /* Header rows... */ .report tr.rh { background-color: #acf; color: black; font-weight: bold; } /* Calendars... */ .report .rc { background-color: #f0f0f0; } /* Even rows... */ .report .re, .report .reu { background-color: #def; } .report .reu td { border-bottom: 1px solid black; } /* Odd rows... */ .report .ro, .report .rou { background-color: white; } .report .rou td { border-bottom: 1px solid black; } .report .rou table td, .report .reu table td { border-bottom: 0px solid black; } /* styles for footnote marker */ .report .fn { white-space: nowrap; } /* styles for numeric types */ .report .num, .report .nump { text-align: right; white-space: nowrap; } .report .nump { padding-left: 2em; } .report .nump { padding: 0px 0.4em 0px 2em; } /* styles for text types */ .report .text { text-align: left; white-space: normal; } .report .text .big { margin-bottom: 1em; width: 17em; } .report .text .more { display: none; } .report .text .note { font-style: italic; font-weight: bold; } .report .text .small { width: 10em; } .report sup { font-style: italic; } .report .outerFootnotes { font-size: 1em; } XML 116 FilingSummary.xml IDEA: XBRL DOCUMENT 3.24.2.u1 html4454201true1220false9 falsefalseR1.htm001 - Document - Document and Entity InformationSheethttp://www.genie.com/role/DocumentAndEntityInformationDocument and Entity InformationCover1 falsefalseR2.htm002 - Statement - CONSOLIDATED BALANCE SHEETS (Unaudited)Sheethttp://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnauditedCONSOLIDATED BALANCE SHEETS (Unaudited)Statements2 falsefalseR3.htm003 - Statement - CONSOLIDATED BALANCE SHEETS (Unaudited) (Parenthetical)Sheethttp://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnauditedParentheticalCONSOLIDATED BALANCE SHEETS (Unaudited) (Parenthetical)Statements3 falsefalseR4.htm004 - Statement - CONSOLIDATED STATEMENTS OF OPERATIONS (Unaudited)Sheethttp://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFOPERATIONSUnauditedCONSOLIDATED STATEMENTS OF OPERATIONS (Unaudited)Statements4 falsefalseR5.htm005 - Statement - CONSOLIDATED STATEMENTS OF OPERATIONS (Unaudited) (Parenthetical)Sheethttp://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFOPERATIONSUnauditedParentheticalCONSOLIDATED STATEMENTS OF OPERATIONS (Unaudited) (Parenthetical)Statements5 falsefalseR6.htm006 - Statement - CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (Unaudited)Sheethttp://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFCOMPREHENSIVEINCOMEUnauditedCONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (Unaudited)Statements6 falsefalseR7.htm007 - Statement - CONSOLIDATED STATEMENTS OF EQUITYSheethttp://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFEQUITYCONSOLIDATED STATEMENTS OF EQUITYStatements7 falsefalseR8.htm0071 - Statement - CONSOLIDATED STATEMENTS OF EQUITY (Parenthetical)Sheethttp://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFEQUITYParentheticalCONSOLIDATED STATEMENTS OF EQUITY (Parenthetical)Statements8 falsefalseR9.htm008 - Statement - CONSOLIDATED STATEMENTS OF CASH FLOWS (Unaudited)Sheethttp://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFCASHFLOWSUnauditedCONSOLIDATED STATEMENTS OF CASH FLOWS (Unaudited)Statements9 falsefalseR10.htm009 - Disclosure - Basis of Presentation and Business Changes and DevelopmentSheethttp://www.genie.com/role/BasisofPresentationandBusinessChangesandDevelopmentBasis of Presentation and Business Changes and DevelopmentNotes10 falsefalseR11.htm010 - Disclosure - Cash, Cash Equivalents, and Restricted CashSheethttp://www.genie.com/role/CashCashEquivalentsAndRestrictedCashCash, Cash Equivalents, and Restricted CashNotes11 falsefalseR12.htm011 - Disclosure - InventoriesSheethttp://www.genie.com/role/InventoriesInventoriesNotes12 falsefalseR13.htm012 - Disclosure - Revenue RecognitionSheethttp://www.genie.com/role/RevenueRecognitionRevenue RecognitionNotes13 falsefalseR14.htm0121 - Disclosure - Acquisitions and Discontinued OperationsSheethttp://www.genie.com/role/AcquisitionsandDiscontinuedOperationsAcquisitions and Discontinued OperationsNotes14 falsefalseR15.htm013 - Disclosure - Fair Value MeasurementsSheethttp://www.genie.com/role/FairValueMeasurementsFair Value MeasurementsNotes15 falsefalseR16.htm014 - Disclosure - Derivative InstrumentsSheethttp://www.genie.com/role/DerivativeInstrumentsDerivative InstrumentsNotes16 falsefalseR17.htm015 - Disclosure - Other AssetsSheethttp://www.genie.com/role/OtherAssetsOther AssetsNotes17 falsefalseR18.htm016 - Disclosure - InvestmentsSheethttp://www.genie.com/role/InvestmentsInvestmentsNotes18 falsefalseR19.htm017 - Disclosure - Goodwill and Other Intangible AssetsSheethttp://www.genie.com/role/GoodwillandOtherIntangibleAssetsGoodwill and Other Intangible AssetsNotes19 falsefalseR20.htm018 - Disclosure - Accrued Expenses and Other Current LiabilitiesSheethttp://www.genie.com/role/AccruedExpensesandOtherCurrentLiabilitiesAccrued Expenses and Other*

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Disclosure - Accrued Expenses and Other Current Liabilities - Schedule of accrued expenses (Details)Sheethttp://www.genie.com/role/AccruedExpensesandOtherCurrentLiabilitiesScheduleofaccruedexpensesDetailsAccrued Expenses and Other Current Liabilities - Schedule of accrued expenses (Details)Details76 falsefalseR77.htm9954512 - Disclosure - Accrued Expenses and Other Current Liabilities - Schedule of accrued expenses (Details 1)Sheethttp://www.genie.com/role/AccruedExpensesandOtherCurrentLiabilitiesScheduleofaccruedexpensesDetails1Accrued Expenses and Other Current Liabilities - Schedule of accrued expenses (Details 1)Details77 falsefalseR78.htm9954513 - Disclosure - Leases (Details)Sheethttp://www.genie.com/role/LeasesDetailsLeases (Details)Detailshttp://www.genie.com/role/LeasesTables78 falsefalseR79.htm9954514 - Disclosure - Leases (Details 1)Sheethttp://www.genie.com/role/LeasesDetails1Leases (Details 1)Detailshttp://www.genie.com/role/LeasesTables79 falsefalseR80.htm9954515 - Disclosure - Leases (Details 2)Sheethttp://www.genie.com/role/LeasesDetails2Leases (Details 2)Detailshttp://www.genie.com/role/LeasesTables80 falsefalseR81.htm9954517 - Disclosure - Leases (Details Textual)Sheethttp://www.genie.com/role/LeasesDetailsTextualLeases (Details Textual)Detailshttp://www.genie.com/role/LeasesTables81 falsefalseR82.htm9954518 - Disclosure - Equity (Details)Sheethttp://www.genie.com/role/EquityDetailsEquity (Details)Detailshttp://www.genie.com/role/EquityTables82 falsefalseR83.htm9954519 - Disclosure - Equity (Details Textual)Sheethttp://www.genie.com/role/EquityDetailsTextualEquity (Details Textual)Detailshttp://www.genie.com/role/EquityTables83 falsefalseR84.htm9954520 - Disclosure - Variable Interest Entity (Details)Sheethttp://www.genie.com/role/VariableInterestEntityDetailsVariable Interest Entity

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Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)." } } }, "auth_ref": ["r161", "r1114"] }, "us-gaap_AccountsPayableTradeCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccountsPayableTradeCurrent", "crdr": "credit", "calculation": { "http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 0.0 } }, "presentation": ["http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited"], "lang": { "en-us": { "role": { "verboseLabel": "Trade accounts payable", "label": "Accounts Payable, Trade, Current", "documentation": "Carrying value as of the balance sheet date of obligations 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)." } } }, "auth_ref": ["r33", "r161"] }, "us-gaap_AccountsReceivableMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccountsReceivableMember", "presentation": ["http://www.genie.com/role/FairValueMeasurementsDetails1", "http://www.genie.com/role/FairValueMeasurementsDetailsTextual", "http://www.genie.com/role/FairValueMeasurementsTables"], "lang": { "en-us": { "role": { "verboseLabel": "Consolidated gross trade accounts receivable [Member]", "terseLabel": "Accounts receivable [Member]", "label": "Accounts Receivable [Member]", "documentation": "Due from customers or clients for goods or services that have been delivered or sold." } } }, "auth_ref": ["r1038"] }, "us-gaap_AccountsReceivableNetCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccountsReceivableNetCurrent", "crdr": "debit", "calculation": { "http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited"], "lang": { "en-us": { "role": { "label": "Accounts Receivable, after Allowance for Credit Loss, Current", "terseLabel": "Trade accounts receivable, net of allowance for doubtful accounts of $7,349 and $6,574 at June 30, 2024 and December 31, 2023, respectively", "documentation": "Amount, after allowance for credit loss, of right to consideration from customer for product sold and service rendered in normal course of business, classified as current." } } }, "auth_ref": ["r1232"] }, "us-gaap_AccruedIncomeTaxesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccruedIncomeTaxesCurrent", "crdr": "credit", "calculation": { "http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited"], "lang": { "en-us": { "role": { "verboseLabel": "Income taxes payable", "label": "Accrued Income Taxes, Current", "documentation": "Carrying amount as of the balance sheet date of the unpaid sum of the known and estimated amounts payable to satisfy all currently due domestic and foreign income tax obligations." } } }, "auth_ref": ["r164", "r237"] }, "us-gaap_AccruedInsuranceNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccruedInsuranceNoncurrent", "crdr": "credit", "calculation": { "http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited": { "parentTag": "us-gaap_Liabilities", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited"], "lang": { "en-us": { "role": { "terseLabel": "Noncurrent captive insurance liability", "label": "Accrued Insurance, Noncurrent", "documentation": "Carrying value as of the balance sheet date of obligations incurred through that date and due beyond one year (or beyond one operating cycle if longer) to insurance entities to mitigate potential loss from various risks or to satisfy a promise to provide certain coverages to employees." } } }, "auth_ref": ["r170"] }, "us-gaap_AccruedLiabilitiesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccruedLiabilitiesCurrent", "crdr": "credit", "calculation": { "http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited"], "lang": { "en-us": { "role": { "definitionGuidance": "Total investigation accrual", "totalLabel": "Accrued Liabilities, Current, Total", "verboseLabel": "Accrued expenses", "terseLabel": "Total settlement payment", "label": "Accrued Liabilities, Current", "documentation": "Carrying value as of the balance sheet date of obligations incurred and payable, pertaining to costs that are statutory in nature, are incurred on contractual obligations, or accumulate over time and for which invoices have not yet been received or will not be rendered. Examples include taxes, interest, rent and utilities. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)." } } }, "auth_ref": ["r164"] }, "us-gaap_AccruedLiabilitiesCurrentAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccruedLiabilitiesCurrentAbstract", "presentation": ["http://www.genie.com/role/AccruedExpensesandOtherCurrentLiabilitiesScheduleofaccruedexpensesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Accrued expenses", "label": "Accrued Liabilities, Current [Abstract]" } } }, "auth_ref": [] }, "us-gaap_AccruedUtilitiesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccruedUtilitiesCurrent", "crdr": "credit", "calculation": { "http://www.genie.com/role/AccruedExpensesandOtherCurrentLiabilitiesScheduleofaccruedexpensesDetails": { "parentTag": "us-gaap_AccountsPayableAndAccruedLiabilitiesCurrent", "weight": 1.0, "order": 0.0 } }, "presentation": ["http://www.genie.com/role/AccruedExpensesandOtherCurrentLiabilitiesScheduleofaccruedexpensesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Renewable energy", "label": "Accrued Utilities, Current", "documentation": "Carrying value as of the balance sheet date of obligations incurred through that date and payable for utilities, such as electrical power, heating oil, natural gas, and water. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)." } } }, "auth_ref": ["r164"] }, "us-gaap_AccumulatedOtherComprehensiveIncomeLossNetOfTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedOtherComprehensiveIncomeLossNetOfTax", "crdr": "credit", "calculation": { "http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited": { "parentTag": "us-gaap_StockholdersEquity", "weight":

1.0, "order": 4.0 } }, "presentation": ["http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited"], "lang": { "en-us": { "role": { "periodEndLabel": "Accumulated other comprehensive income (loss), Net, Ending balance", "periodStartLabel": "Accumulated other comprehensive income (loss), Net, Beginning balance", "totalLabel": "Accumulated other comprehensive loss", "verboseLabel": "Accumulated other comprehensive income", "label": "Accumulated Other Comprehensive Income (Loss), Net of Tax", "documentation": "Amount, after tax, of accumulated increase (decrease) in equity from transaction and other event and circumstance from nonowner source." } } }, "auth_ref": ["r35", "r36", "r185", "r301", "r843", "r889", "r892"] }, "us-gaap_AccumulatedOtherComprehensiveIncomeMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedOtherComprehensiveIncomeMember", "presentation": ["http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFEQUITY"], "lang": { "en-us": { "role": { "label": "AOCI Attributable to Parent [Member]", "terseLabel": "Accumulated Other Comprehensive Income", "documentation": "Accumulated increase (decrease) in equity from transactions and other events and circumstances from non-owner sources, attributable to the parent. Excludes net income (loss), and accumulated changes in equity from transactions resulting from investments by owners and distributions to owners." } } }, "auth_ref": ["r6", "r21", "r36", "r700", "r703", "r762", "r885", "r886", "r1191", "r1192", "r1193", "r1213", "r1214", "r1215", "r1216"] }, "gne_AcquiredAgreementFeesUsefulLife": { "xbrltype": "durationItemType", "nsuri": "http://www.genie.com/20240630", "localname": "AcquiredAgreementFeesUsefulLife", "presentation": ["http://www.genie.com/role/AcquisitionofSmileEnergyGKDetails"], "lang": { "en-us": { "role": { "documentation": "Acquired agreement fees useful life.", "terseLabel": "Charging set-up fees to expense on a straight-line basis", "label": "Acquired Agreement Fees Useful Life" } } }, "auth_ref": [ ] }, "us-gaap_AcquiredFiniteLivedIntangibleAssetsWeightedAverageUsefulLife": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AcquiredFiniteLivedIntangibleAssetsWeightedAverageUsefulLife", "presentation": ["http://www.genie.com/role/AcquisitionofSmileEnergyGKDetails", "http://www.genie.com/role/GoodwillandOtherIntangibleAssetsDetails1"], "lang": { "en-us": { "role": { "verboseLabel": "Weighted Average Amortization Period", "label": "Acquired Finite-lived Intangible Assets, Weighted Average Useful Life", "terseLabel": "Amortized straight-line basis over estimated life", "documentation": "Weighted average amortization period of finite-lived intangible assets acquired either individually or as part of a group of assets, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days." } } }, "auth_ref": ["r501", "r1043"] }, "gne_AcquiredPurchaseOfElectricity": { "xbrltype": "monetaryItemType", "nsuri": "http://www.genie.com/20240630", "localname": "AcquiredPurchaseOfElectricity", "crdr": "credit", "presentation": ["http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual"], "lang": { "en-us": { "role": { "label": "Acquired purchase of electricity" } } }, "auth_ref": [ ] }, "us-gaap_AcquisitionCosts": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AcquisitionCosts", "crdr": "debit", "presentation": ["http://www.genie.com/role/RevenueRecognitionDetailsTextual"], "lang": { "en-us": { "role": { "verboseLabel": "Total capitalized customer acquisition costs", "label": "Total capitalized customer acquisition costs", "documentation": "Amount of capitalized acquisition cost incurred during period and excluded from amortization for oil- and gas-producing activities accounted for under full cost method. Excludes exploration and development costs and capitalized interest." } } }, "auth_ref": ["r1368", "r1370"] }, "gne_AdditionalCostsIncludedInCostOfRevenue": { "xbrltype": "monetaryItemType", "nsuri": "http://www.genie.com/20240630", "localname": "AdditionalCostsIncludedInCostOfRevenue", "crdr": "debit", "presentation": ["http://www.genie.com/role/BasisofPresentationandBusinessChangesandDevelopmentDetails"], "lang": { "en-us": { "role": { "label": "Additional Costs Included in Cost of Revenue", "documentation": "The amount of additional costs recognized and which is included in cost of revenue.", "terseLabel": "Additional costs included in cost of revenue" } } }, "auth_ref": [ ] }, "gne_AdditionalLoanAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://www.genie.com/20240630", "localname": "AdditionalLoanAmount", "crdr": "credit", "presentation": ["http://www.genie.com/role/InvestmentinEquityMethodInvesteesDetailsTextual", "http://www.genie.com/role/RelatedPartyTransactionsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Additional Loan Amount", "terseLabel": "Additional loan amount", "documentation": "The amount of additional loan to be provided." } } }, "auth_ref": [ ] }, "us-gaap_AdditionalPaidInCapital": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdditionalPaidInCapital", "crdr": "credit", "calculation": { "http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited"], "lang": { "en-us": { "role": { "label": "Additional Paid in Capital", "verboseLabel": "Additional paid-in capital", "documentation": "Amount of excess of issue price over par or stated value of stock and from other transaction involving stock or stockholder. Includes, but is not limited to, additional paid-in capital (APIC) for common and preferred stock." } } }, "auth_ref": ["r176", "r1114", "r1417"] }, "us-gaap_AdditionalPaidInCapitalMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdditionalPaidInCapitalMember", "presentation": ["http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFEQUITY"], "lang": { "en-us": { "role": { "label": "Additional Paid-in Capital [Member]", "verboseLabel": "Additional Paid-In Capital", "documentation": "Excess of issue price over par or stated value of the entity's capital stock and amounts received from other transactions involving the entity's stock or stockholders." } } }, "auth_ref": ["r907", "r1213", "r1214", "r1215", "r1216", "r1331", "r1418"] }, "us-gaap_AdjustmentsToReconcileNetIncomeLossToCashProvidedByUsedInOperatingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdjustmentsToReconcileNetIncomeLossToCashProvidedByUsedInOperatingActivitiesAbstract", "presentation": ["http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFCASHFLOWSUnaudited"], "lang": { "en-us": { "role": { "verboseLabel": "Adjustments to reconcile net income to net cash provided by operating activities:", "label": "Adjustments To Reconcile Net Income (Loss) To Cash Provided By (Used In) Operating Activities [Abstract]" } } }, "auth_ref": [ ] }, "gne_AdministratorPaid": { "xbrltype": "monetaryItemType", "nsuri": "http://www.genie.com/20240630", "localname": "AdministratorPaid", "crdr": "debit", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Administrator paid" } } }, "auth_ref": [ ] }, "gne_AfekOilAndGasLtdMember": { "xbrltype": "domainItemType", "nsuri": "http://www.genie.com/20240630", "localname": "AfekOilAndGasLtdMember", "presentation": ["http://www.genie.com/role/BasisofPresentationandBusinessChangesandDevelopmentDetails", "http://www.genie.com/role/BusinessSegmentInformationDetailsTextual", "http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual"], "lang": { "en-us": { "role": { "documentation": "Afek Oil and Gas, Ltd.", "verboseLabel": "Afek Oil and Gas, Ltd. [Member]", "terseLabel": "Afek [Member]", "label": "Afek Oil And Gas Ltd [Member]" } } }, "auth_ref": [ ] }, "gne_AggregateAmountofSharesUnderStockPurchaseProgram": { "xbrltype": "monetaryItemType", "nsuri": "http://www.genie.com/20240630", "localname": "AggregateAmountofSharesUnderStockPurchaseProgram", "crdr": "credit", "presentation": ["http://www.genie.com/role/EquityDetailsTextual"], "lang": { "en-us": { "role": { "label": "Aggregate amount of shares under stock purchase program" } } }, "auth_ref": [ ] }, "ecd_AllIndividualsMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AllIndividualsMember", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"], "lang": { "en-us": { "role": { "label": "All Individuals [Member]" } } }, "auth_ref": ["r1142", "r1143", "r1144", "r1146", "r1147", "r1148", "r1151"] }, "us-gaap_AllOtherSegmentsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AllOtherSegmentsMember", "presentation": ["http://www.genie.com/role/BusinessSegmentInformationDetailsTextual"], "lang": { "en-us": { "role": { "verboseLabel": "Genie Retail Energy [Member]", "terseLabel": "GRE [Member]", "label": "Other Segments [Member]", "documentation": "Operating segments classified as other. Excludes intersegment elimination and reconciling items." } } }, "auth_ref": ["r386", "r405", "r406", "r407", "r408", "r409", "r412", "r1056", "r1057"] }, "ecd_AllTradingArrangementsMember": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "AllTradingArrangementsMember", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"], "lang": { "en-us": { "role": { "label": "All Trading Arrangements [Member]" } } }, "auth_ref": ["r1149"] }, "us-gaap_AllocatedShareBasedCompensationExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AllocatedShareBasedCompensationExpense", "crdr": "debit", "presentation": ["http://www.genie.com/role/BusinessSegmentInformationDetails"], "lang": { "en-us": { "role": { "label": "Share-based Payment Arrangement, Expense", "terseLabel": "Stock-based compensation included in selling, general and administrative expenses", "verboseLabel": "Stock-based compensation", "documentation": "Amount of expense for award under share-based payment arrangement. Excludes amount capitalized." } } }, "auth_ref": ["r645", "r647"] }, "us-gaap_AllocatedShareBasedCompensationExpenseNetOfTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AllocatedShareBasedCompensationExpenseNetOfTax", "crdr": "debit", "presentation": ["http://www.genie.com/role/EquityDetailsTextual"], "lang": { "en-us": { "role": { "label": "Share-based Payment Arrangement, Expense, after Tax", "terseLabel": "Recognized compensation cost", "documentation": "Amount, after tax, of expense for award under share-based payment arrangement." } } }, "auth_ref": [ ] }, "gne_AllocatedShareBasedCompensationExpenses": { "xbrltype": "monetaryItemType", "nsuri": "http://www.genie.com/20240630", "localname": "AllocatedShareBasedCompensationExpenses", "crdr": "debit", "presentation": ["http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFOPERATIONSUnauditedParenthetical"], "lang": { "en-us": { "role": { "terseLabel": "Stock-based compensation included in selling, general and administrative expenses", "documentation": "Amount of expense for award under share-based payment arrangement. 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These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [] }, "us-gaap_AntidilutiveSecuritiesNameDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AntidilutiveSecuritiesNameDomain", "presentation": ["http://www.genie.com/role/EarningsPerShareDetails1"], "lang": { "en-us": { "role": { "label": "Antidilutive Securities, Name [Domain]", "documentation": "Incremental common shares attributable to securities that were not included in diluted earnings per share (EPS) because to do so would increase EPS amounts or decrease loss per share amounts for the period presented." } } }, "auth_ref": ["r48"] }, "us-gaap_AreaOfLand": { "xbrltype": "areaItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AreaOfLand", "presentation": ["http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual"], "lang": { "en-us": { "role": { "label": "Area of Land", "terseLabel": "Area of land", "documentation": "Area of land held." } } }, "auth_ref": [] }, "us-gaap_ArrangementsAndNonarrangementTransactionsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ArrangementsAndNonarrangementTransactionsMember", "presentation": ["http://www.genie.com/role/InvestmentinEquityMethodInvesteesDetailsTextual"], "lang": { "en-us": { "role": { "label": "Arrangements and Non-arrangement Transactions [Domain]", "documentation": "Collaborative arrangement and arrangement other than collaborative applicable to revenue-generating activity or operations." } } }, "auth_ref": ["r687"] }, "us-gaap_AssetAcquisitionAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetAcquisitionAxis", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Asset Acquisition [Axis]", "documentation": "Information by asset acquisition." } } }, "auth_ref": ["r499", "r500", "r501", "r502", "r503", "r1327"] }, "us-gaap_AssetAcquisitionConsiderationTransferredTransactionCost": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetAcquisitionConsiderationTransferredTransactionCost", "crdr": "credit", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Asset Acquisition, Consideration Transferred, Transaction Cost", "documentation": "Amount of transaction cost incurred as part of consideration transferred in asset acquisition." } } }, "auth_ref": ["r1087", "r1328", "r1329", "r1330"] }, "us-gaap_AssetAcquisitionDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetAcquisitionDomain", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Asset Acquisition [Domain]", "documentation": "Asset acquisition." } } }, "auth_ref": ["r499", "r500", "r501", "r502", "r503", "r1327"] }, "us-gaap_AssetAcquisitionPriceOfAcquisitionExpected": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetAcquisitionPriceOfAcquisitionExpected", "crdr": "credit", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Asset Acquisition, Price of Acquisition, Expected", "terseLabel": "Asset Acquisition, Purchase Price", "documentation": "Purchase price of expected asset acquisition prior to consideration being transferred. 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Business description describes the nature and type of organization including but not limited to organizational structure as may be applicable to holding companies, parent and subsidiary relationships, business divisions, business units, business segments, affiliates and information about significant ownership of the reporting entity. 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and (b) possible losses or likely gains from uncertainties that will ultimately be resolved when one or more future events that are deemed likely to occur do occur or fail to occur." } } }, "auth_ref": ["r171", "r241", "r841", "r940"] }, "us-gaap_CommitmentsAndContingenciesDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommitmentsAndContingenciesDisclosureAbstract", "lang": { "en-us": { "role": { "label": "Commitments and Contingencies" } } }, "auth_ref": [] }, "us-gaap_CommitmentsAndContingenciesDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommitmentsAndContingenciesDisclosureTextBlock", "presentation": ["http://www.genie.com/role/CommitmentsAndContingencies"], "lang": { "en-us": { "role": { "terseLabel": "Commitments and Contingencies", "label": "Commitments and Contingencies Disclosure [Text Block]", "documentation": "The entire disclosure for commitments and contingencies." } } }, "auth_ref": ["r216", "r523", "r524", "r1039", "r1267", "r1272"] }, "us-gaap_CommonClassAMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonClassAMember", "presentation": ["http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited", "http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnauditedParenthetical", "http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFEQUITY", "http://www.genie.com/role/DocumentAndEntityInformation"], "lang": { "en-us": { "role": { "disclosureGuidance": "Common Class A [Member]", "verboseLabel": "Class A common stock [Member]", "terseLabel": "Class A Common Stock", "label": "Common Class A [Member]", "documentation": "Classification of common stock representing ownership interest in a corporation." } } }, "auth_ref": ["r1418"] }, "us-gaap_CommonClassBMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonClassBMember", "presentation": 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(includes common shares that were issued, repurchased and remain in the treasury). These shares represent capital invested by the firm's shareholders and owners, and may be all or only a portion of the number of shares authorized. Shares issued include shares outstanding and shares held in the treasury." } } }, "auth_ref": ["r174"] }, "us-gaap_CommonStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesOutstanding", "presentation": ["http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnauditedParenthetical"], "lang": { "en-us": { "role": { "periodEndLabel": "Common Stock, Shares, Outstanding, Ending Balance", "periodStartLabel": "Common Stock, Shares, Outstanding, Beginning Balance", "verboseLabel": "Common stock, shares outstanding", "label": "Common Stock, Shares, Outstanding", "documentation": "Number of shares of common stock outstanding. Common stock represent the ownership interest in a corporation." } } }, "auth_ref": ["r24", "r174", "r941", "r962", "r1418", "r1419"] }, "us-gaap_CommonStockValueOutstanding": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockValueOutstanding", "crdr": "credit", "calculation": { "http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited"], "lang": { "en-us": { "role": { "terseLabel": "Common stock value", "label": "Common Stock, Value, Outstanding", "documentation": "Value of common shares held by shareholders. Excludes common shares repurchased and held as treasury shares." } } }, "auth_ref": ["r174", "r941"] }, "gne_CompanyDeposite": { "xbrltype": "monetaryItemType", "nsuri": "http://www.genie.com/20240630", "localname": "CompanyDeposite", "crdr": "debit", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Company Deposite", "terseLabel": "Company deposite", "documentation": "The amount of company deposite." } } }, "auth_ref": [] }, "us-gaap_ComprehensiveIncomeNetOfTax": { "xbrltype":

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Excludes changes in equity resulting from investments by owners and distributions to owners." } } }, "auth_ref": ["r37", "r311", "r313", "r321", "r830", "r857", "r859"] }, "us-gaap_ComprehensiveIncomeNetOfTaxAttributableToNoncontrollingInterest": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ComprehensiveIncomeNetOfTaxAttributableToNoncontrollingInterest", "crdr": "debit", "calculation": { "http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFCOMPREHENSIVEINCOMEUnaudited": { "parentTag": "us-gaap_ComprehensiveIncomeNetOfTax", "weight": -1.0, "order": 1.0 } }, "presentation": ["http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFCOMPREHENSIVEINCOMEUnaudited"], "lang": { "en-us": { "role": { "terseLabel": "Comprehensive (income) loss attributable to noncontrolling interests", "label": "Comprehensive loss attributable to noncontrolling interests", "negatedLabel": "Comprehensive loss attributable to noncontrolling interests", "totalLabel": "Comprehensive Income (Loss), Net of Tax, Attributable to Noncontrolling Interest, Total", "verboseLabel": "Comprehensive gain attributable to noncontrolling interests", "documentation": "Amount after tax of increase (decrease) in equity from transactions and other events and circumstances from net income (loss) and other comprehensive income (loss), attributable to noncontrolling interests. Excludes changes in equity resulting from investments by owners and distributions to owners." } } }, "auth_ref": ["r13", "r95", "r106", "r311", "r313", "r320", "r829", "r857", "r858"] }, "us-gaap_ComprehensiveIncomeNetOfTaxIncludingPortionAttributableToNoncontrollingInterest": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ComprehensiveIncomeNetOfTaxIncludingPortionAttributableToNoncontrollingInterest", "crdr": "credit", "calculation": { "http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFCOMPREHENSIVEINCOMEUnaudited": { "parentTag": "us-gaap_ComprehensiveIncomeNetOfTax", "weight": 1.0, "order": 0.0 } }, "presentation": ["http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFCOMPREHENSIVEINCOMEUnaudited"], "lang": { "en-us": { "role": { "totalLabel": "Comprehensive income", "label": "Comprehensive Income (Loss), Net of Tax, Including Portion Attributable to Noncontrolling Interest", "documentation": "Amount after tax of increase (decrease) in equity from transactions and other events and circumstances from net income and other comprehensive income. Excludes changes in equity resulting from investments by owners and distributions to owners." } } }, "auth_ref": ["r106", "r225", "r311", "r313", "r319", "r828", "r857"] }, "gne_ComputerHardwareMember": { "xbrltype": "domainItemType", "nsuri": "http://www.genie.com/20240630", "localname": "ComputerHardwareMember", "presentation": ["http://www.genie.com/role/BasisofPresentationandBusinessChangesandDevelopmentDetails"], "lang": { "en-us": { "role": { "documentation": "Computer hardware.", "terseLabel": "Computers and computer hardware [Member]", "label": "Computer Hardware [Member]" } } }, "auth_ref": [] }, "us-gaap_ConcentrationRiskBenchmarkDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskBenchmarkDomain", "presentation": ["http://www.genie.com/role/FairValueMeasurementsDetails1", "http://www.genie.com/role/FairValueMeasurementsDetailsTextual", "http://www.genie.com/role/FairValueMeasurementsTables"], "lang": { "en-us": { "role": { "label": "Concentration Risk Benchmark [Domain]", "documentation": "The denominator in a calculation of a disclosed concentration risk percentage." } } }, "auth_ref": ["r51", "r52", "r127", "r128", "r417", "r1038"] }, "us-gaap_ConcentrationRiskByBenchmarkAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskByBenchmarkAxis", "presentation": ["http://www.genie.com/role/FairValueMeasurementsDetails1", "http://www.genie.com/role/FairValueMeasurementsDetailsTextual", "http://www.genie.com/role/FairValueMeasurementsTables"], "lang": { "en-us": { "role": { "label": "Concentration Risk Benchmark [Axis]", "documentation": "Information by benchmark of concentration risk." } } }, "auth_ref": ["r51", "r52", "r127", "r128", "r417", "r894", "r1038"] }, "us-gaap_ConcentrationRiskByTypeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskByTypeAxis", "presentation": ["http://www.genie.com/role/BasisofPresentationandBusinessChangesandDevelopmentDetails", "http://www.genie.com/role/FairValueMeasurementsDetails1", "http://www.genie.com/role/FairValueMeasurementsDetailsTextual", "http://www.genie.com/role/FairValueMeasurementsTables"], "lang": { "en-us": { "role": { "label": "Concentration Risk Type [Axis]", "documentation": "Information by type of concentration risk, for example, but not limited to, asset, liability, net assets, geographic, customer, employees, supplier, lender." } } }, "auth_ref": ["r51", "r52", "r127", "r128", "r417", "r1038", "r1162"] }, "us-gaap_ConcentrationRiskDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskDisclosureTextBlock", "presentation": ["http://www.genie.com/role/ConcentrationsAndAssociatedCreditRisk"], "lang": { "en-us": { "role": { "terseLabel": "Concentrations and Associated Credit Risk", "label": "Concentration Risk Disclosure [Text Block]", "documentation": "The entire disclosure for any concentrations existing at the date of the financial statements that make an entity vulnerable to a reasonably possible, near-term, severe impact. This disclosure informs financial statement users about the general nature of the risk associated with the concentration, and may indicate the percentage of concentration risk as of the balance sheet date." } } }, "auth_ref": ["r203"] }, "us-gaap_ConcentrationRiskLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskLineItems", "presentation": ["http://www.genie.com/role/FairValueMeasurementsDetails1", "http://www.genie.com/role/FairValueMeasurementsTables"], "lang": { "en-us": { "role": { "label": "Concentration Risk [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r1038"] }, "gne_ConcentrationRiskPercentage": { "xbrltype": "percentItemType", "nsuri": "http://www.genie.com/20240630", "localname": "ConcentrationRiskPercentage", "presentation": ["http://www.genie.com/role/FairValueMeasurementsDetails1"], "lang": { "en-us": { "role": { "documentation": "For an entity that discloses a concentration risk in relation to quantitative amount, which serves as the \"benchmark\" (or denominator) in the equation, this concept represents the concentration percentage values derived from the division.", "label": "Concentration Risk, Percentage One", "verboseLabel": "Concentration risk, percentage" } } }, "auth_ref": [] }, "us-gaap_ConcentrationRiskPercentage1": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskPercentage1", "presentation": ["http://www.genie.com/role/FairValueMeasurementsDetailsTextual"], "lang": { "en-us": { "role": { "terseLabel": "Concentration risk, percentage", "label": "Concentration Risk, Percentage", "documentation": "For an entity that discloses a concentration risk in relation to quantitative amount, which serves as the \"benchmark\" (or denominator) in the equation, this concept represents the concentration percentage derived from the division." } } }, "auth_ref": ["r51", "r52", "r127", "r128", "r417"] }, "us-gaap_ConcentrationRiskTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskTable", "presentation": ["http://www.genie.com/role/FairValueMeasurementsDetails1", "http://www.genie.com/role/FairValueMeasurementsTables"], "lang": { "en-us": { "role": { "label": "Concentration Risk [Table]", "documentation": "Disclosure of information about concentration risk. Includes, but is not limited to, percentage of concentration risk and benchmark serving as denominator in calculation of percentage of concentration risk." } } }, "auth_ref": ["r50", "r51", "r52", "r53", "r127", "r233", "r1038"] }, "us-gaap_ConcentrationRiskTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskTypeDomain", "presentation": ["http://www.genie.com/role/BasisofPresentationandBusinessChangesandDevelopmentDetails", "http://www.genie.com/role/FairValueMeasurementsDetails1", "http://www.genie.com/role/FairValueMeasurementsDetailsTextual", "http://www.genie.com/role/FairValueMeasurementsTables"], "lang": { "en-us": { "role": { "label": "Concentration Risk Type [Domain]", "documentation": "For an entity that discloses a concentration risk as a percentage of some financial balance or benchmark, identifies the type (for example, asset, liability, net assets, geographic, customer, employees, supplier, lender) of the concentration." } } }, "auth_ref": ["r51", "r52", "r127", "r128", "r417", "r1038"] }, "srt_ConsolidatedEntitiesAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ConsolidatedEntitiesAxis", "presentation": ["http://www.genie.com/role/AcquisitionDetailsTextual", "http://www.genie.com/role/AcquisitionsDetails2", "http://www.genie.com/role/DivestitureOfMajorityInterestInAtidDrillingLtdDetailsTextual", "http://www.genie.com/role/VariableInterestEntityDetails1", "http://www.genie.com/role/VariableInterestEntityDetailsTextual"], "lang": { "en-us": { "role": { "label": "Consolidated Entities [Axis]", "documentation": "Information by consolidated entity or group of entities." } } }, "auth_ref": ["r265", "r278", "r336", "r689", "r690", "r694", "r695", "r773", "r1040", "r1175", "r1176", "r1177", "r1281", "r1284", "r1285"] }, "srt_ConsolidatedEntitiesDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ConsolidatedEntitiesDomain", "presentation": ["http://www.genie.com/role/AcquisitionDetailsTextual", "http://www.genie.com/role/AcquisitionsDetails2", "http://www.genie.com/role/DivestitureOfMajorityInterestInAtidDrillingLtdDetailsTextual", "http://www.genie.com/role/VariableInterestEntityDetails1", "http://www.genie.com/role/VariableInterestEntityDetailsTextual"], "lang": { "en-us": { "role": { "label": "Consolidated Entities [Domain]", "documentation": "Entity or group of entities consolidated into reporting entity." } } }, "auth_ref": ["r265", "r278", "r336", "r689", "r690", "r694", "r695", "r773", "r1040", "r1175", "r1176", "r1177", "r1281", "r1284", "r1285"] }, "us-gaap_ConsolidationLessThanWhollyOwnedSubsidiaryParentOwnershipInterestChangesPurchaseOfInterestByParent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConsolidationLessThanWhollyOwnedSubsidiaryParentOwnershipInterestChangesPurchaseOfInterestByParent", "crdr": "debit", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Consolidation, Less than Wholly Owned Subsidiary, Parent Ownership Interest, Changes, Purchase of Interest by Parent", "documentation": "Represents the purchase by the parent of an additional equity interest in a subsidiary during the period, thereby effecting a change in total (consolidated) equity attributable to the parent. The purchase of the additional equity interest represented by this element increases the parent's controlling interest in the subsidiary." } } }, "auth_ref": ["r22", "r73", "r107"] }, "us-gaap_ContractTerminationClaimsDescription": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContractTerminationClaimsDescription", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Contract Termination Claims, Description", "terseLabel": "Contract Termination Claims, Description", "documentation": "General description of claims, deemed to be reimbursable and included in accounts receivable, relating to the termination of long-term government contracts and programs. Includes claims associated with terminated war and defense contracts. If a reasonable estimate of a termination claim is undeterminable or impossible to make, disclosure is made to discuss the status and circumstances related to the undeterminable claim." } } }, "auth_ref": ["r131", "r132", "r812", "r813", "r814", "r815", "r816"] }, "us-gaap_ContractWithCustomerAssetAndLiabilityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContractWithCustomerAssetAndLiabilityTableTextBlock", "presentation": ["http://www.genie.com/role/RevenueRecognitionTables"], "lang": { "en-us": { "role": { "label": "Schedule of contract liability", "documentation": "Tabular disclosure of receivable, contract asset, and contract liability from contract with customer. Includes, but is not limited to, change in contract asset and contract liability." } } }, "auth_ref": ["r1290"] }, "us-gaap_ContractWithCustomerBasisOfPricingAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContractWithCustomerBasisOfPricingAxis", "presentation": ["http://www.genie.com/role/RevenueRecognitionDetails"], "lang": { "en-us": { "role": { "label": "Contract with Customer, Basis of Pricing [Axis]", "documentation": "Information by basis of pricing for contract representing right to consideration in exchange for good or service transferred to customer." } } }, "auth_ref": ["r1076", "r1291"] }, "us-gaap_ContractWithCustomerBasisOfPricingDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContractWithCustomerBasisOfPricingDomain", "presentation": ["http://www.genie.com/role/RevenueRecognitionDetails"], "lang": { "en-us": { "role": { "label": "Contract with Customer, Basis of Pricing [Domain]", "documentation": "Basis of pricing for contract with customer. 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Risk is the materially adverse effects of loss attributable to (a) the failure to collect a significant receivable from a major customer or group of homogeneous accounts, or (b) a failure by a counterparty to perform under terms of a contractual arrangement." } } }, "auth_ref": ["r233"] }, "gne_CurrentAccountsPayableClassifiedAsHeldForSale": { "xbrltype": "monetaryItemType", "nsuri": "http://www.genie.com/20240630", "localname": "CurrentAccountsPayableClassifiedAsHeldForSale", "crdr": "credit", "presentation": ["http://www.genie.com/role/AssetsandLiabilitiesHeldforSaleDetail"], "lang": { "en-us": { "role": { "documentation": "The amount classified as accounts payable attributable to held for sale or expected to be disposed of within one year or the normal operating cycle, if longer.", "label": "Current Accounts Payable Classified as Held for Sale", "terseLabel": "Accounts payable" } } }, "auth_ref": [] }, "gne_CurrentAccruedExpensesAndOtherCurrentLiabilitiesClassifiedAsHeldForSale": { "xbrltype": "monetaryItemType", "nsuri":

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to repay funds, and about the underlying arrangements, rationale for a classification as long-term, including repayment terms, interest rates, collateral
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debt issuance costs, of long-term debt. Includes, but is not limited to, notes payable, bonds payable, commercial loans, mortgage loans, convertible debt,
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commercial paper, bonds payable, debentures, and other contractual obligations for payment. This may include rationale for entering into the arrangement,
significant terms of the arrangement, which may include amount, repayment terms, priority, collateral required, debt covenants, borrowing capacity, call
features, participation rights, conversion provisions, sinking-fund requirements, voting rights, basis for conversion if convertible and remarketing provisions.
The description may be provided for individual debt instruments, rational groupings of debt instruments, or by debt in total." } } }, "auth_ref": [ "r29", "r68",
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"http://www.genie.com/role/LoanReceivableFromPrismSolarTechnologiesIncDetails", "http://www.genie.com/role/RelatedPartyTransactionsDetailsTextual" ],
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rate", "terseLabel": "Annual interest rate", "label": "Debt Instrument, Interest Rate, Stated Percentage", "documentation": "Contractual interest rate for funds
borrowed, under the debt agreement." } } }, "auth_ref": [ "r166", "r549" ] }, "us-gaap_DebtInstrumentMaturityDate": { "xbrltype": "dateItemType", "nsuri":
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Includes assets not subject to a master netting arrangement and not elected to be offset." } } }, "auth_ref": [ "r307", "r308", "r713", "r714", "r724", "r732", "r919", "r920", "r921", "r923", "r924", "r926", "r927", "r928", "r930", "r931", "r947", "r948", "r1011", "r1014", "r1015", "r1016", "r1017", "r1018", "r1048", "r1091", "r1097", "r1128", "r1335", "r1336", "r1337", "r1415" ] }, "us-gaap_DerivativeAssetsLiabilitiesAtFairValueNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeAssetsLiabilitiesAtFairValueNet", "crdr": "debit", "presentation": [ "http://www.genie.com/role/DivestitureOfMajorityInterestInAtidDrillingLtdDetailsTextual" ], "lang": { "en-us": { "role": { "verboseLabel": "Assets and liabilities held for sale of net book value", "label": "Derivative Assets (Liabilities), at Fair Value, Net", "documentation": "Fair values as of the balance sheet date of the net amount of all assets and liabilities resulting from contracts 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Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value

because of changes in interest rates." } } }, "auth_ref": ["r1350"] }, "us-gaap_EffectiveIncomeTaxRateContinuingOperations": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectiveIncomeTaxRateContinuingOperations", "presentation": ["http://www.genie.com/role/IncomeTaxesDetails"], "lang": { "en-us": { "role": { "terseLabel": "Reported tax rate", "label": "Effective Income Tax Rate Reconciliation, Percent", "documentation": "Percentage of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations." } } }, "auth_ref": ["r654", "r1086"] }, "gne_ElectricitiesMember": { "xbrltype": "domainItemType", "nsuri": "http://www.genie.com/20240630", "localname": "ElectricitiesMember", "presentation": ["http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual"], "lang": { "en-us": { "role": { "label": "Electricities [Member]", "terseLabel": "Electricity [Member]" } } }, "auth_ref": [] }, 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Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)." } } }, "auth_ref": ["r164"] }, "us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognized": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognized", "crdr": "debit", "presentation": ["http://www.genie.com/role/EquityDetailsTextual"], "lang": { "en-us": { "role": { "verboseLabel": "Total unrecognized compensation cost", "terseLabel": "Unrecognized compensation cost", "label": "Employee Service Share-based Compensation, Nonvested Awards, Compensation Cost Not yet Recognized", "documentation": "Amount of cost not yet recognized for nonvested award under share-based payment arrangement." } } }, "auth_ref": ["r646"] }, "us-gaap_EmployeeStockOptionMember": { "xbrltype": "domainItemType", "nsuri": 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It is commonly abbreviated as CIK." } } }, "auth_ref": ["r1139"] }, "dei_EntityCommonStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCommonStockSharesOutstanding", "presentation": ["http://www.genie.com/role/DocumentAndEntityInformation"], "lang": { "en-us": { "role": { "verboseLabel": "Entity Common Stock, Shares Outstanding", "label": "Entity Common Stock, Shares Outstanding", "documentation": "Indicate number of shares or other units outstanding of each of registrant's classes of capital or common stock or other ownership interests, if and as stated on cover of related periodic report. Where multiple classes or units exist define each class/interest by adding class of stock items such as Common Class A [Member], Common Class B [Member] or Partnership Interest [Member] onto the Instrument [Domain] of the Entity Listings, Instrument." } } }, "auth_ref": [] }, "dei_EntityCurrentReportingStatus": { "xbrltype": "yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCurrentReportingStatus", "presentation": ["http://www.genie.com/role/DocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Entity Current Reporting Status", "documentation": "Indicate 'Yes' or 'No' whether registrants (1) have filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that registrants were required to file such reports), and (2) have been subject to such filing requirements for the past 90 days. This information should be based on the registrant's current or most recent filing containing the related disclosure." } } }, "auth_ref": [] }, "dei_EntityDomain": { "xbrltype": "domainItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityDomain", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual", "http://www.genie.com/role/BasisofPresentationandBusinessChangesandDevelopmentDetails", "http://www.genie.com/role/CashCashEquivalentsandRestrictedCashDetailsTextual", "http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual", "http://www.genie.com/role/FairValueMeasurementsDetailsTextual"], "lang": { "en-us": { "role": { "verboseLabel": "Entity [Domain]", "label": "Entity [Domain]", "documentation": "All the names of the entities being reported upon in a document. Any legal structure used to conduct activities or to hold assets. Some examples of such structures are corporations, partnerships, limited liability

companies, grantor trusts, and other trusts. This item does not include business and geographical segments which are included in the geographical or business segments domains." } } }, "auth_ref": [] }, "dei_EntityEmergingGrowthCompany": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityEmergingGrowthCompany", "presentation": ["http://www.genie.com/role/DocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Entity Emerging Growth Company", "documentation": "Indicate if registrant meets the emerging growth company criteria." } } }, "auth_ref": ["r1139"] }, "dei_EntityFileNumber": { "xbrltype": "fileNumberItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityFileNumber", "presentation": ["http://www.genie.com/role/DocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Entity File Number", "documentation": "Commission file number. The field allows up to 17 characters. The prefix may contain 1-3 digits, the sequence number may contain 1-8 digits, the optional suffix may contain 1-4 characters, and the fields are separated with a hyphen." } } }, "auth_ref": [] }, "dei_EntityFilerCategory": { "xbrltype": "filerCategoryItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityFilerCategory", "presentation": ["http://www.genie.com/role/DocumentAndEntityInformation"], "lang": { "en-us": { "role": { "verboseLabel": "Entity Filer Category", "label": "Entity Filer Category", "documentation": "Indicate whether the registrant is one of the following: Large Accelerated Filer, Accelerated Filer, Non-accelerated Filer. Definitions of these categories are stated in Rule 12b-2 of the Exchange Act. This information should be based on the registrant's current or most recent filing containing the related disclosure." } } }, "auth_ref": ["r1139"] }, "dei_EntityIncorporationStateCountryCode": { "xbrltype": "edgarStateCountryItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityIncorporationStateCountryCode", "presentation": ["http://www.genie.com/role/DocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Entity Incorporation, State or Country Code", "documentation": "Two-character EDGAR code representing the state or country of incorporation." } } }, "auth_ref": [] }, "dei_EntityInteractiveDataCurrent": { "xbrltype": "yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityInteractiveDataCurrent", "presentation": ["http://www.genie.com/role/DocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Entity Interactive Data Current", "documentation": "Boolean flag that is true when the registrant has submitted 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Excludes entity that is consolidated." } } }, "auth_ref": ["r454", "r455", "r457", "r670", "r1158", "r1159", "r1160", "r1323", "r1324", "r1325", "r1326"] }, "us-gaap_EquityMethodInvestmentAdditionalInformation": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityMethodInvestmentAdditionalInformation", "presentation": ["http://www.genie.com/role/EquityDetailsTextual"], "lang": { "en-us": { "role": { "terseLabel": "Ownership percentage", "label": "Equity Method Investment, Additional Information", "documentation": "This serves as a place to record data that is not required by accounting literature but is useful for readers of the financial statements as it relates to the details of an equity method investment in common stock. Such information may include the amount of change for a change in ownership (equity) percentage in a given period and the amount and type of the consideration given or received in relation to the change in ownership." } } }, "auth_ref": [] }, "us-gaap_EquityMethodInvestmentOwnershipPercentage": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityMethodInvestmentOwnershipPercentage", "presentation": ["http://www.genie.com/role/EquityDetailsTextual", "http://www.genie.com/role/RelatedPartyTransactionsDetailsTextual"], "lang": { "en-us": { "role": { "verboseLabel": "Outstanding equity percentage", "label": "Equity Method Investment, Ownership Percentage", "terseLabel": "Percentage of ownership", "documentation": "The percentage of ownership of common stock or equity participation in the investee accounted for under the equity method of accounting." } } }, "auth_ref": ["r454"] }, "us-gaap_EquityMethodInvestmentRealizedGainLossOnDisposal": { 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"http://www.genie.com/role/FairValueMeasurementsDetailsTextual"], "lang": { "en-us": { "role": { "verboseLabel": "Fair Value Measurements, Recurring and Nonrecurring [Table]", "label": "Fair Value Measurements, Recurring and Nonrecurring [Table]", "documentation": "Disclosure of information about asset and liability measured at fair value on recurring and nonrecurring basis." } } }, "auth_ref": ["r713", "r714", "r724", "r1091"] }, "us-gaap_FairValueAssetsMeasuredOnRecurringAndNonrecurringBasisTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueAssetsMeasuredOnRecurringAndNonrecurringBasisTableTextBlock", "presentation": [
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Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": [ "r1263", "r1420" ] }, "us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseNextTwelveMonths": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FiniteLivedIntangibleAssetsAmortizationExpenseNextTwelveMonths", "crdr": "debit", "presentation": [ "http://www.genie.com/role/GoodwillandOtherIntangibleAssetsDetailsTextual" ], "lang": { "en-us": { "role": { "verboseLabel": "Amortization expense of finite lives intangible assets, 2025", "terseLabel": "Amortization expense of finite lives intangible assets, 2019", "label": "Finite-Lived Intangible Assets, Amortization Expense, Next Twelve Months", "documentation": "Amount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in next fiscal year following current fiscal year. 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A major class is composed of intangible assets that can be grouped together because they are similar, either by their nature or by their use in the operations of the company." } } }, "auth_ref": [ "r497", "r502", "r507", "r1064" ] }, "ecd_IndividualAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "IndividualAxis", "presentation": [ "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements" ], "lang": { "en-us": { "role": { "label": "Individual [Axis]" } } }, "auth_ref": [ "r1142", "r1143", "r1144", "r1146", "r1147", "r1148", "r1151" ] }, "ecd_InsiderTradingArrLineItems": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "InsiderTradingArrLineItems", "lang": { "en-us": { "role": { "label": "Insider Trading Arrangements [Line Items]" } } }, "auth_ref": [ "r1149" ] }, "gne_IntangibleAssetsCurrentClassifiedAsHeldForSale": { "xbrltype": "monetaryItemType", "nsuri": "http://www.genie.com/20240630", "localname": "IntangibleAssetsCurrentClassifiedAsHeldForSale", "crdr": "debit", "presentation": [ "http://www.genie.com/role/AssetsandLiabilitiesHeldforSaleDetail" ], "lang": { "en-us": { "role": { "label": "Intangible Assets Current Classified as Held for Sale", "terseLabel": "Intangible (license)", "documentation": "The amount of current intangible assets associated with classified as held for sale." } } }, "auth_ref": [] }, "us-gaap_InterestExpenseDebt": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InterestExpenseDebt", "crdr": "debit", "calculation": { "http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFOPERATIONSUnaudited": { "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest", "weight": -1.0, "order": 3.0 } }, "presentation": [ "http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFOPERATIONSUnaudited" ], "lang": { "en-us": { "role": { "negatedLabel": "Interest expense", "label": "Interest Expense, Debt", "documentation": "Amount of the cost of borrowed funds accounted for as interest expense for debt." } } }, "auth_ref": [ "r194", "r567", "r576", "r1069", "r1070" ] }, "gne_InterestRate": { "xbrltype": "percentItemType", "nsuri": "http://www.genie.com/20240630", "localname": "InterestRate", "presentation": [ "http://www.genie.com/role/BasisofPresentationandBusinessChangesandDevelopmentDetails" ], "lang": { "en-us": { "role": { "documentation": "Represent interest rate.", "terseLabel": "Interest rate", "label": "Interest Rate" } } }, "auth_ref": [] }, "gne_InventoriesRenewableCredits": { "xbrltype": "monetaryItemType", "nsuri": "http://www.genie.com/20240630", "localname": "InventoriesRenewableCredits", "crdr": "debit", "calculation": { "http://www.genie.com/role/InventoriesDetails": { "parentTag": "us-gaap_InventoryNet", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://www.genie.com/role/InventoriesDetails" ], "lang": { "en-us": { "role": { "label": "Inventories Renewable credits", "terseLabel": "Renewable credits" } } }, "auth_ref": [] }, "us-gaap_InventoryDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryDisclosureAbstract", "lang": { "en-us": { "role": { "label": "Inventories", "terseLabel": "Inventories" } } }, "auth_ref": [] }, "us-gaap_InventoryDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryDisclosureTextBlock", "presentation": [ "http://www.genie.com/role/Inventories" ], "lang": { "en-us": { "role": { "terseLabel": "Inventories", "label": "Inventory Disclosure [Text Block]", "documentation": "The entire disclosure for inventory. 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Includes, but is not limited to, interest expense for finance lease, amortization of right-of-use asset for finance lease, operating lease cost, short-term lease cost, variable lease cost and sublease income." } } }, "auth_ref": [ "r1353" ] }, "us-gaap_LeasesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LeasesAbstract", "lang": { "en-us": { "role": { "label": "Leases" } } }, "auth_ref": [] }, "dei_LegalEntityAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "LegalEntityAxis", "presentation": [ "http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual", "http://www.genie.com/role/BasisofPresentationandBusinessChangesandDevelopmentDetails", "http://www.genie.com/role/CashCashEquivalentsandRestrictedCashDetailsTextual", "http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual", "http://www.genie.com/role/FairValueMeasurementsDetailsTextual" ], "lang": { "en-us": { "role": { "verboseLabel": "Legal Entity [Axis]", "label": "Legal Entity [Axis]", "documentation": "The set of legal entities associated with a report." } } }, "auth_ref": [] }, "us-gaap_LesseeOperatingLeaseLiabilityMaturityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityMaturityTableTextBlock", "presentation": [ "http://www.genie.com/role/LeasesTables" ], "lang": { "en-us": { "role": { "terseLabel": "Schedule of future operating lease", "label": "Lessee, Operating Lease, Liability, Maturity [Table Text Block]", "documentation": "Tabular disclosure of undiscounted cash flows of lessee's operating lease liability. 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Examples of items that might be included in the application of this element may consist of letters of credit, standby letters of credit, and revolving credit arrangements, under which borrowings can be made up to a maximum amount as of any point in time conditional on satisfaction of specified terms before, as of and after the date of drawdowns on the line. Includes short-term obligations that would normally be classified as current liabilities but for which (a) postbalance sheet date issuance of a long term obligation to refinance the short term obligation on a long term basis, or (b) the enterprise has entered into a financing agreement that clearly permits the enterprise to refinance the short-term obligation on a long term basis and the following conditions are met (1) the agreement does not expire within 1 year and is not cancelable by the lender except for violation of an objectively determinable provision, (2) no violation exists at the BS date, and (3) the lender has entered into the financing agreement is expected to be financially capable of honoring the agreement." } } }, "auth_ref": ["r29", "r240", "r1374"] }, "us-gaap_LineOfCreditFacilityAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LineOfCreditFacilityAxis", "presentation": ["http://www.genie.com/role/DebtDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Lender Name [Axis]", "label": "Lender Name [Axis]", "documentation": "Information by name of lender, which may be a single entity (for example, but not limited to, a bank, pension fund, venture capital firm) or a group of entities that participate in the line of credit." } } }, "auth_ref": ["r162", "r168", "r1202", "r1279", "r1280"] }, "us-gaap_LineOfCreditFacilityCommitmentFeePercentage": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LineOfCreditFacilityCommitmentFeePercentage", "presentation": ["http://www.genie.com/role/DebtDetails"], "lang": { "en-us": { "role": { "label": "Line of Credit Facility, Commitment Fee Percentage", "terseLabel": "Percentage of fees for each letter of credit", "documentation": "The fee, expressed as a percentage of the line of credit facility, for the line of credit facility regardless of whether the facility has been used." } } }, "auth_ref": [] }, "us-gaap_LineOfCreditFacilityDescription": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LineOfCreditFacilityDescription", "presentation": ["http://www.genie.com/role/DebtDetails"], "lang": { "en-us": { "role": { "label": "Line of Credit Facility, Description", "terseLabel": "Credit facility, description", "documentation": "Description of the terms of a credit facility arrangement. 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Includes, but is not limited to, letter of credit, standby letter of credit, and revolving credit arrangement." } } }, "auth_ref": ["r162", "r168", "r537", "r1202", "r1279"] }, "us-gaap_LineOfCreditFacilityUnusedCapacityCommitmentFeePercentage": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LineOfCreditFacilityUnusedCapacityCommitmentFeePercentage", "presentation": ["http://www.genie.com/role/DebtDetails"], "lang": { "en-us": { "role": { "label": "Line of Credit Facility, Unused Capacity, Commitment Fee Percentage", "terseLabel": "Quarterly unused commitment fee", "documentation": "The fee, expressed as a percentage of the line of credit facility, for available but unused credit capacity under the credit facility." } } }, "auth_ref": [] }, "srt_LitigationCaseAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "LitigationCaseAxis", "presentation": ["http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual"], "lang": { "en-us": { "role": { "label": "Litigation Case [Axis]", "documentation": "Information by type of judicial proceeding, alternative dispute resolution or claim." } } }, "auth_ref": [] }, "srt_LitigationCaseTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "LitigationCaseTypeDomain", "presentation": ["http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual"], "lang": { "en-us": { "role": { "label": "Litigation Case [Domain]", "documentation": "Judicial proceeding, alternative dispute resolution or claim. 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Includes disclosure for allowance for credit losses." } } }, "auth_ref": [ "r742", "r1230" ] }, "gne_LoansPayableClassifiedAsHeldForSale": { "xbrltype": "monetaryItemType", "nsuri": "http://www.genie.com/20240630", "localname": "LoansPayableClassifiedAsHeldForSale", "crdr": "credit", "presentation": [ "http://www.genie.com/role/AssetsandLiabilitiesHeldforSaleDetail" ], "lang": { "en-us": { "role": { "label": "Loans Payable Classified as Held For Sale", "terseLabel": "Loans payable", "documentation": "The amount classified as loans payable attributable to held for sale or expected to be disposed of within one year or the normal operating cycle, if longer." } } }, "auth_ref": [] }, "us-gaap_LoansReceivableWithVariableRatesOfInterest1": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LoansReceivableWithVariableRatesOfInterest1", "crdr": "debit", "presentation": [ "http://www.genie.com/role/InvestmentinEquityMethodInvesteesDetailsTextual", "http://www.genie.com/role/RelatedPartyTransactionsDetailsTextual" ], "lang": { "en-us": { "role": { "terseLabel": "Agreed to loan amount", "label": "Loans Receivable with Variable Rates of Interest", "documentation": "Amount of loan with variable or adjustable rate of interest." } } }, "auth_ref": [ "r1233" ] }, "gne_LoansReceivableWithVariableRatesOfInterestTerm": { "xbrltype": "durationItemType", "nsuri": "http://www.genie.com/20240630", "localname": "LoansReceivableWithVariableRatesOfInterestTerm", "presentation": [ "http://www.genie.com/role/InvestmentinEquityMethodInvesteesDetailsTextual" ], "lang": { "en-us": { "role": { "documentation": "It reprent loans receivable with variable rates of interest term.", "terseLabel": "Loan payable term", "label": "Loans Receivable With Variable Rates Of Interest Term" } } }, "auth_ref": [] }, "dei_LocalPhoneNumber": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "LocalPhoneNumber", "presentation": [ "http://www.genie.com/role/DocumentAndEntityInformation" ], "lang": { "en-us": { "role": { "label": "Local Phone Number", "documentation": "Local phone number for entity." } } }, "auth_ref": [] }, "us-gaap_LongLivedAssetsHeldForSaleDescription": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongLivedAssetsHeldForSaleDescription", "presentation": [ "http://www.genie.com/role/AssetsandLiabilitiesHeldforSaleDetailsTextual" ], "lang": { "en-us": { "role": { "verboseLabel": "Description of Assets and liabilities held for sale", "label": "Long Lived Assets Held-for-sale, Description", "documentation": "A description of the assets to be disposed of and the facts and circumstances leading to the expected disposal, and the expected manner and timing of the disposal (generally no more than 12 months from the date of the balance sheet)." } } }, "auth_ref": [ "r31" ] }, "us-gaap_LongLivedAssetsHeldForSaleLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongLivedAssetsHeldForSaleLineItems", "presentation": [ "http://www.genie.com/role/AssetsandLiabilitiesHeldforSaleDetailsTextual" ], "lang": { "en-us": { "role": { "label": "Long Lived Assets Held-for-sale [Line Items]", "documentation": "Line items represent financial concepts included in a table. 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Excludes lease obligation." } } }, "auth_ref": [ "r29", "r240", "r560", "r575", "r1067", "r1068", "r1104", "r1374" ] }, "us-gaap_LongTermInvestments": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermInvestments", "crdr": "debit", "presentation": [ "http://www.genie.com/role/InvestmentsDetails" ], "lang": { "en-us": { "role": { "label": "Long-Term Investments", "terseLabel": "Total included in other noncurrent assets", "documentation": "The total amount of investments that are intended to be held for an extended period of time (longer than one operating cycle)." } } }, "auth_ref": [ "r291" ] }, "us-gaap_LongTermLineOfCredit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongTermLineOfCredit", "crdr": "credit", "presentation": [ "http://www.genie.com/role/DebtDetails" ], "lang": { "en-us": { "role": { "verboseLabel": "Revolving loan facility", "terseLabel": "Unused letters of credit", "label": "Long-term Line of Credit, Noncurrent", "documentation": "The carrying value as of the balance sheet date of the noncurrent portion of long-term obligations drawn from a line of credit, which is a bank's commitment to make loans up to a specific amount. Examples of items that might be included in the application of this element may consist of letters of credit, standby letters of credit, and revolving credit arrangements, under which borrowings can be made up to a maximum amount as of any point in time conditional on satisfaction of specified terms before, as of and after the date of drawdowns on the line. Includes short-term obligations that would normally be classified as current liabilities but for which (a) postbalance sheet date issuance of a long term obligation to refinance the short term obligation on a long term basis, or (b) the enterprise has entered into a financing agreement that clearly permits the enterprise to refinance the short-term obligation on a long term basis and the following conditions are met (1) the agreement does not expire within 1 year and is not cancelable by the lender except for violation of an objectively determinable provision, (2) no violation exists at the BS date, and (3) the lender has entered into the financing agreement is expected to be financially capable of honoring the agreement." } } }, "auth_ref": [ "r29", "r62", "r63" ] }, "gne_LongTermPurchaseCommitmentMaximumAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://www.genie.com/20240630", "localname": "LongTermPurchaseCommitmentMaximumAmount", "crdr": "credit", "presentation": [ "http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual" ], "lang": { "en-us": { "role": { "label": "Long Term Purchase Commitment, Maximum Amount", "documentation": "The maximum amount the entity agreed to spend under the long-term purchase commitment.", "terseLabel": "Long-term purchase commitment, Maximum amount" } } }, "auth_ref": [] }, "us-gaap_LongtermPurchaseCommitmentPeriod": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongtermPurchaseCommitmentPeriod", "presentation": [ "http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual" ], "lang": { "en-us": { "role": { "label": "Long-term Purchase Commitment, Period", "terseLabel": "Additional period of extended payment facilities", "documentation": "Period covered by the long-term purchase commitment, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days." } } }, "auth_ref": [] }, "us-gaap_LossContingenciesByNatureOfContingencyAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LossContingenciesByNatureOfContingencyAxis", "presentation": [ "http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual" ], "lang": { "en-us": { "role": { "label": "Loss Contingency Nature [Axis]", "documentation": "Information by type of existing condition, situation, or set of circumstances involving uncertainty as to possible loss to an enterprise that will ultimately be resolved when one or more future events occur or fail to occur." } } }, "auth_ref": [ "r525", "r526", "r527", "r531", "r648", "r893", "r1065", "r1274", "r1275" ] }, "us-gaap_LossContingenciesLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LossContingenciesLineItems", "presentation": [ "http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual" ], "lang": { "en-us": { "role": { "terseLabel": "Commitments and Contingencies", "label": "Loss Contingencies [Line Items]", "documentation": "Line items represent financial concepts included in a table. 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Excludes environmental contingency, warranty, and unconditional purchase obligation." } } }, "auth_ref": [ "r525", "r526", "r527", "r531", "r648", "r1065", "r1274", "r1275" ] }, "us-gaap_LossContingencyAccrualAtCarryingValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LossContingencyAccrualAtCarryingValue", "crdr": "credit", "presentation": [ "http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual" ], "lang": { "en-us": { "role": { "label": "Loss Contingency Accrual", "terseLabel": "Accrued payables for customer complaints", "documentation": "Amount of loss contingency liability." } } }, "auth_ref": [ "r525", "r1157" ] }, "us-gaap_LossContingencyDamagesSoughtValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LossContingencyDamagesSoughtValue", "crdr": "debit", "presentation": [ "http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual" ], "lang": { "en-us": { "role": { "label": "Loss Contingency, Damages Sought, Value", "terseLabel": "Principal amount of damages including accrued interest", "verboseLabel": "Loss contingency damages sought, value", "documentation": "The value (monetary amount) of the award the plaintiff seeks in the legal matter." } } }, "auth_ref": [ "r1273", "r1274", "r1275" ] }, "us-gaap_LossContingencyEstimateOfPossibleLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LossContingencyEstimateOfPossibleLoss", "crdr": "debit", "presentation": [ "http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual", "http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual" ], "lang": { "en-us": { "role": { "terseLabel": "Settlement payment amount", "label": "Loss Contingency, Estimate of Possible Loss", "documentation": "Reflects the estimated amount of loss from the specified contingency as of the balance sheet date." } } }, "auth_ref": [ "r526", "r527", "r530", "r531", "r648", "r1065" ] }, "us-gaap_LossContingencyNatureDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LossContingencyNatureDomain", "presentation": [ "http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual" ], "lang": { "en-us": { "role": { "label": "Loss Contingency, Nature [Domain]", "documentation": "An existing condition, situation, or set of circumstances involving uncertainty as to possible loss to an enterprise that will ultimately be resolved when one or more future events occur or fail to occur. Resolution of the uncertainty may confirm the incurrence of a loss or impairment of an asset or the incurrence of a liability." } } }, "auth_ref": [ "r525", "r526", "r527", "r531", "r648", "r893", "r1065", "r1274", "r1275" ] }, "gne_LossContingencyPenaltyPeriodForMarketingActivities": { "xbrltype": "durationItemType", "nsuri": "http://www.genie.com/20240630", "localname": "LossContingencyPenaltyPeriodForMarketingActivities", "presentation": [ "http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual" ], "lang": { "en-us": { "role": { "label": "Loss Contingency Penalty Period for Marketing Activities", "documentation": "The penalty period for door-to-door marketing activities in loss contingency.", "terseLabel": "Loss Contingency, Penalty period for marketing activities" } } }, "auth_ref": [] }, "gne_LossContingencyPenaltyPeriodForSuspensionOfLicense": { "xbrltype": "durationItemType", "nsuri": "http://www.genie.com/20240630", "localname": "LossContingencyPenaltyPeriodForSuspensionOfLicense", "presentation": [
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For example, an insurance recovery receivable." } } }, "auth_ref": ["r1278"] }, "gne_LumoEnergiaOyjMember": { "xbrltype": "domainItemType", "nsuri": "http://www.genie.com/20240630", "localname": "LumoEnergiaOyjMember", "presentation": ["http://www.genie.com/role/AcquisitionDetails", "http://www.genie.com/role/AcquisitionDetailsTextual", "http://www.genie.com/role/BasisofPresentationandBusinessChangesandDevelopmentDetails"], "lang": { "en-us": { "role": { "label": "Lumo Energia Oyj [Member]", "documentation": "This member stands for the information pertaining to lumo energia oyj." } } }, "auth_ref": [] }, "gne_LumoFinlandAndLumoSwedenMember": { "xbrltype": "domainItemType", "nsuri": "http://www.genie.com/20240630", "localname": "LumoFinlandAndLumoSwedenMember", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetails1", "http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetails2", "http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetails3", "http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual", "http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsTables"], "lang": { "en-us": { "role": { "documentation": "This member stands for the information pertaining to lumo finland and lumo sweden.", "terseLabel": "Lumo Finland and Lumo Sweden [Member]", "verboseLabel": "United Kingdom Operations [Member]", "label": "Lumo Finland and Lumo Sweden [Member]" } } }, "auth_ref": [] }, "gne_LumoFinlandGrantMember": { "xbrltype": "domainItemType", "nsuri": "http://www.genie.com/20240630", "localname": "LumoFinlandGrantMember", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual", "http://www.genie.com/role/EquityDetailsTextual"], "lang": { "en-us": { "role": { "terseLabel": "Lumo Finland Grant [Member]", "label": "Lumo Finland Grant [Member]" } } }, "auth_ref": [] }, "gne_LumoFinlandMember": { "xbrltype": "domainItemType", "nsuri": "http://www.genie.com/20240630", "localname": "LumoFinlandMember", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetails1", "http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Lumo Finland [Member]" } } }, "auth_ref": [] }, "gne_LumoSwedenMember": { "xbrltype": "domainItemType", "nsuri": "http://www.genie.com/20240630", "localname": "LumoSwedenMember", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Lumo Sweden [Member]" } } }, "auth_ref": [] }, "srt_MajorCustomersAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "MajorCustomersAxis", "presentation": ["http://www.genie.com/role/FairValueMeasurementsDetails1", "http://www.genie.com/role/FairValueMeasurementsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Customer [Axis]", "documentation": "Information by name or description of a single external customer or a group of external customers." } } }, "auth_ref": ["r417", "r1075", "r1117", "r1121", "r1291", "r1380", "r1384", "r1385", "r1387", "r1388", "r1389", "r1390", "r1391", "r1392", "r1393", "r1394", "r1395", "r1396", "r1397", "r1398", "r1399", "r1400", "r1401", "r1402", "r1403", "r1404", "r1405", "r1406", "r1407", "r1408", "r1409", "r1410", "r1411"] }, "us-gaap_MarketableSecuritiesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "MarketableSecuritiesCurrent", "crdr": "debit", "calculation": { "http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited", "http://www.genie.com/role/FairValueMeasurementsDetails"], "lang": { "en-us": { "role": { "label": "Marketable equity securities", "terseLabel": "Marketable equity securities", "documentation": "Amount of investment in marketable security, classified as current." } } }, "auth_ref": ["r1184"] }, "us-gaap_MarketableSecuritiesLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "MarketableSecuritiesLineItems", "presentation": ["http://www.genie.com/role/InvestmentsDetails"], "lang": { "en-us": { "role": { "label": "Marketable Securities [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [] }, "gne_MaximumAmountCollateralForLineOfCredit": { "xbrltype": "monetaryItemType", "nsuri": "http://www.genie.com/20240630", "localname": "MaximumAmountCollateralForLineOfCredit", "crdr": "debit", "presentation": ["http://www.genie.com/role/DebtDetails"], "lang": { "en-us": { "role": { "label": "Maximum Amount Collateral For Line Of Credit", "terseLabel": "Maximum amount of collateral under condition one", "documentation": "Maximum amount collateral for line of credit under condition one." } } }, "auth_ref": [] }, "srt_MaximumMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "MaximumMember", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual", "http://www.genie.com/role/BasisofPresentationandBusinessChangesandDevelopmentDetails", "http://www.genie.com/role/FairValueMeasurementsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Maximum [Member]", "documentation": "Upper limit of the provided range." } } }, "auth_ref": ["r267", "r268", "r269", "r270", "r271", "r280", "r281", "r526", "r527", "r528", "r529", "r618", "r648", "r717", "r811", "r881", "r883", "r893", "r930", "r931", "r996", "r1001", "r1003", "r1004", "r1022", "r1041", "r1042", "r1061", "r1071", "r1085", "r1097", "r1098", "r1102", "r1103", "r1118", "r1286", "r1362", "r1363", "r1364", "r1365", "r1366", "r1367"] }, "us-gaap_MergersAcquisitionsAndDispositionsDisclosuresTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "MergersAcquisitionsAndDispositionsDisclosuresTextBlock", "presentation": ["http://www.genie.com/role/Acquisition"], "lang": { "en-us": { "role": { "terseLabel": "Acquisition", "label": "Mergers, Acquisitions and Dispositions Disclosures [Text Block]", "documentation": "The entire disclosure for business combinations, including leverage buyout transactions (as applicable), and divestitures. This may include a description of a business combination or divestiture (or series of individually immaterial business combinations or divestitures) completed during the period, including background, timing, and assets and liabilities recognized and reclassified or sold. This element does not include fixed asset sales and plant closings." } } }, "auth_ref": ["r136", "r223"] }, "srt_MinimumMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "MinimumMember", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual", "http://www.genie.com/role/BasisofPresentationandBusinessChangesandDevelopmentDetails"], "lang": { "en-us": { "role": { "label": "Minimum [Member]", "documentation": "Lower limit of the provided range." } } }, "auth_ref": ["r267", "r268", "r269", "r270", "r271", "r280", "r281", "r526", "r527", "r528", "r529", "r618", "r648", "r717", "r811", "r881", "r883", "r893", "r930", "r931", "r996", "r1001", "r1003", "r1004", "r1022", "r1041", "r1042", "r1061", "r1071", "r1085", "r1097", "r1098", "r1102", "r1118", "r1286", "r1362", "r1363", "r1364", "r1365", "r1366", "r1367"] }, "us-gaap_MinorityInterest": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "MinorityInterest", "crdr": "credit", "calculation": { "http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited": { "parentTag": "us-gaap_StockholdersEquityIncludingPortionAttributableToNoncontrollingInterest", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited"], "lang": { "en-us": { "role": { "label": "Stockholders' Equity Attributable to Noncontrolling Interest", "verboseLabel": "Noncontrolling\u00a0interests", "documentation": "Amount of equity (deficit) attributable to noncontrolling interest. 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Financing activity cash flows include obtaining resources from owners and providing them with a return on, and a return of, their investment; borrowing money and repaying amounts borrowed, or settling the obligation; and obtaining and paying for other resources obtained from creditors on long-term credit." } } }, "auth_ref": ["r327"] }, "us-gaap_NetCashProvidedByUsedInFinancingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInFinancingActivitiesAbstract", "presentation": [

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Investing activity cash flows include making and collecting loans and acquiring and disposing of debt or equity instruments and property, plant, and equipment and other productive assets." } } }, "auth_ref": ["r327"] }, "us-gaap_NetCashProvidedByUsedInInvestingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInInvestingActivitiesAbstract", "presentation": ["http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFCASHFLOWSUnaudited"], "lang": { "en-us": { "role": { "verboseLabel": "Investing activities", "label": "Net Cash Provided By (Used In) Investing Activities [Abstract]" } } }, "auth_ref": [] }, "us-gaap_NetCashProvidedByUsedInOperatingActivities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInOperatingActivities", "calculation": { "http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFCASHFLOWSUnaudited": { "parentTag": "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "weight": 1.0, "order": 0.0 } }, "presentation": ["http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFCASHFLOWSUnaudited"], "lang": { "en-us": { "role": { "label": "Net Cash Provided by (Used in) Operating Activities", "totalLabel": "Net cash provided by operating activities", "verboseLabel": "Net cash used in operating activities", "documentation": "Amount of cash inflow (outflow) from operating activities, including discontinued operations. 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A noncontrolling interest is sometimes called a minority interest." } } }, "auth_ref": ["r92", "r595", "r1213", "r1214", "r1215", "r1216", "r1418"] }, "us-gaap_NonmonetaryTransactionTypeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NonmonetaryTransactionTypeAxis", "presentation": ["http://www.genie.com/role/RelatedPartyTransactionsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Nonmonetary Transaction Type [Axis]", "documentation": "Information by nature of the nonmonetary transaction or group of similar transactions, such as a barter or exchange." } } }, "auth_ref": ["r759", "r760", "r1106", "r1107", "r1108", "r1109", "r1110", "r1111", "r1112", "r1113"] }, "us-gaap_NonmonetaryTransactionTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NonmonetaryTransactionTypeDomain", "presentation": ["http://www.genie.com/role/RelatedPartyTransactionsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Nonmonetary Transaction Type [Domain]",

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A reportable segment is a component of an entity for which there is an accounting requirement to report separate financial information on that component in the entity's financial statements." } } }, "auth_ref": [ "r1052", "r1060", "r1225" ] }, "gne_O2023Q4DividendsMember": { "xbrltype": "domainItemType", "nsuri": "http://www.genie.com/20240630", "localname": "O2023Q4DividendsMember", "presentation": [ "http://www.genie.com/role/EquityDetails" ], "lang": { "en-us": { "role": { "label": "O 2023 Q4 Dividends [Member]", "documentation": "This member stands for the information pretraining to ordinary dividends paid for Q4 2023 (\"O 2023 Q4, Dividends\")." } } }, "auth_ref": [] }, "gne_O2024Q1DividendsMember": { "xbrltype": "domainItemType", "nsuri": "http://www.genie.com/20240630", "localname": "O2024Q1DividendsMember", "presentation": [ "http://www.genie.com/role/EquityDetails" ], "lang": { "en-us": { "role": { "documentation": "This member stands for the information pretraining to ordinary dividends paid for Q1 2024 (\"O 2024 Q1, Dividends\").", "label": "O 2024 Q1 Dividends [Member]" } } }, "auth_ref": [] }, "gne_O2024Q2DividendsMember": { "xbrltype": "domainItemType", "nsuri": "http://www.genie.com/20240630", "localname": "O2024Q2DividendsMember", "presentation": [ "http://www.genie.com/role/EquityDetailsTextual" ], "lang": { "en-us": { "role": { "documentation": "This member stands for the information pretraining to ordinary dividends paid for Q2 2024 (\"O 2024 Q2, Dividends\").", "label": "O 2024 Q2 Dividends [Member]" } } }, "auth_ref": [] }, "gne_OchHoldingCompanyAndEntrustGreenInitiativeFundLlcMember": { "xbrltype": "domainItemType", "nsuri": "http://www.genie.com/20240630", "localname": "OchHoldingCompanyAndEntrustGreenInitiativeFundLlcMember", "presentation": [ "http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual", "http://www.genie.com/role/SubsequentEventDetails" ], "lang": { "en-us": { "role": { "documentation": "This member stands for the information pertaining to \"OCH Holding Company and Entrust Green Initiative Fund, LLC\".", "terseLabel": "OCH Holding Company and Entrust Green Initiative Fund, LLC [Member]", "label": "OCH Holding Company and Entrust Green Initiative Fund, LLC [Member]" } } }, "auth_ref": [] }, "us-gaap_OfficeEquipmentMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OfficeEquipmentMember", "presentation": [ "http://www.genie.com/role/BasisofPresentationandBusinessChangesandDevelopmentDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Office equipment and other [Member]", "label": "Office Equipment [Member]", "documentation": "Tangible personal property used in an office setting. Examples include, but are not limited to, computers, copiers and fax machine." } } }, "auth_ref": [] }, "gne_OfficeOfAttorneyGeneralOfStateOfIllinoisMember": { "xbrltype": "domainItemType", "nsuri": "http://www.genie.com/20240630", "localname": "OfficeOfAttorneyGeneralOfStateOfIllinoisMember", "presentation": [ "http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual" ], "lang": { "en-us": { "role": { "label": "Office of Attorney General of State of Illinois [Member]", "terseLabel": "Office of the Attorney General of the State of Illinois [Member]", "documentation": "This member stands for information pertaining to Office of the Attorney General of the State of Illinois (\"IL AG\")." } } }, "auth_ref": [] }, "us-gaap_OilAndGasMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OilAndGasMember", "presentation": [ "http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFOPERATIONSUnaudited", "http://www.genie.com/role/RevenueRecognitionDetails", "http://www.genie.com/role/RevenueRecognitionDetails1" ], "lang": { "en-us": { "role": { "verboseLabel": "Revenues", "label": "Oil and Gas [Member]", "terseLabel": "Natural gas [Member]", "documentation": "Viscous liquid derived from petroleum and flammable gas occurring naturally underground." } } }, "auth_ref": [ "r1292" ] }, "us-gaap_OperatingExpensesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingExpensesAbstract", "presentation": [ "http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFOPERATIONSUnaudited", "http://www.genie.com/role/DivestitureOfMajorityInterestInAtidDrillingLtdDetails", "http://www.genie.com/role/InvestmentinEquityMethodInvesteesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Operating expenses:", "definitionGuidance": "OPERATING EXPENSES:", "verboseLabel": "Operating expenses and losses:", "label": "Operating Expenses [Abstract]" } } }, "auth_ref": [] }, "us-gaap_OperatingIncomeLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingIncomeLoss", "crdr": "credit", "calculation": { "http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFOPERATIONSUnaudited": { "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest", "weight": 1.0, "order": 0.0 } }, "presentation": [ "http://www.genie.com/role/BusinessSegmentInformationDetails", "http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFOPERATIONSUnaudited" ], "lang": { "en-us": { "role": { "label": "Income (loss) from operations", "verboseLabel": "Income (loss) from operations", "totalLabel": "Income from operations", "documentation": "The net result for the period of deducting operating expenses from operating revenues." } } }, "auth_ref": [ "r253", "r1051", "r1223", "r1226", "r1227", "r1228", "r1229" ] }, "us-gaap_OperatingLeaseCost": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseCost", "crdr": "debit", "presentation": [ "http://www.genie.com/role/LeasesDetailsTextual" ], "lang": { "en-us": { "role": { "terseLabel": "Operating leases, rent expense", "label": "Operating Lease, Cost", "documentation": "Amount of single lease cost, calculated by allocation of remaining cost of lease over remaining lease term. Includes, but is not limited to, single lease cost, after impairment of right-of-use asset, calculated by amortization of remaining right-of-use asset and accretion of lease liability." } } }, "auth_ref": [ "r752", "r1105" ] }, "gne_OperatingLeaseLiabilities": { "xbrltype": "monetaryItemType", "nsuri": "http://www.genie.com/20240630", "localname": "OperatingLeaseLiabilities", "crdr": "credit", "calculation": { "http://www.genie.com/role/LeasesDetails2Calc2": { "parentTag": null, "weight": null, "order": null, "root": true } }, "lang": { "en-us": { "role": { "terseLabel": "Total operating lease liabilities", "label": "Operating Lease Liabilities", "totalLabel": "Total operating lease liabilities" } } }, "auth_ref": [] }, "us-gaap_OperatingLeaseLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseLiability", "crdr": "credit", "calculation": { "http://www.genie.com/role/LeasesDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": [ "http://www.genie.com/role/LeasesDetails", "http://www.genie.com/role/LeasesDetails2" ], "lang": { "en-us": { "role": { "totalLabel": "Total operating lease liabilities", "label": "Operating Lease, Liability", "terseLabel": "Lease liabilites", "documentation": "Present value of lessee's discounted obligation for lease payments from operating lease." } } }, "auth_ref": [ "r749" ] }, "us-gaap_OperatingLeaseLiabilityCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseLiabilityCurrent", "crdr": "credit", "calculation": { "http://www.genie.com/role/LeasesDetails": { "parentTag": "us-gaap_OperatingLeaseLiability", "weight": 1.0, "order": 0.0 }, "http://www.genie.com/role/AccruedExpensesandOtherCurrentLiabilitiesScheduleofaccruedexpensesDetails1": { "parentTag": "us-gaap_OtherLiabilitiesCurrent", "weight": 1.0, "order": 4.0 } }, "presentation": [ "http://www.genie.com/role/AccruedExpensesandOtherCurrentLiabilitiesScheduleofaccruedexpensesDetails1", "http://www.genie.com/role/LeasesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Current lease liabilities", "label": "Operating Lease, Liability, Current", "verboseLabel": "Current portion of operating lease liabilities", "documentation": "Present value of lessee's discounted obligation for lease payments from operating lease, classified as current." } } }, "auth_ref": [ "r749" ] }, "us-gaap_OperatingLeaseLiabilityCurrentStatementOfFinancialPositionExtensibleList": { "xbrltype": "enumerationSetItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseLiabilityCurrentStatementOfFinancialPositionExtensibleList", "presentation": [ "http://www.genie.com/role/LeasesDetails" ], "lang": { "en-us": { "role": { "label": "Operating Lease, Liability, Current, Statement of Financial Position [Extensible Enumeration]", "documentation": "Indicates line item in statement of financial position that includes current operating lease liability." } } }, "auth_ref": [ "r750" ] }, "us-gaap_OperatingLeaseLiabilityNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingLeaseLiabilityNoncurrent", "crdr": "credit", "calculation": { "http://www.genie.com/role/LeasesDetails": { "parentTag": "us-gaap_OperatingLeaseLiability", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://www.genie.com/role/LeasesDetails" ], "lang": { "en-us": { "role": { "terseLabel": "Noncurrent portion of operating lease liabilities", "label": "Operating Lease, Liability, Noncurrent", "verboseLabel": "Noncurrent lease liabilities", "documentation": "Present value of lessee's discounted obligation for lease payments from operating lease, classified as noncurrent." } } },
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Excludes preferred shares repurchased and held as treasury shares." } } }, "auth_ref": ["r173", "r941"] }, "us-gaap_PrepaidExpenseCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PrepaidExpenseCurrent", "crdr": "debit", "calculation": { "http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited"], "lang": { "en-us": { "role": { "totalLabel": "Prepaid expenses", "verboseLabel": "Prepaid expenses", "label": "Prepaid Expense, Current", "documentation": "Amount of asset related to consideration paid in advance for costs that provide economic benefits within a future period of one year or the normal operating cycle, if longer." } } }, "auth_ref": ["r304", "r479", "r480", "r1047"] }, "us-gaap_PrepaidExpenseCurrentAndNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PrepaidExpenseCurrentAndNoncurrent", "crdr": "debit", "presentation": ["http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual"], "lang": { "en-us": { "role": { "terseLabel": "Advance payment", "label": "Prepaid Expense", "documentation": "Carrying amount as of the balance sheet date of expenditures made in advance of when the economic benefit of the cost will be realized, and which will be expensed in future periods with the passage of time or when a triggering event occurs." } } }, "auth_ref": ["r234", "r304", "r955", "r1372"] }, "us-gaap_PrepaidExpensesAndOtherCurrentAssetsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PrepaidExpensesAndOtherCurrentAssetsMember", "presentation": ["http://www.genie.com/role/VariableInterestEntityDetails1"], "lang": { "en-us": { "role": { "label": "Prepaid Expenses and Other Current Assets [Member]", "terseLabel": "Prepaid expenses and other current assets [Member]", "documentation": "Primary financial statement caption encompassing prepaid expenses and other current assets." } } }, "auth_ref": [] }, "gne_PrepaidExpensesMember": { "xbrltype": "domainItemType", "nsuri": "http://www.genie.com/20240630", "localname": "PrepaidExpensesMember", "presentation": ["http://www.genie.com/role/VariableInterestEntityDetails1"], "lang": { "en-us": { "role": { "documentation": "Prepaid expenses.", "terseLabel": "Prepaid expenses [Member]", "label": "Prepaid Expenses [Member]" } } }, "auth_ref": [] }, "gne_PrismSolarTechnologiesIncMember": { "xbrltype": "domainItemType", "nsuri": "http://www.genie.com/20240630", "localname": "PrismSolarTechnologiesIncMember", "presentation": ["http://www.genie.com/role/AcquisitionDetails", "http://www.genie.com/role/AcquisitionDetails1", "http://www.genie.com/role/FairValueMeasurementsDetailsTextual", "http://www.genie.com/role/LoanReceivableFromPrismSolarTechnologiesIncDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Prism Solar Technologies, Inc. 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Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures." } } }, "auth_ref": ["r1092", "r1333", "r1334", "r1344"] }, "us-gaap_PropertyPlantAndEquipmentNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentNet", "crdr": "debit", "calculation": { "http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited": { "parentTag": "us-gaap_Assets", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited"], "lang": { "en-us": { "role": { "verboseLabel": "Property and equipment, net", "label": "Property, Plant and Equipment, Net", "terseLabel": "Equipment, net", "totalLabel": "Property and equipment, net", "periodStartLabel": "Property, Plant and Equipment, Net, Beginning Balance", "periodEndLabel": "Property, Plant and Equipment, Net, Ending Balance", "documentation": "Amount after accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business to produce goods and services and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures." } } }, "auth_ref": ["r17", "r758", "r833", "r848", "r1114"] }, "us-gaap_PropertyPlantAndEquipmentTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentTypeDomain", "presentation": ["http://www.genie.com/role/BasisofPresentationandBusinessChangesandDevelopmentDetails"], "lang": { "en-us": { "role": { "label": "Property, Plant and Equipment, Type [Domain]", "documentation": "Listing of long-lived, physical assets that are used in the normal conduct of business to produce goods and services and not intended for resale. Examples include land, buildings, machinery and equipment, and other types of furniture and equipment including, but not limited to, office equipment, furniture and fixtures, and computer equipment and software." } } }, "auth_ref": ["r212", "r758"] }, "us-gaap_PropertyPlantAndEquipmentUsefulLife": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentUsefulLife", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual"], "lang": { "en-us": { "role": { "verboseLabel": "Weighted average useful life", "label": "Property, Plant and Equipment, Useful Life", "documentation": "Useful life of long lived, physical assets used in the normal conduct of business and not intended for resale, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. Examples include, but not limited to, land, buildings, machinery and equipment, office equipment, furniture and fixtures, and computer equipment." } } }, "auth_ref": [] }, "us-gaap_ProvisionForDoubtfulAccounts": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProvisionForDoubtfulAccounts", "crdr": "debit", "calculation": { "http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFCASHFLOWSUnaudited": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivitiesContinuingOperations", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://www.genie.com/role/BusinessSegmentInformationDetails", "http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFCASHFLOWSUnaudited", "http://www.genie.com/role/RevenueRecognitionDetails3"], "lang": { "en-us": { "role": { "negatedLabel": "Provision for doubtful accounts receivable", "verboseLabel": "Provision for doubtful accounts receivables", "terseLabel": "Provision for doubtful accounts receivable", "label": "Provision for doubtful accounts receivable", "positiveLabel": "Additions charged to expense", "documentation": "Amount of expense (reversal of expense) for expected credit loss on accounts receivable." } } }, "auth_ref": ["r323", "r468"] }, "gne_ProvisionForInsuranceLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://www.genie.com/20240630", "localname": "ProvisionForInsuranceLiability", "crdr": "credit", "presentation": ["http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual"], "lang": { "en-us": { "role": { "documentation": "The amount of provision made for insurance liability.", "terseLabel": "Provision for insurance liability", "label": "Provision For Insurance Liability" } } }, "auth_ref": [] }, "us-gaap_PurchaseCommitmentExcludingLongtermCommitmentTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PurchaseCommitmentExcludingLongtermCommitmentTableTextBlock", "presentation": ["http://www.genie.com/role/CommitmentsandContingenciesTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of purchase commitments outstanding", "label": "Purchase Commitment, Excluding Long-term Commitment [Table Text Block]", "documentation": "Tabular disclosure of arrangements in which the entity has agreed to procure goods or services from one or more suppliers. May include identification of the goods or services to be purchased, identity of the seller, pricing, effects on pricing for failing to reach minimum quantities required to be purchased (such as penalties), cancellation rights, and termination provisions." } } }, "auth_ref": ["r171", "r241"] }, "gne_PurchaseCommitmentsMember": { "xbrltype": "domainItemType", "nsuri": "http://www.genie.com/20240630", "localname": "PurchaseCommitmentsMember", "presentation": ["http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual"], "lang": { "en-us": { "role": { "label": "Purchase Commitments [Member]" } } }, "auth_ref": [] }, "gne_PurchaseOElectricityRelatedExpenses": { "xbrltype": "monetaryItemType", "nsuri": "http://www.genie.com/20240630", "localname": "PurchaseOElectricityRelatedExpenses", "crdr": "credit", "presentation": ["http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual"], "lang": { "en-us": { "role": { "label": "Purchase of Electricity expenses", "documentation": "Amount of purchase of electricity expenses." } } }, "auth_ref": [] }, "gne_PurchaseOfRenewableEnergyCredit": { "xbrltype": "monetaryItemType", "nsuri": "http://www.genie.com/20240630", "localname": "PurchaseOfRenewableEnergyCredit", "crdr": "credit", "presentation": ["http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual"], "lang": { "en-us": { "role": { "label": "Purchase Of Renewable Energy Credit", "verboseLabel": "Purchase of renewable energy credit", "documentation": "Purchase of renewable energy credit." } } }, "auth_ref": [] }, "gne_RafaelHoldingsMember": { "xbrltype": "domainItemType", "nsuri": "http://www.genie.com/20240630", "localname": "RafaelHoldingsMember", "presentation": ["http://www.genie.com/role/InvestmentsDetails", "http://www.genie.com/role/RelatedPartyTransactionsDetails", "http://www.genie.com/role/RelatedPartyTransactionsDetails1", "http://www.genie.com/role/RelatedPartyTransactionsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Rafael Holdings [Member]", "terseLabel": "Rafael [Member]", "documentation": "This member stands for information pertaining to Rafael Holdings, Inc.", "verboseLabel": "Rafael Holdings Inc [Member]" } } }, "auth_ref": [] }, "srt_RangeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "RangeAxis", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual", "http://www.genie.com/role/BasisofPresentationandBusinessChangesandDevelopmentDetails", "http://www.genie.com/role/FairValueMeasurementsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Range [Axis]", "documentation": "Information by statistical measurement. Includes, but is not limited to, minimum, maximum, weighted average, arithmetic average, and median." } } }, "auth_ref": ["r267", "r268", "r269", "r270", "r271", "r280", "r281", "r526", "r527", "r528", "r529", "r610", "r618", "r641", "r642", "r643", "r648", "r717", "r783", "r795", "r811", "r881", "r883", "r893", "r930", "r931", "r996", "r1001", "r1003", "r1004", "r1022", "r1041", "r1042", "r1061", "r1071", "r1085", "r1097", "r1098", "r1102", "r1103", "r1118", "r1128", "r1271", "r1286", "r1336", "r1363", "r1364", "r1365", "r1366", "r1367"] }, "srt_RangeMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "RangeMember", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual", "http://www.genie.com/role/BasisofPresentationandBusinessChangesandDevelopmentDetails", "http://www.genie.com/role/FairValueMeasurementsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Range [Domain]", "documentation": "Statistical measurement. Includes, but is not limited to, minimum, maximum, weighted average, arithmetic average, and median." } } }, "auth_ref": ["r267", "r268", "r269", "r270", "r271", "r280", "r281", "r526", "r527", "r528", "r529", "r610", "r618", "r641", "r642", "r643", "r648", "r717", "r783", "r795", "r811", "r881", "r883", "r893", "r930", "r931", "r996", "r1001", "r1003", "r1004", "r1022", "r1041", "r1042", "r1061", "r1071", "r1085", "r1097", "r1098", "r1102", "r1103", "r1118", "r1128", "r1271", "r1286", "r1336", "r1363", "r1364", "r1365", "r1366", "r1367"] }, "gne_RcesTransferredToIncumbentUtilities": { "xbrltype": "integerItemType", "nsuri": "http://www.genie.com/20240630", "localname": "RcesTransferredToIncumbentUtilities", "presentation": ["http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual"], "lang": { "en-us": { "role": { "documentation": "RCEs transferred to incumbent utilities during the period.", "terseLabel": "RCEs transferred to incumbent utilities", "label": "Rces Transferred To Incumbent Utilities" } } }, "auth_ref": [] }, "us-gaap_RealizedInvestmentGainsLosses": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RealizedInvestmentGainsLosses", "crdr": "credit", "presentation": ["http://www.genie.com/role/RelatedPartyTransactionsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Recognized gains on investment", "terseLabel": "Recognized gains on investment", "documentation": "Amount of realized gain (loss) on investment." } } }, "auth_ref": ["r861"] }, "us-gaap_ReceivableFromShareholdersOrAffiliatesForIssuanceOfCapitalStock": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ReceivableFromShareholdersOrAffiliatesForIssuanceOfCapitalStock", "crdr": "debit", "presentation": ["http://www.genie.com/role/EquityDetailsTextual"], "lang": { "en-us": { "role": { "label": "Receivable from Shareholders or Affiliates for Issuance of Capital Stock", "verboseLabel": "Sale of stock consideration by promissory note", "documentation": "Amount due from owner or affiliate of reporting entity for issuance of shares. Includes, but is not limited to, amount due for award under share-based payment arrangement. Excludes amount due from officer or director." } } }, "auth_ref": ["r174", "r178"] }, "us-gaap_ReceivableTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ReceivableTypeDomain", "presentation": ["http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual"], "lang": { "en-us": { "role": { "label": "Receivable [Domain]", "documentation": "Financing arrangement representing a contractual right to receive money either on demand or on fixed and determinable dates." } } }, "auth_ref": ["r175", "r181"] }, "us-gaap_ReceivablesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ReceivablesAbstract", "lang": { "en-us": { "role": { "label": "Loan Receivable from Prism Solar Technologies, Inc. [Abstract]" } } }, "auth_ref": [] }, "us-gaap_ReceivablesFairValueDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ReceivablesFairValueDisclosureAbstract", "presentation": ["http://www.genie.com/role/FairValueMeasurementsDetailsTextual"], "lang": { "en-us": { "role": { "verboseLabel": "Receivables, Fair Value Disclosure [Abstract]", "label": "Fair Value Measurements (Textual)" } } }, "auth_ref": [] }, "gne_RecentlyIssuedAccountingStandardsTextual": { "xbrltype": "stringItemType", "nsuri": "http://www.genie.com/20240630", "localname": "RecentlyIssuedAccountingStandardsTextual", "presentation": ["http://www.genie.com/role/RecentlyIssuedAccountingStandardsDetails"], "lang": { "en-us": { "role": { "label": "Recently Issued Accounting Standards Textual", "terseLabel": "Recently Issued Accounting Standards (Textual)" } } }, "auth_ref": [] }, "gne_ReclassificationAdjustmentAxis": { "xbrltype": "stringItemType", "nsuri": "http://www.genie.com/20240630", "localname": "ReclassificationAdjustmentAxis", "presentation": ["http://www.genie.com/role/BasisofPresentationandBusinessChangesandDevelopmentDetails"], "lang": { "en-us": { "role": { "label": "Reclassification Adjustment [Axis]" } } }, "auth_ref": [] }, "gne_ReclassificationAdjustmentDomain": { "xbrltype": "domainItemType", "nsuri": "http://www.genie.com/20240630", "localname": "ReclassificationAdjustmentDomain", "presentation": ["http://www.genie.com/role/BasisofPresentationandBusinessChangesandDevelopmentDetails"], "lang": { "en-us": { "role": { "label": "Reclassification Adjustment [Domain]" } } }, "auth_ref": [] }, "us-gaap_ReconciliationOfAssetsFromSegmentToConsolidatedTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ReconciliationOfAssetsFromSegmentToConsolidatedTable", "presentation": ["http://www.genie.com/role/BusinessSegmentInformationDetails1"], "lang": { "en-us": { "role": { "label": "Reconciliation of Assets from Segment to Consolidated [Table]", "documentation": "Disclosure of information about identification, description, and amounts of all significant reconciling items in the reconciliation of total assets from reportable segments to the entity's consolidated assets." } } }, "auth_ref": ["r57", "r58"] }, "us-gaap_ReconciliationOfAssetsFromSegmentToConsolidatedTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ReconciliationOfAssetsFromSegmentToConsolidatedTextBlock", "presentation": ["http://www.genie.com/role/BusinessSegmentInformationTables"], "lang": { "en-us": { "role": { "label": "Reconciliation of Assets from Segment to Consolidated [Table Text Block]", "verboseLabel": "Schedule of total assets for the

business segments", "documentation": "Tabular disclosure of all significant reconciling items in the reconciliation of total assets from reportable segments to the entity's consolidated assets." } } }, "auth_ref": ["r57", "r58"] }, "gne_RecoveryOfPaymentsMember": { "xbrltype": "domainItemType", "nsuri": "http://www.genie.com/20240630", "localname": "RecoveryOfPaymentsMember", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Recovery of payments [Member]" } } }, "auth_ref": [] }, "gne_RecoveryOfPaymentsUnderParentalGuaranteeMember": { "xbrltype": "domainItemType", "nsuri": "http://www.genie.com/20240630", "localname": "RecoveryOfPaymentsUnderParentalGuaranteeMember", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Recovery Of Payments Under Parental Guarantee [Member]" } } }, "auth_ref": [] }, "us-gaap_RedeemablePreferredStockDividends": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RedeemablePreferredStockDividends", "crdr": "debit", "presentation": ["http://www.genie.com/role/EquityDetailsTextual"], "lang": { "en-us": { "role": { "terseLabel": "Preferred stock dividend redeemable", "label": "Redeemable Preferred Stock Dividends", "documentation": "Dividends paid to preferred stock holders that is redeemable solely at the option of the issuer." } } }, "auth_ref": ["r24", "r44", "r222"] }, "gne_ReductionInLiabilityForSettlementPayment": { "xbrltype": "monetaryItemType", "nsuri": "http://www.genie.com/20240630", "localname": "ReductionInLiabilityForSettlementPayment", "crdr": "debit", "presentation": ["http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual"], "lang": { "en-us": { "role": { "negatedLabel": "Liability for the settlement payment", "documentation": "It represents reduction of liability for the settlement payment.", "terseLabel": "Liability for the settlement payment", "label": "Reduction In Liability For Settlement Payment" } } }, "auth_ref": [] }, "us-gaap_RelatedPartyDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyDomain", "presentation": ["http://www.genie.com/role/AccruedExpensesandOtherCurrentLiabilitiesScheduleofaccruedexpensesDetails1", "http://www.genie.com/role/AcquisitionofSmileEnergyGKDetails", "http://www.genie.com/role/AssetsandLiabilitiesHeldforSaleDetailsTextual", "http://www.genie.com/role/BasisofPresentationandBusinessChangesandDevelopmentDetails", "http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited", "http://www.genie.com/role/CashCashEquivalentsandRestrictedCashDetailsTextual", "http://www.genie.com/role/DivestitureOfMajorityInterestInAtidDrillingLtdDetailsTextual", "http://www.genie.com/role/EquityDetailsTextual", "http://www.genie.com/role/InvestmentinEquityMethodInvesteesDetailsTextual", "http://www.genie.com/role/RelatedPartyTransactionsDetails", "http://www.genie.com/role/RelatedPartyTransactionsDetails1", "http://www.genie.com/role/RelatedPartyTransactionsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Related Party [Domain]", "documentation": "Related and nonrelated parties. Related party includes, but is not limited to, affiliate, other entity for which investment is accounted for under equity method, trust for benefit of employee, principal owner, management, and member of immediate family, and other party that may be prevented from pursuing separate interests because of control, significant influence, or ownership interest." } } }, "auth_ref": ["r419", "r617", "r768", "r769", "r840", "r847", "r934", "r935", "r936", "r937", "r938", "r961", "r963", "r994"] }, "us-gaap_RelatedPartyMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyMember", "presentation": ["http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited", "http://www.genie.com/role/DivestitureOfMajorityInterestInAtidDrillingLtdDetailsTextual", "http://www.genie.com/role/InvestmentinEquityMethodInvesteesDetailsTextual", "http://www.genie.com/role/RelatedPartyTransactionsDetails", "http://www.genie.com/role/RelatedPartyTransactionsDetails1", "http://www.genie.com/role/RelatedPartyTransactionsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Related Party [Member]", "documentation": "Party related to reporting entity. Includes, but is not limited to, affiliate, entity for which investment is accounted for by equity method, trust for benefit of employees, and principal owner, management, and members of immediate family." } } }, "auth_ref": ["r334", "r335", "r768", "r769", "r770", "r771", "r840", "r847", "r934", "r935", "r936", "r937", "r938", "r961", "r963", "r994"] }, "us-gaap_RelatedPartyTransactionAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyTransactionAxis", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual", "http://www.genie.com/role/AssetsandLiabilitiesHeldforSaleDetailsTextual", "http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual", "http://www.genie.com/role/LoanReceivableFromPrismSolarTechnologiesIncDetails", "http://www.genie.com/role/RelatedPartyTransactionsDetails", "http://www.genie.com/role/RelatedPartyTransactionsDetails1", "http://www.genie.com/role/RelatedPartyTransactionsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Related Party Transaction [Axis]", "documentation": "Information by type of related party transaction." } } }, "auth_ref": ["r768", "r769", "r1359"] }, "us-gaap_RelatedPartyTransactionDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyTransactionDomain", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual", "http://www.genie.com/role/AssetsandLiabilitiesHeldforSaleDetailsTextual", "http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual", "http://www.genie.com/role/LoanReceivableFromPrismSolarTechnologiesIncDetails", "http://www.genie.com/role/RelatedPartyTransactionsDetails", "http://www.genie.com/role/RelatedPartyTransactionsDetails1", "http://www.genie.com/role/RelatedPartyTransactionsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Related Party Transaction [Domain]", "documentation": "Transaction between related party." } } }, "auth_ref": [] }, "us-gaap_RelatedPartyTransactionLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyTransactionLineItems", "presentation": ["http://www.genie.com/role/RelatedPartyTransactionsDetails", "http://www.genie.com/role/RelatedPartyTransactionsDetails1", "http://www.genie.com/role/RelatedPartyTransactionsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Related Party Transaction [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r419", "r968", "r969", "r972"] }, "gne_RelatedPartyTransactionReductionOfSellingGeneralAndAdministrativeExpensesFromTransactionsWithRelatedParty": { "xbrltype": "monetaryItemType", "nsuri": "http://www.genie.com/20240630", "localname": "RelatedPartyTransactionReductionOfSellingGeneralAndAdministrativeExpensesFromTransactionsWithRelatedParty", "crdr": "credit", "presentation": ["http://www.genie.com/role/RelatedPartyTransactionsDetails"], "lang": { "en-us": { "role": { "label": "Related Party Transaction Reduction Of Selling General And Administrative Expenses From Transactions With Related Party", "terseLabel": "Amount the Company charged IDT", "documentation": "Reduction of selling, general and administrative expenses resulting from transactions with related party." } } }, "auth_ref": [] }, "us-gaap_RelatedPartyTransactionsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyTransactionsAbstract", "lang": { "en-us": { "role": { "label": "Related Party Transactions", "verboseLabel": "Related Party Transactions [Abstract]" } } }, "auth_ref": [] }, "us-gaap_RelatedPartyTransactionsByRelatedPartyAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyTransactionsByRelatedPartyAxis", "presentation": ["http://www.genie.com/role/AccruedExpensesandOtherCurrentLiabilitiesScheduleofaccruedexpensesDetails1", "http://www.genie.com/role/AcquisitionofSmileEnergyGKDetails", "http://www.genie.com/role/AssetsandLiabilitiesHeldforSaleDetailsTextual", "http://www.genie.com/role/BasisofPresentationandBusinessChangesandDevelopmentDetails", "http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited", "http://www.genie.com/role/CashCashEquivalentsandRestrictedCashDetailsTextual", "http://www.genie.com/role/DivestitureOfMajorityInterestInAtidDrillingLtdDetailsTextual", "http://www.genie.com/role/EquityDetailsTextual", "http://www.genie.com/role/InvestmentinEquityMethodInvesteesDetailsTextual", "http://www.genie.com/role/RelatedPartyTransactionsDetails", "http://www.genie.com/role/RelatedPartyTransactionsDetails1", "http://www.genie.com/role/RelatedPartyTransactionsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Related Party [Axis]", "documentation": "Information by related and nonrelated parties. Related party includes, but is not limited to, affiliate, other entity for which investment is accounted for under equity method, trust for benefit of employee, principal owner, management, and member of immediate family, and other party that may be prevented from pursuing separate interests because of control, significant influence, or ownership interest." } } }, "auth_ref": ["r419", "r617", "r768", "r769", "r840", "r847", "r934", "r935", "r936", "r937", "r938", "r961", "r963", "r994", "r1359"] }, "us-gaap_RelatedPartyTransactionsDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyTransactionsDisclosureTextBlock", "presentation": ["http://www.genie.com/role/RelatedPartyTransactions"], "lang": { "en-us": { "role": { "verboseLabel": "Related Party Transactions", "label": "Related Party Transactions Disclosure [Text Block]", "documentation": "The entire disclosure for related party transactions. Examples of related party transactions include transactions between (a) a parent company and its subsidiary; (b) subsidiaries of a common parent; (c) and entity and its principal owners; and (d) affiliates." } } }, "auth_ref": ["r765", "r766", "r767", "r769", "r772", "r902", "r903", "r904", "r970", "r971", "r972", "r991", "r993"] }, "gne_RemainingAcquiredInterestPercentage": { "xbrltype": "percentItemType", "nsuri": "http://www.genie.com/20240630", "localname": "RemainingAcquiredInterestPercentage", "presentation": ["http://www.genie.com/role/InvestmentinEquityMethodInvesteesDetailsTextual"], "lang": { "en-us": { "role": { "terseLabel": "Remaining acquired interest percentage", "label": "Remaining Acquired Interest Percentage" } } }, "auth_ref": [] }, "gne_RenegotiatedAgreementDescription": { "xbrltype": "stringItemType", "nsuri": "http://www.genie.com/20240630", "localname": "RenegotiatedAgreementDescription", "presentation": ["http://www.genie.com/role/EquityDetailsTextual"], "lang": { "en-us": { "role": { "documentation": "The description related to renegotiated agreement.", "terseLabel": "Renegotiated agreement, Description", "label": "Renegotiated Agreement Description" } } }, "auth_ref": [] }, "gne_RenewableEnergyCreditsMember": { "xbrltype": "domainItemType", "nsuri": "http://www.genie.com/20240630", "localname": "RenewableEnergyCreditsMember", "presentation": ["http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual"], "lang": { "en-us": { "role": { "label": "Renewable energy credits [Member]" } } }, "auth_ref": [] }, "gne_ResidentsEnergyMember": { "xbrltype": "domainItemType", "nsuri": "http://www.genie.com/20240630", "localname": "ResidentsEnergyMember", "presentation": ["http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual"], "lang": { "en-us": { "role": { "label": "Residents Energy [Member]", "terseLabel": "Residents Energy [Member]", "documentation": "This member stands for information pertaining to Residents Energy." } } }, "auth_ref": [] }, "gne_RestitutionPaymentsAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://www.genie.com/20240630", "localname": "RestitutionPaymentsAmount", "crdr": "credit", "presentation": ["http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual"], "lang": { "en-us": { "role": { "documentation": "The amount of restitution payments amount.", "terseLabel": "Restitution payments amount", "label": "Restitution Payments Amount" } } }, "auth_ref": [] }, "us-gaap_RestrictedCashAndCashEquivalentsAtCarryingValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedCashAndCashEquivalentsAtCarryingValue", "crdr": "debit", "calculation": { "http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 1.0 }, "http://www.genie.com/role/CashCashEquivalentsandRestrictedCashDetails": { "parentTag": "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited", "http://www.genie.com/role/CashCashEquivalentsandRestrictedCashDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Restricted cash-short-term", "terseLabel": "Restricted cash\u2014short-term", "label": "Restricted Cash and Cash Equivalents, Current", "definitionGuidance": "Restricted cash\u2014short-term", "documentation": "Amount of cash and cash equivalents restricted as to withdrawal or usage, classified as current. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. 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 interest rates." } } }, "auth_ref": ["r42", "r290", "r328"] }, "us-gaap_RestrictedCashAndCashEquivalentsNoncurrent": { "xbrltype": "monetaryItemType",

"nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedCashAndCashEquivalentsNoncurrent", "crdr": "debit", "calculation": { "http://www.genie.com/role/CashCashEquivalentsandRestrictedCashDetails": { "parentTag": "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.genie.com/role/CashCashEquivalentsandRestrictedCashDetails"], "lang": { "en-us": { "role": { "label": "Restricted Cash and Cash Equivalents, Noncurrent", "terseLabel": "Restricted cash\u2014long-term", "verboseLabel": "Restricted cash-long-term", "documentation": "Amount of cash and cash equivalents restricted as to withdrawal or usage, classified as noncurrent. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r42", "r259", "r328"] }, "us-gaap_RestrictedCashCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedCashCurrent", "crdr": "debit", "presentation": ["http://www.genie.com/role/CashCashEquivalentsandRestrictedCashDetailsTextual", "http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual"], "lang": { "en-us": { "role": { "terseLabel": "Restricted cash-short-term", "label": "Restricted Cash, Current", "documentation": "Amount of cash restricted as to withdrawal or usage, classified as current. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits." } } }, "auth_ref": ["r1181", "r1200"] }, "gne_RestrictedCashMember": { "xbrltype": "domainItemType", "nsuri": "http://www.genie.com/20240630", "localname": "RestrictedCashMember", "presentation": ["http://www.genie.com/role/VariableInterestEntityDetails1"], "lang": { "en-us": { "role": { "verboseLabel": "Cash, cash equivalents and restricted cash [Member]", "documentation": "Restricted cash.", "terseLabel": "Restricted cash [Member]", "label": "Restricted Cash [Member]" } } }, "auth_ref": [] }, "us-gaap_RestrictedCashNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedCashNoncurrent", "crdr": "debit", "calculation": { "http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited": { "parentTag": "us-gaap_Assets", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited", "http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual"], "lang": { "en-us": { "role": { "terseLabel": "Restricted cash\u2014long-term", "label": "Restricted Cash, Noncurrent", "documentation": "Amount of cash restricted as to withdrawal or usage, classified as noncurrent. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits." } } }, "auth_ref": ["r259", "r1183", "r1200"] }, "gne_RestrictedCommonStockPurchasedFromEmployees": { "xbrltype": "monetaryItemType", "nsuri": "http://www.genie.com/20240630", "localname": "RestrictedCommonStockPurchasedFromEmployees", "crdr": "debit", "presentation": ["http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFEQUITY"], "lang": { "en-us": { "role": { "label": "Restricted common stock purchased from employees.", "documentation": "The amount of restricted class B common stock purchased from employees.", "negatedLabel": "Restricted Class B common stock purchased from employees" } } }, "auth_ref": [] }, "gne_RestrictedCommonStockPurchasedFromRelatedParty": { "xbrltype": "monetaryItemType", "nsuri": "http://www.genie.com/20240630", "localname": "RestrictedCommonStockPurchasedFromRelatedParty", "crdr": "debit", "presentation": ["http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFEQUITY", "http://www.genie.com/role/RelatedPartyTransactionsDetailsTextual"], "lang": { "en-us": { "role": { "documentation": "The amount of restricted class B common stock purchased from related party.", "terseLabel": "Class B common stock purchased from Genie Energy Charitable Foundation", "label": "Restricted Common Stock Purchased From Related Party", "negatedLabel": "Class B common stock purchased from Genie Energy Charitable Foundation" } } }, "auth_ref": [] }, "us-gaap_RestrictedStockSharesIssuedNetOfSharesForTaxWithholdings": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedStockSharesIssuedNetOfSharesForTaxWithholdings", "presentation": ["http://www.genie.com/role/EquityDetailsTextual"], "lang": { "en-us": { "role": { "label": "Restricted Stock, Shares Issued Net of Shares for Tax Withholdings", "documentation": "Number, after shares used to satisfy grantee's tax withholding obligation for award under share-based payment arrangement, of restricted shares issued. Excludes cash used to satisfy grantee's tax withholding obligation." } } }, "auth_ref": [] }, "us-gaap_RetainedEarningsAccumulatedDeficit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RetainedEarningsAccumulatedDeficit", "crdr": "credit", "calculation": { "http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnaudited"], "lang": { "en-us": { "role": { "periodEndLabel": "Retained Earnings (Accumulated Deficit), Ending Balance", "periodStartLabel": "Retained Earnings (Accumulated Deficit), Beginning Balance", "totalLabel": "Retained earnings", "verboseLabel": "Accumulated deficit", "label": "Retained earnings (accumulated deficit)", "terseLabel": "Retained earnings", "documentation": "Amount of accumulated undistributed earnings (deficit)." } } }, "auth_ref": ["r177", "r222", "r844", "r888", "r892", "r900", "r942", "r1114"] }, "us-gaap_RetainedEarningsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RetainedEarningsMember", "presentation": ["http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFEQUITY"], "lang": { "en-us": { "role": { "terseLabel": "Retained Earnings", "label": "Retained Earnings [Member]", "documentation": "Accumulated undistributed earnings (deficit)." } } }, "auth_ref": ["r282", "r343", "r344", "r345", "r349", "r356", "r358", "r360", "r460", "r463", "r511", "r661", "r662", "r671", "r672", "r673", "r677", "r685", "r686", "r699", "r701", "r702", "r705", "r709", "r744", "r747", "r885", "r887", "r907", "r1418"] }, "us-gaap_RevenueFromContractWithCustomerAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerAbstract", "lang": { "en-us": { "role": { "label": "Revenue Recognition" } } }, "auth_ref": [] }, "us-gaap_RevenueFromContractWithCustomerTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerTextBlock", "presentation": ["http://www.genie.com/role/RevenueRecognition"], "lang": { "en-us": { "role": { "label": "Revenue from Contract with Customer [Text Block]", "terseLabel": "Revenue Recognition", "documentation": "The entire disclosure of revenue from contract with customer to transfer good or service and to transfer nonfinancial asset. Includes, but is not limited to, disaggregation of revenue, credit loss recognized from contract with customer, judgment and change in judgment related to contract with customer, and asset recognized from cost incurred to obtain or fulfill contract with customer. Excludes insurance and lease contracts." } } }, "auth_ref": ["r263", "r598", "r599", "r600", "r601", "r602", "r603", "r604", "r605", "r609"] }, "us-gaap_RevenueFromRightsConcentrationRiskMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromRightsConcentrationRiskMember", "presentation": ["http://www.genie.com/role/FairValueMeasurementsDetails1", "http://www.genie.com/role/FairValueMeasurementsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Revenue from Rights Concentration Risk [Member]", "documentation": "Reflects the percentage that license fee or royalty revenues during the period from other parties from use of a specified patent, trademark, or other form of right granted to such parties are to a specified benchmark, such as total license fees, total revenues, segment revenues or product line revenues. May also reflect the percentage contribution the revenue made to operating results. Risk is materially adverse effects of a loss of such revenues, which could occur upon loss of rights to sell, distribute or license others; loss of patent or copyright protection; or technological obsolescence." } } }, "auth_ref": ["r205"] }, "us-gaap_Revenues": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "Revenues", "crdr": "credit", "calculation": { "http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFOPERATIONSUnaudited": { "parentTag": "us-gaap_GrossProfit", "weight": 1.0, "order": 0.0 } }, "presentation": ["http://www.genie.com/role/BusinessSegmentInformationDetails", "http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFOPERATIONSUnaudited", "http://www.genie.com/role/RevenueRecognitionDetails", "http://www.genie.com/role/RevenueRecognitionDetails1"], "lang": { "en-us": { "role": { "label": "Revenues", "terseLabel": "Revenues", "verboseLabel": "Total revenues", "totalLabel": "Total revenues", "documentation": "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)." } } }, "auth_ref": ["r251", "r252", "r317", "r332", "r381", "r390", "r391", "r405", "r411", "r414", "r416", "r417", "r458", "r538", "r539", "r540", "r541", "r542", "r543", "r544", "r545", "r546", "r733", "r832", "r1056", "r1282"] }, "us-gaap_RevenuesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenuesAbstract", "presentation": ["http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFOPERATIONSUnaudited"], "lang": { "en-us": { "role": { "verboseLabel": "Revenues [Abstract]", "terseLabel": "Revenues:", "label": "Revenues [Abstract]" } } }, "auth_ref": [] }, "gne_RevenuesFromCustomersRiskMember": { "xbrltype": "domainItemType", "nsuri": "http://www.genie.com/20240630", "localname": "RevenuesFromCustomersRiskMember", "presentation": ["http://www.genie.com/role/BasisofPresentationandBusinessChangesandDevelopmentDetails"], "lang": { "en-us": { "role": { "label": "Revenues From Customers Risk [Member]", "terseLabel": "Revenues from Customers Risk [Member]", "documentation": "This member stands for the information pertaining to revenues from customers risk." } } }, "auth_ref": [] }, "us-gaap_RightOfUseAssetObtainedInExchangeForOperatingLeaseLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RightOfUseAssetObtainedInExchangeForOperatingLeaseLiability", "crdr": "debit", "presentation": ["http://www.genie.com/role/LeasesDetails1"], "lang": { "en-us": { "role": { "label": "Right-of-Use Asset Obtained in Exchange for Operating Lease Liability", "terseLabel": "Operating leases", "documentation": "Amount of increase in right-of-use asset obtained in exchange for operating lease liability." } } }, "auth_ref": ["r754", "r1105"] }, "gne_RightOfUseAssetsObtainedInExchangeForOperatingLeaseLiabilitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://www.genie.com/20240630", "localname": "RightOfUseAssetsObtainedInExchangeForOperatingLeaseLiabilitiesAbstract", "presentation": ["http://www.genie.com/role/LeasesDetails1"], "lang": { "en-us": { "role": { "label": "Right Of Use Assets Obtained In Exchange For Operating Lease Liabilities [Abstract]", "terseLabel": "ROU assets obtained in the exchange for lease liabilities", "documentation": "Assets obtained in the exchange for lease liabilities." } } }, "auth_ref": [] }, "us-gaap_RisksAndUncertainties Abstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RisksAndUncertainties Abstract", "lang": { "en-us": { "role": { "label": "Concentrations and Associated Credit Risk [Abstract]" } } }, "auth_ref": [] }, "gne_RodedRecyclingIndustriesLtdMember": { "xbrltype": "domainItemType", "nsuri": "http://www.genie.com/20240630", "localname": "RodedRecyclingIndustriesLtdMember", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetails", "http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual", "http://www.genie.com/role/InvestmentsDetails"], "lang": { "en-us": { "role": { "label": "Roded\u00a0Recycling\u00a0Industries Ltd. [Member]", "documentation": "This member stands for information pertaining to Roded\u00a0Recycling\u00a0Industries Ltd." } } }, "auth_ref": [] }, "ecd_Rule10b51ArrAdoptedFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "Rule10b51ArrAdoptedFlag", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"], "lang": { "en-us": { "role": { "label": "Rule 10b5-1 Arrangement Adopted [Flag]" } } }, "auth_ref": ["r1150"] }, "ecd_Rule10b51ArrTrmntdFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "Rule10b51ArrTrmntdFlag", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"], "lang": { "en-us": { "role": { "label": "Rule 10b5-1 Arrangement Terminated [Flag]" } } }, "auth_ref": ["r1150"] }, "us-gaap_SaleLeasebackTransactionNetBookValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SaleLeasebackTransactionNetBookValue", "crdr": "debit", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Sale Leaseback Transaction, Net Book Value", "terseLabel": "Net book value of the instruments sold", "documentation": "The net book value of the asset(s) sold in connection with the sale of the property to another party and lease back to the seller." } } }, "auth_ref": ["r255", "r256", "r257", "r1355"] }, "gne_SaleOfStockConsiderationReceivedOnTransactionPaidThroughPromissoryNoteInterestRate": { "xbrltype": "percentItemType", "nsuri": "http://www.genie.com/20240630", "localname": "SaleOfStockConsiderationReceivedOnTransactionPaidThroughPromissoryNoteInterestRate", "presentation": ["http://www.genie.com/role/EquityDetailsTextual"], "lang": { "en-us": { "role": { "documentation": "Accrued interest rate for stockholders equity note subscriptions receivable for stock option exercised in subsidiary interest rate stated percentage.", "terseLabel": "Note accrued interest", "label": "Sale Of Stock Consideration Received On Transaction Paid Through Promissory Note Interest Rate" } } }, "auth_ref": [] },

{"gne_SaleOfStockConsiderationReceivedOnTransactionPaidThroughPromissoryNoteMaturityDate": { "xbrltype": "dateItemType", "nsuri": "http://www.genie.com/20240630", "localname": "SaleOfStockConsiderationReceivedOnTransactionPaidThroughPromissoryNoteMaturityDate", "presentation": ["http://www.genie.com/role/EquityDetailsTextual"], "lang": { "en-us": { "role": { "documentation": "Sale of stock consideration received on transaction paid through promissory note maturity date.", "terseLabel": "Promissory note maturity date", "label": "Sale Of Stock Consideration Received On Transaction Paid Through Promissory Note Maturity Date" } } }, "auth_ref": [] }, "us-gaap_SaleOfStockConsiderationReceivedPerTransaction": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SaleOfStockConsiderationReceivedPerTransaction", "crdr": "debit", "presentation": ["http://www.genie.com/role/RelatedPartyTransactionsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Sale of Stock, Consideration Received Per Transaction", "measurementGuidance": "Sale of equity of subsidiary", "terseLabel": "Amount of subsidiary shares sold", "documentation": "Amount of consideration received by subsidiary or equity investee in exchange for shares of stock issued or sold. Includes amount of cash received, fair value of noncash assets received, and fair value of liabilities assumed by the investor." } } }, "auth_ref": [] }, "us-gaap_SaleOfStockDescriptionOfTransaction": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SaleOfStockDescriptionOfTransaction", "presentation": ["http://www.genie.com/role/EquityDetailsTextual"], "lang": { "en-us": { "role": { "terseLabel": "Description of sales of shares and warrants", "label": "Sale of Stock, Description of Transaction", "documentation": "Description of stock transaction which may include details of the offering (IPO, private placement), a description of the stock sold, percentage of subsidiary's or equity investee's stock sold, a description of the investors and whether the stock was issued in a business combination." } } }, "auth_ref": ["r23", "r97", "r226"] }, "us-gaap_SaleOfStockNumberOfSharesIssuedInTransaction": { "xbrltype": "sharesItemType", "nsuri": 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Includes, but is not limited to, recognized asset and liability." } } }, "auth_ref": ["r78", "r82", "r681"] }, "us-gaap_ScheduleOfBusinessAcquisitionsByAcquisitionTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfBusinessAcquisitionsByAcquisitionTextBlock", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsTables"], "lang": { "en-us": { "role": { "label": "Schedule of Business Acquisitions, by Acquisition [Table Text Block]", "terseLabel": "Schedule of impact of the acquisition's purchase price", "documentation": "Tabular disclosure of a material business combination completed during the period, including background, timing, and recognized assets and liabilities. This table does not include leveraged buyouts." } } }, "auth_ref": ["r78", "r82"] }, "us-gaap_ScheduleOfCashAndCashEquivalentsTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfCashAndCashEquivalentsTable", "presentation": ["http://www.genie.com/role/CashCashEquivalentsandRestrictedCashDetailsTextual"], "lang": { "en-us": { "role": { "label": "Schedule of Cash and Cash Equivalents [Table]", "documentation": "Disclosure of information about cash and cash equivalent by type. Excludes restricted cash and cash equivalent." } } }, "auth_ref": [] }, "us-gaap_ScheduleOfCashAndCashEquivalentsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfCashAndCashEquivalentsTableTextBlock", "presentation": ["http://www.genie.com/role/CashCashEquivalentsandRestrictedCashTables"], "lang": { "en-us": { "role": { "label": "Schedule of Cash and Cash Equivalents [Table Text Block]", "terseLabel": "Schedule of reconciliation of cash, cash equivalents, and restricted cash", "documentation": "Tabular disclosure of the components of cash and cash equivalents." } } }, "auth_ref": [] }, "us-gaap_ScheduleOfCashFlowSupplementalDisclosuresTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfCashFlowSupplementalDisclosuresTableTextBlock", "presentation": ["http://www.genie.com/role/LeasesTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of supplemental cash flow information", "label": "Schedule of Cash Flow, Supplemental Disclosures [Table Text Block]", "documentation": "Tabular disclosure of supplemental cash flow information for the periods presented." } } }, "auth_ref": [] }, "gne_ScheduleOfChangesInCaptiveInsuranceLiabilitiesTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://www.genie.com/20240630", "localname": "ScheduleOfChangesInCaptiveInsuranceLiabilitiesTableTextBlock", "presentation": ["http://www.genie.com/role/CommitmentsandContingenciesTables"], "lang": { "en-us": { "role": { "documentation": "Tabular disclosure of the changes in the captive insurance liabilities.", "terseLabel": "Schedule of change in the current and noncurrent captive insurance liabilities", "label": "Schedule of Changes in Captive Insurance Liabilities [Table Text Block]" } } }, "auth_ref": [] }, "us-gaap_ScheduleOfDerivativeInstrumentsGainLossInStatementOfFinancialPerformanceTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfDerivativeInstrumentsGainLossInStatementOfFinancialPerformanceTextBlock", "presentation": ["http://www.genie.com/role/DerivativeInstrumentsTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of derivative instruments on the consolidated statements of operations", "label": "Derivative Instruments, Gain (Loss) [Table Text Block]", "documentation": "Tabular disclosure of the location and amount of derivative instruments and nonderivative instruments designated as hedging instruments reported before netting adjustments, and the amount of gain (loss) on derivative instruments and nonderivative instruments designated and qualified as hedging instruments." } } }, "auth_ref": ["r115", "r119", "r697"] }, "gne_ScheduleOfDisposalGroupsIncludingDiscontinuedOperationsBalanceSheetDisclosuresTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://www.genie.com/20240630", "localname": "ScheduleOfDisposalGroupsIncludingDiscontinuedOperationsBalanceSheetDisclosuresTableTextBlock", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsTables"], "lang": { "en-us": { "role": { "label": "Schedule of assets and liabilities", "documentation": "Tabular disclosure of balance sheet information of assets and liabilities related to a disposal group." } } }, "auth_ref": [] }, "gne_ScheduleOfDisposalGroupsIncludingDiscontinuedOperationsCashFlowStatementDisclosuresTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://www.genie.com/20240630", "localname": "ScheduleOfDisposalGroupsIncludingDiscontinuedOperationsCashFlowStatementDisclosuresTableTextBlock", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsTables"], "lang": { "en-us": { "role": { "label": "Schedule of cash flows of discontinued operations", "documentation": "Tabular disclosure of statement of cash flow information related to a disposal group." } } }, "auth_ref": [] }, "us-gaap_ScheduleOfDisposalGroupsIncludingDiscontinuedOperationsIncomeStatementBalanceSheetAndAdditionalDisclosuresTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfDisposalGroupsIncludingDiscontinuedOperationsIncomeStatementBalanceSheetAndAdditionalDisclosuresTextBlock", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of operations of discontinued operations", "label": "Disposal Groups, Including Discontinued Operations [Table Text Block]", "documentation": "Tabular disclosure of information related to a disposal group. Includes, but is not limited to, a discontinued operation, disposal classified as held-for-sale or disposed of by means other than sale or disposal of an individually significant component." } } }, "auth_ref": ["r18", "r27", "r32", "r137", "r146", "r147", "r148", "r149", "r150", "r156", "r158", "r159", "r215"] }, "us-gaap_ScheduleOfEarningsPerShareBasicByCommonClassTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEarningsPerShareBasicByCommonClassTable", "presentation": ["http://www.genie.com/role/EarningsPerShareDetailsTextual"], "lang": { "en-us": { "role": { "label": "Schedule of Earnings Per Share, Basic, by Common Class, Including Two Class Method [Table]", "documentation": "Disclosure of information about basic earnings per share by class of stock. 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would result from applying domestic federal statutory tax rates to pretax income from continuing operations." } } }, "auth_ref": ["r655", "r1086", "r1321"] }, "srt_ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ScheduleOfEquityMethodInvestmentEquityMethodInvesteeNameAxis", "presentation": ["http://www.genie.com/role/AcquisitionsandDiscontinuedOperationsDetailsTextual", "http://www.genie.com/role/BasisofPresentationandBusinessChangesandDevelopmentDetails", "http://www.genie.com/role/DivestitureOfMajorityInterestInAtidDrillingLtdDetails", "http://www.genie.com/role/DivestitureOfMajorityInterestInAtidDrillingLtdDetailsTextual", "http://www.genie.com/role/EquityDetailsTextual", "http://www.genie.com/role/InvestmentinEquityMethodInvesteesDetails", "http://www.genie.com/role/InvestmentinEquityMethodInvesteesDetails1", "http://www.genie.com/role/InvestmentsDetails", "http://www.genie.com/role/RelatedPartyTransactionsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Investment, Name [Axis]", "documentation": "Information by name of investment including named security. Excludes entity that is consolidated." } } }, "auth_ref": ["r454", "r455", "r457", "r670", "r1158", "r1159", "r1160", "r1323", "r1324", "r1325", "r1326"] }, "us-gaap_ScheduleOfEquityMethodInvestmentsLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEquityMethodInvestmentsLineItems", "presentation": ["http://www.genie.com/role/DiscontinuedOperationsDetails3", "http://www.genie.com/role/DiscontinuedOperationsDetails4", "http://www.genie.com/role/DivestitureOfMajorityInterestInAtidDrillingLtdDetails", "http://www.genie.com/role/DivestitureOfMajorityInterestInAtidDrillingLtdDetailsTextual", "http://www.genie.com/role/InvestmentinEquityMethodInvesteesDetails", "http://www.genie.com/role/InvestmentinEquityMethodInvesteesDetails1"], "lang": { "en-us": { "role": { "label": "Schedule of Equity Method Investments [Line Items]", "documentation": "Line items represent financial concepts included in a table. 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Includes, but is not limited to, name of investee or group of investees, percentage ownership, difference between investment and value of underlying equity in net assets." } } }, "auth_ref": ["r287", "r332", "r454", "r455", "r457", "r458", "r733"] }, "us-gaap_ScheduleOfFairValueAssetsAndLiabilitiesMeasuredOnRecurringBasisTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfFairValueAssetsAndLiabilitiesMeasuredOnRecurringBasisTableTextBlock", "presentation": ["http://www.genie.com/role/FairValueMeasurementsTables"], "lang": { "en-us": { "role": { "verboseLabel": "Schedule of balance of assets and liabilities measured at fair value on a recurring basis", "label": "Schedule Of Fair Value, Assets and Liabilities Measured On Recurring Basis [Table Text Block]", "documentation": "Tabular disclosure of assets and liabilities, including [financial] instruments measured at fair value that are classified in stockholders' equity, if any, that are measured at fair value on a recurring basis. The disclosures contemplated herein include the fair value measurements at the reporting date by the level within the fair value hierarchy in which the fair value measurements in their entirety fall, segregating fair value measurements using quoted prices in active markets for identical assets (Level 1), significant other observable inputs (Level 2), and significant unobservable inputs (Level 3)." } } }, "auth_ref": ["r1333", "r1334"] }, "us-gaap_ScheduleOfFiniteLivedIntangibleAssetsTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfFiniteLivedIntangibleAssetsTable", "presentation": ["http://www.genie.com/role/GoodwillandOtherIntangibleAssetsDetails1"], "lang": { "en-us": { "role": { "label": "Schedule of Finite-Lived Intangible Assets [Table]", "documentation": "Disclosure of information about finite-lived intangible asset. Excludes indefinite-lived intangible asset." } } }, "auth_ref": ["r497", "r504", "r508", "r509", "r510", "r818", "r1043", "r1064"] }, "us-gaap_ScheduleOfFiniteLivedIntangibleAssetsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfFiniteLivedIntangibleAssetsTableTextBlock", "presentation": ["http://www.genie.com/role/GoodwillandOtherIntangibleAssetsTables"], "lang": { "en-us": { "role": { "label": "Schedule of Finite-Lived Intangible Assets [Table Text Block]", "verboseLabel": "Schedule of other intangible assets", "documentation": "Tabular disclosure of assets, excluding financial assets and goodwill, lacking physical substance with a finite life, by either major class or business segment." } } }, "auth_ref": ["r1064", "r1261"] }, "us-gaap_ScheduleOfGoodwillTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfGoodwillTable", "presentation": ["http://www.genie.com/role/GoodwillandOtherIntangibleAssetsDetails"], "lang": { "en-us": { "role": { "label": "Schedule of Goodwill [Table]", "documentation": "Disclosure of information about goodwill, including, but not limited to, change from acquisition, sale, impairment, and other reason." } } }, "auth_ref": ["r486", "r487", "r488", "r489", "r490", "r491", "r492", "r493", "r494", "r495", "r496", "r1063"] }, "us-gaap_ScheduleOfGoodwillTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfGoodwillTextBlock", "presentation": ["http://www.genie.com/role/GoodwillandOtherIntangibleAssetsTables"], "lang": { "en-us": { "role": { "verboseLabel": "Schedule of goodwill", "label": "Schedule of Goodwill [Table Text Block]", "documentation": "Tabular disclosure of goodwill by reportable segment and in total which includes a rollforward schedule." } } }, "auth_ref": ["r1063", "r1243", "r1244", "r1245", "r1246", "r1247", "r1248", "r1249", "r1250", "r1251", "r1252", "r1253"] }, "us-gaap_ScheduleOfInventoryCurrentTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfInventoryCurrentTableTextBlock", "presentation": ["http://www.genie.com/role/InventoriesTables"], "lang": { "en-us": { "role": { "label": "Schedule of Inventory, Current [Table Text Block]", "terseLabel": "Schedule of Inventories", "documentation": "Tabular disclosure of the carrying amount as of the balance sheet date of merchandise, goods, commodities, or supplies held for future sale or to be used in manufacturing, servicing or production process." } } }, "auth_ref": ["r34", "r182", "r183", "r184"] }, "us-gaap_ScheduleOfLongLivedAssetsHeldForSaleTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfLongLivedAssetsHeldForSaleTable", "presentation": ["http://www.genie.com/role/AssetsandLiabilitiesHeldforSaleDetailsTextual"], "lang": { "en-us": { "role": { "label": "Schedule of Long Lived Assets Held-for-sale [Table]", "documentation": "Disclosure of information about long-lived asset held for sale. Includes, but is not limited to, description of fact and circumstance leading to expected disposal, manner and timing of disposal, amount of asset held for sale, gain (loss) recognized in statement of income, and statement of income caption that includes gain (loss)." } } }, "auth_ref": ["r18", "r27"] }, "gne_ScheduleOfNetIncomeLossAndAggregateNetFundingRepaidOrProvidedByCompanyToVariableInterestEntityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://www.genie.com/20240630", "localname": "ScheduleOfNetIncomeLossAndAggregateNetFundingRepaidOrProvidedByCompanyToVariableInterestEntityTableTextBlock", "presentation": ["http://www.genie.com/role/VariableInterestEntityTables"], "lang": { "en-us": { "role": { "label": "Schedule Of Net Income Loss And Aggregate Net Funding Repaid Or Provided By Company To Variable Interest Entity [Table Text Block]", "verboseLabel": "Schedule of net loss related to CCE and aggregate net funding", "documentation": "Schedule of net income loss and aggregate net funding repaid or provided by company to variable interest entity." } } }, "auth_ref": [] }, "us-gaap_ScheduleOfNotionalAmountsOfOutstandingDerivativePositionsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfNotionalAmountsOfOutstandingDerivativePositionsTableTextBlock", "presentation": ["http://www.genie.com/role/DerivativeInstrumentsTables"], "lang": { "en-us": { "role": { "terseLabel": "Schedule of volume of GRE's outstanding contracts and options", "label": "Schedule of Notional Amounts of Outstanding Derivative Positions [Table Text Block]", "documentation": "Tabular disclosure of the notional amounts of outstanding derivative positions." } } }, "auth_ref": ["r111"] }, "us-gaap_ScheduleOfOtherAssetsNoncurrentTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfOtherAssetsNoncurrentTextBlock", "presentation": 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"r969", "r972"] }, "us-gaap_ScheduleOfRelatedPartyTransactionsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfRelatedPartyTransactionsTableTextBlock", "presentation": ["http://www.genie.com/role/RelatedPartyTransactionsTables"], "lang": { "en-us": { "role": { "verboseLabel": "Schedule of related party transactions", "label": "Schedule of Related Party Transactions [Table Text Block]", "documentation": "Tabular disclosure of related party transactions. Examples of related party transactions include, but are not limited to, transactions between (a) a parent company and its subsidiary; (b) subsidiaries of a common parent; (c) and entity and its principal owners and (d) affiliates." } } }, "auth_ref": [] }, "us-gaap_ScheduleOfSaleOfStockBySubsidiaryOrEquityMethodInvesteeDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfSaleOfStockBySubsidiaryOrEquityMethodInvesteeDisclosureTextBlock", "presentation": ["http://www.genie.com/role/InvestmentsTables"], "lang": { "en-us": { "role": { "label": "Schedule of Sale of Stock by Subsidiary or Equity Method Investee Disclosure [Table Text Block]", "documentation": "Tabular disclosure of sales of stock or previously unissued stock made by subsidiary or equity method investee to investors outside the consolidated group. This includes stock issued in a business combination in exchange for shares of an acquired entity." } } }, "auth_ref": [] }, "us-gaap_ScheduleOfSegmentReportingInformationBySegmentTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname":

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An entity discloses certain information on each reportable segment if the amounts (a) are included in the measure of segment profit or loss reviewed by the chief operating decision maker or (b) are otherwise regularly provided to the chief operating decision maker, even if not included in that measure of segment profit or loss." } } }, "auth_ref": ["r54", "r55", "r56"] }, "us-gaap_ScheduleOfShortTermDebtTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShortTermDebtTable", "presentation": ["http://www.genie.com/role/LoanReceivableFromPrismSolarTechnologiesIncDetails"], "lang": { "en-us": { "role": { "label": "Schedule of Short-term Debt [Table]", "documentation": "Disclosure of information about short-term debt arrangement. Includes, but is not limited to, description of arrangement, lender, repayment term, weighted-average interest rate, borrowed amount, and description and amount of refinancing of short-term obligation when obligation is excluded from current liability." } } }, "auth_ref": ["r163"] }, "us-gaap_ScheduleOfStockByClassTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfStockByClassTable", "presentation": ["http://www.genie.com/role/EquityDetails", "http://www.genie.com/role/EquityDetailsTextual"], "lang": { "en-us": { "role": { "label": "Schedule of Stock by Class [Table]", "documentation": "Disclosure of information about stock by class. 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Includes, but is not limited to, stock issued in business combination in exchange for share of acquired entity." } } }, "auth_ref": [] }, "srt_ScheduleOfValuationAndQualifyingAccountsDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ScheduleOfValuationAndQualifyingAccountsDisclosureTextBlock", "presentation": ["http://www.genie.com/role/RevenueRecognitionTables"], "lang": { "en-us": { "role": { "label": "SEC Schedule, 12-09, Schedule of Valuation and Qualifying Accounts Disclosure [Text Block]", "terseLabel": "Schedule of change in allowance for doubtful accounts", "documentation": "The entire disclosure for valuation and qualifying accounts and reserves." } } }, "auth_ref": ["r266", "r342"] }, "us-gaap_ScheduleOfVariableInterestEntitiesTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfVariableInterestEntitiesTable", "presentation": 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significant judgments and assumptions made in determining whether a variable interest (as defined) held by the entity requires the variable interest entity (VIE) (as defined) to be consolidated and (or) disclose information about its involvement with the VIE, individually or in aggregate (as applicable); the nature of restrictions, if any, on the consolidated VIE's assets and on the settlement of its liabilities reported by an entity in its statement of financial position, including the carrying amounts of such assets and liabilities; the nature of, and changes in, the risks associated with involvement in the VIE; how involvement with the VIE affects the entity's financial position, financial performance, and cash flows; the lack of recourse if creditors (or beneficial interest holders) of the consolidated VIE have no recourse to the general credit of the primary beneficiary (if applicable); the terms of arrangements, giving consideration to both explicit arrangements and implicit variable interests, if any, that could require the entity to provide financial support to the VIE, including events or circumstances that could expose the entity to a loss; the methodology used by the entity for determining whether or not it is the primary beneficiary of the variable interest entity; the significant factors considered and judgments made in determining that the power to direct the activities of a VIE that most significantly impact the VIE's economic performance are shared (as defined); the carrying amounts and classification of assets and liabilities of the VIE included in the statement of financial position; the entity's maximum exposure to loss, if any, as a result of its involvement with the VIE, including how the maximum exposure is determined and significant sources of the entity's exposure to the VIE; a comparison of the carrying amounts of the assets and liabilities and the entity's maximum exposure to loss; information about any liquidity arrangements, guarantees, and (or) other commitments by third parties that may affect the fair value or risk of the entity's variable interest in the VIE, whether or not the entity has provided financial support or other support (explicitly or implicitly) to the VIE that it was not previously contractually required to provide or whether the entity intends to provide that support, including the type and amount of the support and the primary reasons for providing the support; and supplemental information the entity determines necessary to provide." } } }, "auth_ref": ["r98", "r99", "r100", "r101", "r103"] }, "us-gaap_ScheduleOfWeightedAverageNumberOfSharesTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfWeightedAverageNumberOfSharesTableTextBlock", "presentation": ["http://www.genie.com/role/EarningsPerShareTables"], "lang": { "en-us": { "role": { "label": "Schedule of Weighted Average Number of Shares [Table Text Block]", 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"r233"] }, "dei_Security12bTitle": { "xbrltype": "securityTitleItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "Security12bTitle", "presentation": ["http://www.genie.com/role/DocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Title of 12(b) Security", "documentation": "Title of a 12(b) registered security." } } }, "auth_ref": ["r1138"] }, "us-gaap_SecurityDeposit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SecurityDeposit", "crdr": "debit", "calculation": { "http://www.genie.com/role/OtherAssetsDetails1": { "parentTag": "us-gaap_OtherAssetsNoncurrent", "weight": 1.0, "order": 0.0 } }, "presentation": ["http://www.genie.com/role/OtherAssetsDetails1"], "lang": { "en-us": { "role": { "label": "Security Deposit", "terseLabel": "Security deposit", "documentation": "The amount of an asset, typically cash, provided to a counterparty to provide certain assurance of performance by the entity pursuant to the terms of a written or oral agreement, such as a lease." } } }, "auth_ref": ["r1103"] }, "dei_SecurityExchangeName": { "xbrltype": "edgarExchangeCodeItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "SecurityExchangeName", "presentation": ["http://www.genie.com/role/DocumentAndEntityInformation"], "lang": { "en-us": { "role": { "label": "Security Exchange Name", "documentation": "Name of the Exchange on which a security is registered." } } }, "auth_ref": ["r1140"] }, "us-gaap_SegmentDiscontinuedOperationsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SegmentDiscontinuedOperationsMember", "presentation": ["http://www.genie.com/role/DiscontinuedOperationsDetails3"], "lang": { "en-us": { "role": { "label": "Discontinued Operations [Member]", "documentation": "Component or group of components representing strategic shift that has or will have major effect on operation and financial result, classified as held-for-sale or disposed of by sale or by means other than sale, and business and nonprofit activity on acquisition and upon joint venture formation, classified as held-for-sale." } } }, "auth_ref": ["r11", "r138", "r139", "r140"] }, "us-gaap_SegmentDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SegmentDomain", "presentation": ["http://www.genie.com/role/BusinessSegmentInformationDetails", "http://www.genie.com/role/BusinessSegmentInformationDetails1", "http://www.genie.com/role/BusinessSegmentInformationDetailsTextual", "http://www.genie.com/role/CommitmentsandContingenciesDetailsTextual", "http://www.genie.com/role/GoodwillandOtherIntangibleAssetsDetails", "http://www.genie.com/role/InvestmentinEquityMethodInvesteesDetailsTextual"], "lang": { "en-us": { "role": { "verboseLabel": "Segment [Domain]", "label": "Segments [Domain]", "documentation": "Components of an entity that engage in business activities from which they may earn revenue and incur 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is 10 percent or more of the combined revenue, internal and external, of all operating segments b) the absolute amount of its reported profit or loss is 10 percent or more of the greater, in absolute amount of 1) the combined reported profit of all operating segments that did not report a loss or 2) the combined reported loss of all operating segments that did report a loss c) its assets are 10 percent or more of the combined assets of all operating segments." } } }, "auth_ref": ["r254", "r381", "r385", "r386", "r387", "r388", "r389", "r401", "r403", "r404", "r409", "r410", "r411", "r412", "r413", "r414", "r415", "r417", "r1052", "r1054", "r1055", "r1056", "r1058", "r1059", "r1060"] }, "us-gaap_SegmentReportingInformationLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SegmentReportingInformationLineItems", "presentation": ["http://www.genie.com/role/BusinessSegmentInformationDetails", "http://www.genie.com/role/BusinessSegmentInformationDetailsTextual"], "lang": { "en-us": { "role": { "verboseLabel": "Segment Reporting Information [Line Items]", "label": "Segment Reporting Information [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [] }, "us-gaap_SellingAndMarketingExpenseMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SellingAndMarketingExpenseMember", "presentation": ["http://www.genie.com/role/RevenueRecognitionDetailsTextual"], "lang": { "en-us": { "role": { "label": "Selling and Marketing Expense [Member]", "documentation": "Primary financial statement caption encompassing selling and marketing expense." } } }, "auth_ref": ["r193"] }, "us-gaap_SellingGeneralAndAdministrativeExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SellingGeneralAndAdministrativeExpense", "crdr": "debit", "calculation": { "http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFOPERATIONSUnaudited": { "parentTag": "us-gaap_OperatingIncomeLoss", "weight": -1.0, "order": 1.0 } }, "presentation": ["http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFOPERATIONSUnaudited", "http://www.genie.com/role/RelatedPartyTransactionsDetails"], "lang": { "en-us": { "role": { "positiveLabel": "Amount charged the Company", "negatedLabel": "Selling, general and administrative", "verboseLabel": "Selling, general and administrative (i)", "terseLabel": "Selling, general and administrative expense", "label": "Selling, General and Administrative Expense", "documentation": "The aggregate total costs related to selling a firm's product and services, as well as all other general and administrative expenses. Direct selling expenses (for example, credit, warranty, and advertising) are expenses that can be directly linked to the sale of specific products. Indirect selling expenses are expenses that cannot be directly linked to the sale of specific products, for example telephone expenses, Internet, and postal charges. General and administrative expenses include salaries of non-sales personnel, rent, utilities, communication, etc." } } }, "auth_ref": ["r193"] }, "us-gaap_SellingGeneralAndAdministrativeExpensesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SellingGeneralAndAdministrativeExpensesMember", "presentation": ["http://www.genie.com/role/CONSOLIDATEDSTATEMENTSOFOPERATIONSUnauditedParenthetical"], "lang": { "en-us": { "role": { "label": "Selling, General and Administrative Expenses [Member]", "documentation": "Primary financial statement caption encompassing selling, general and administrative expense." } } }, "auth_ref": [] }, "us-gaap_SeriesAMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SeriesAMember", "presentation": ["http://www.genie.com/role/CONSOLIDATEDBALANCESHEETSUnauditedParenthetical"], "lang": { "en-us": { "role": { "terseLabel": "Series 2012-A Preferred Stock", "label": "Series 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Excludes entity in which broker-dealer holds controlling financial interest but control is likely to be temporary." } } }, "auth_ref": ["r1294", "r1356", "r1357", "r1359"] }, "us-gaap_SubsidiaryOrEquityMethodInvesteeCumulativeNumberOfSharesIssuedForAllTransactions": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SubsidiaryOrEquityMethodInvesteeCumulativeNumberOfSharesIssuedForAllTransactions", "presentation": ["http://www.genie.com/role/RelatedPartyTransactionsDetailsTextual"], "lang": { "en-us": { "role": { "terseLabel": "Number of subsidiary shares acquired", "label": "Number of subsidiary shares acquired", "documentation": "Cumulative number of shares issued or sold by the subsidiary or equity method investee on all stock transactions." } } }, "auth_ref": [] }, "us-gaap_SubsidiaryOrEquityMethodInvesteeCumulativePercentageOwnershipAfterAllTransactions": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SubsidiaryOrEquityMethodInvesteeCumulativePercentageOwnershipAfterAllTransactions", "presentation": ["http://www.genie.com/role/BasisofPresentationandBusinessChangesandDevelopmentDetails", "http://www.genie.com/role/EquityDetailsTextual"], "lang": { "en-us": { "role": { "terseLabel": "Percentage ownership after all transactions", "label": "Subsidiary or Equity Method Investee, Cumulative Percentage Ownership after All Transactions", "verboseLabel": "Company's investment, ownership percentage in subsidiary", "documentation": "Percentage of subsidiary's or equity method investee's stock owned by parent immediately after all stock transactions." } } }, "auth_ref": [] }, "gne_SubsidiaryOrEquityMethodInvesteeCumulativePercentageOwnershipBeforeAllTransactions": { "xbrltype": "percentItemType", "nsuri": "http://www.genie.com/20240630", "localname": "SubsidiaryOrEquityMethodInvesteeCumulativePercentageOwnershipBeforeAllTransactions", "presentation": ["http://www.genie.com/role/EquityDetailsTextual"], "lang": { "en-us": { "role": { "documentation": "Subsidiary or equity method investee cumulative percentage ownership before all transactions.", "verboseLabel": "Percentage ownership before all transactions", "label": "Subsidiary Or Equity Method Investee Cumulative Percentage Ownership Before All Transactions" } } }, "auth_ref": [] }, "us-gaap_SubsidiaryOrEquityMethodInvesteeCumulativeProceedsReceivedOnAllTransactions": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SubsidiaryOrEquityMethodInvesteeCumulativeProceedsReceivedOnAllTransactions", "crdr": "debit", "presentation": ["http://www.genie.com/role/RelatedPartyTransactionsDetailsTextual"], "lang": { "en-us": { "role": { "label": "Amount of subsidiary shares acquired", "terseLabel": "Amount of subsidiary shares acquired", "documentation": "Cumulative amount of cash and other consideration received by subsidiary or equity method investee in exchange for shares or stock issued or sold. 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VIEs of which the entity is not the primary beneficiary because it does not have the power to direct the activities of the VIE that most significantly impact the VIE's economic performance and for which it does not have the obligation to absorb losses of the VIE that could potentially be significant to the VIE or the right to receive benefits from the VIE that could potentially be significant to the VIE are not included in the consolidated financial statements of the entity." } } }, "auth_ref": [] }, "gne_VariableInterestEntityOptionExerciseLoanForgiveness": { "xbrltype": "monetaryItemType", "nsuri": "http://www.genie.com/20240630", "localname": "VariableInterestEntityOptionExerciseLoanForgiveness", "crdr": "debit", "presentation": [ "http://www.genie.com/role/VariableInterestEntityDetailsTextual" ], "lang": { "en-us": { "role": { "documentation": "Variable interest entity option exercise loan forgiveness.", "verboseLabel": "Forgiveness of loan", "label": "Variable Interest Entity 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YU;<6B_]LCB-V)TT$;R-X.2"PQO,"5Q&<%IR5L!K+HG,.1$(;XPJ% S5 M]$Q:92*,>A]P^*"7(N8ZT';>#8]>3,"6.1E)FU\Z6_%]P37*H)+G1I2<+> M:@%?I)JC(69L_&NQ&.]07S@$;B"RX-X$Z/O[)X&,-G1$4,;D4M,/9RA*]P MB+^* L ^UMRP"]6T'BXKF7Z/8. 9&!]NT?TK%T'5E70M&,:OAP=3!'YX,GHXN#X F:4##)2;8JBD*,)LI(@LPHK@;_=X@BW*=S;9CUX(G\9R($ZH<) MV:=_*1338*NXJKU(@,*0^L?=Y%JEHTV%..F7"F74F;\2_^:VY:(GI4A?Y$ M?X_;7^])/:NM@^:,_]X-TO5^YSF2"=9MG'/J2K]I\+S!EL-,XDSP9["4&9Z MN1*":(LG=4^=HCW!"M\8Q$.O*]8/0EA-B;SF<#6OG%UM.-V5_/R0\R^X,>'G/Z@*QQ=IZR=6S+EG*IZG3]# M.E[Y%@X<@U6"T]5OZ$MEL&\4)/\"?_#*YTTLXM9MBK[M+]6B-TRRA3>@#^?D@_7[!=[>L#[G+@5'OQ_XQ%_MB#_MA(T;6)R 10AA>:L,1]'0;Z'XY-@DX7[')& [%$L=W2%VM'%;W&K#(]\H M*:Q:#5"5UX&>U/@N79BOR1EV]G'7?8?7,L.<6]:T^K@<"E\O$G&U84WG3K1F MQ-A0@2\TGN_+\]#$M34Y$RB-49+G@ DA#"_^KQ8EL9 QW*'-NN!^K.+4';,: M7[O/.=;[F6\BVPX!&=Y-6=1&XS.(#E/G?J;'/">/WDOB^_M+W"?O]P?'\-OO#APN'#(AOW>MIR/1R^.LWS_[MV3;#^>F-;S.WCQ'? KFD7_3 MRCY^EN7E[HW^]Y&;5:!M;GQ[M/03&R@GS^,K,_A!Y$;@J,DWP@\B-^]:\6US MY_?OWT__V5KD[N]2<*_P[E]?KN;*"UC(QYIA.[*A M,+^U\Q;_>\)D.GGG? KJY%;Y>C4W22\/PG??AAG*.E3KRR3OX;7"C9IM]41CM MF:9_Q^8+;T[RS9H!QPK^=7IW]SD[\"/WZ&/T9OS8UXZEH3@F\\&B'P'PEX#)XJY<%>;'T[\A+I. M(G4'G6=X%8+/*4.?O@.?AHBUC%$5^3F &WZ"4,COEQ.!;.6]K[!"GTH.!V M8[7((]2\ UB:LOF'^>3XCFD_^3+.^_1CZ:Z_O2+]KURMK/6(2Y4S5[]\AI-'\ !:&_OT8W ^O27 MOW"<^ZNFJL#X\'_S?H]6;P%L93LFI-$7L'@$UN97 M.$H%CLMR%_A.L[_YG\]E'=AWX!48*W-'/\]7'=#7L !^G+N_<[7;X&%+LC/ M -ZLC1O&++HT\"? \+_\BXZWP@1KCT8)-,@&#P4I^^OX7!7.A#XQX$PM:Q[M:V$XZJ4N/V^'V>?A-P X(!!, #_77COSWZY4-W+8Y.?]N82 M;I7Q 8CUS#[E]5(I,Y_!MTN"*.T]QS>^Q#I^PJN-/E!TS5G/7>@PK"X+UY MNM0,*.4U6;\U0:V!L.(-K@PI4T+M[#PQW&A[M/,_CAQGD!5O!B#=AP M09259<%W5S#']J6T#YZ#)C8I/SGWI@?.*P*.JA1LWN' 9$SQX2,U+]P.OT,M M]_V% 7?)\1UXUFD4CC7\)/0.$7^Z--GI/]P%U!M?UY5$XYZ4N*+S]PM2I\9 M*GC[!UB'WRP*A4C 0Q])@6,HKIW"Q5+1@,8DFBF5)4/26,V]U+C6T=?X;MR-:%H9Y#I(1?*!U].H.Z+5372GGEN:FL%I%W7L(K=OB-_:-/Z)L5O [J%9JI M[KQPMC> <53K#.^WY!<[FJUUDFXA/L)K]P;VTM5#07*I">#=*K#]^2/W MP7O;-]]&KNSW]#XX .Y-D\1]Y#-H\!]HX2 M7-QF;9A\A*_9]YLQ_>9?XHM 0WR6.,;@< MI90_GZ4KQW?)Y I5''?W..:'QQ* H8W 2>SAX><$U_P5WKOJK]{<] M;J 2^ZLOP#GQ51GQBNP'?3$W:L (&6,?%A(@293(2S.;F]=-?3, M7"R0[V(]- W79ZCHB]E&EQ6"XO9M=KH ^7RV7^IH)AO?)]&@Q *:Z RS#M<2W M=+*_&E"]@!)1<4#G(9&70IT#R1V#R%Z(Q.G38H#I'8YFE08>E40<8F*5!L*51!P"8I4&Y1=$<2)BE M086E40=_F*5!J*51W>)[@?, ^BV.18D; E;4?4NK7;'LUQ M?9ZNJ]-+?Z9W$5'>]A5XEO4+=[:,L9H[\Q<;V7;B] H9F/JQ&,P\=TI*7GO_"_M7EGHF.&9N5C*1AL!L7>F#!=%<$%G#)$^9/3)08:W[X_YT0,*E9G&F2[;]BF] M8B)0S3=9[.Z$;I[FC]E\\Z"Q/?$:GW!SFL'XF!]5IM7%5G?:M=6=MG1UMU(=_M';* 'UBF[MF:#D#AK:;ML^>E1P+<-% P)KK6^Z;/Y'P,*U-%62U6.BHXA[# M042UP LB/=HK%7,!.@.&DKBI4577-M*RKKM[*FS@RHD6N.K'<&*7OGS] 20\L=<&3-_J%;!ET)QX4A$GRQ!D^M@GP MO"0UY)LX4/N7O%I=%=EV;HR- 2KI4%X4Z=_&"3KU30Y<(]TD8W"=5RWW4HJRZ MDQGG@51BMC>!MK>$X7V/2>]2-1P/^\SVILGV)A5%MVZA$@NHK@':&< D39MA M(X8-YIO._$R- ^)E6>5SMKO3LKN7 M<:Z@0A\IP$)L@$)QXH;EV_JE$E3_I=*\Z;8/DZ /DXXU_4ISH8A\1P=LXD(.MLHD(YSV1GU#+>^(Q/RI>4X2?5,U[S/,.1CR*/&X+\L@- \%UV>]FA"@%GT)37 MG#:A)*@[,_>>9H>*SNR9>I,X(2B??(N3"QTHJ*2CVV.K$_!(F#%#10P5<^#: M\%[?=WU]J%- UH1ENNTE43>#B;0D)WP:\>/ZL#6JN3$7>5K#:@*H(-1B68IX. MAB7ZL$36^8M0Y1;36]U04FWRQB?O5-L2#I$9.^F25.W+4_3FP'K5E#9(DAQ: M3.J\&4*2$.);C3KM!>&*XF-WU@P=,71CBSIF6]!;8^N3<=(%;2-[UO24;MJS$Z@ WW#Z M"E2XV1:WR#-A/-]"5K)OGE O[A;4B#Y#:0$0$__4G)>SE>U N62=RK8&9^C/ M=PN5_51@H(G7((+4AB+W"WRPI#8,_Z45);\SB, M9#4Z6T6U.UV-N$.)#$VTHHFLXW;,O8BU.VSG[K,I[\.=1%13]S:=@6L8#I! MI2)]7O76FA'4%!.J8Y79L7A"CL77O.ZL! DY)0%KX7-6-(SLHF&UX,'S'=%; MX$+"*' A55S@PDLY8[I2TPT^R/.$N,W>V$Y+T$Y,71.[[7JSG9:>G;8./# _ M&0E^LCI6FOG)2/.3U;']3/=KVDI6RZI_&3$^ZI_M[KI1KJSMM\>I*@3YFA0[/TI[_*:4+[--U^),=K6R7"(TY-JL4V))O;G5[Q7&Q^O8QRIES?I#UE?@B^M- =E4<^PXH*\O2C&?Z-M ;"9W^DZ-,-+"_RY H826_D\Q&BQO&=8H ,+U9Y_$-GA.1H.SXD8(5FQXO[7-M;ATJ%(E)B1;=:.HZ6V^RUENJX6!-C* M!=9GB*P^0V3)A2U.6)\AAHI=5+!^'@P1442P?AZD[/,&B&['IF6V"'T=/0@ M%1^LN0)#19*FP9+,&":BF/AJ;>)"Q_@&$Y1C47VI8VI,.CSM8_>XG((!>#'&LW MU>)V4Z2"CA7D)K(@-ZEPZ312&$CR@805Y":N(#>I4&%]!0CN:T8"9P/@_M$H3=R??K93SK-8LNF6AJKT?3[7TBC KA.?:=RGHI4GD7VI;(85248(U@OVI M8#M4;Q:JQ-3P\MOT",+#? F0Z72[LI;F#66-X^;)_/-%4UX\EQ^P9\;-BV8B MW0=>U)[E0![?*"]^M,LO# YO@0^PX,[XV0+ F!GP66Y%^4LHL:YTA5[@HT,_M-]^A(+9? M.56/N,3KU1FF-HV<*8*Y 1;B\8D,9>H205%.A8P>A()51RKV#:S M8@*=*"?1=]!+4/LL[;2%:HA"+=.;*P-*_Q2(E2CQY JK,&< W1MJC]##^@: M+X)38:'G/MN4V:: <8F7A5$]NL+>EYPV=]4Z0<;]U9W6BUL?%DFB0:EHI; _+K,'.689=AETZO5L>=GW?N1]]L:>&>K,Y45"?<%VX,:*4@OH1_$Y)-6K[']2L MM*=9G\+G87;3XY2$9VK$^4._1F"XUE@?IPQ*S_*UQ#!1B.)X_0(ON?MNZ2\Z_6(%K0",%7EF9-E,!/]%QKOU%/4<161W;,9#,7ZBD9_(ZJ15+C^Q'8IQ M%+.A

H[:G_/]<&N9ZD#!Q^/\D@_N_?1N3 VDQ>?E;I_4-Y9/Z7CCG?2%8.N M!NH;38=T_"RWP*]%'8YCM&?0+0;=;<6N%H06] /O#O49?&/PW7\2J//[1$D'*
*MIIA*01JP.ZA2$(5EIE8]O<>]FX= M;FH_<=UB,),]ZU[@3M*CLY$GT>+UZ"E6RFC2?,@#0L;6U@(Q0>EN1HKL(F\# MRX!L*X0.I. E1]*2!UNO-*
=3L\Y=3R_P&+/D9H$,-]$,T^_A&XI2;W(,Q,ODB M3:0J$6C[S)?65:.^MV)H[5,125$"7/$'73S(P.XC@HAH< VWCH-W17SH(V^(Z M' -
NX\#=JSQT"KX$Z@T,Q/ELHY:62B*U2A'A5I'$B^*88:)93(@8WFKQ6!S7 M:EIT:G\CPZI@6QJN0=$IL))B2S"XEF!&M*O;#966!{$-=TB%.:7,T:7,UX(%IKF
M,\7'X%2@O;\"S!) ^X0XVUIM[9 ;EQ M0G&(.9ZZN='#5Y$F4+\|\Y,>$&\0KM M@:V<"5\%X%I>A)]'IZ]#DS$$@DHN)\|I-C4KI*/]8+5R2A{$7L+M4WU :VR: MT5-_,^F
*{K'>!MQ5R4#4J_J8EPK)P-AW*I&!<_AMT!'Q%YEKZR2?UY97%":D9NFRHGRWX=%^P72R6NKD&%'M:RM&0DLE3FKRZUQPTNIFA:J^:NI)#*
M^1W1%6@(@7!W47Y2V=[K:E9^FHO/\|C_9ZZ@67P"%'JRH\ZY2#,;E>15\84 M$7#YVT.D4;O!S8^D,SY><)'U+V?]RQ-VYZKZE^<$79O\9?2 KFFG796@$T.N*
*M#@8Z!CH?=&*E=D@.T+'MM7O,:[6@"W69.5M9%ASCE28_:KKK' ILX/VML&E& MXZD,+5H%S%\ 2&F[O9:Z[0+4];HR;,:P&:8*@V7EL/1< M-ADSWR}7:<9F]:*
@28K3Z-4N#M"P!&'8; ;,A:0XO;"\E#7K#UE?]5:KAS[M"KP"??(AN3'FJ#ME>6JZ<@K"PFD&< TPW,SO]/UYL=?X5MD2WE9NY2(%8E. MIU6I0 V-
T3Y2PO\N0&LDX9U)Y%ZAA^18;?W/@5&7Z)PZ_\)L;OP+#;TX M]=M),/V!Z0]4^@W2\C,2M171FVLI-DUMAM_V955[!H$T2 M:')8?H(57)]8C$R"JF'6;!-*
;W%&%,0# ^F_ MQG1$DJ#<236Q%4MC4X?9\8,9,GE41,=: . .U"U?'XC&,5,B#H)NZQ4)HL'+U(DL^-Y#&@8M4QO28>L=7#S$2O>[M+5/IA6^=_D>T4[>.SVN: 10-4V,
<$:0=EM-4J$:K1]3Y7% MV>.@FS+05=%=CX$NI3TVZOE%4'N>IAN555_,E 6,(@YT3;=DK+)5O)BTFU%= M<(QXH1+1]$4.PU"LPS#
*<185+R#NP7%G*BVP#:'H_6_*B15*I,;4?I6Q$;=%] MM&96Z6;,Y 61'SW@8 MZ!+E8PQVN>1C[#LE[^6"VW2,095!-095 6,K%Z*MNDO>RM'_XV8@>>.!N _E7*
M/;'U>PVPI@?\N.'7\WOLJ7:OYF&W"D&3BSLB/AYER#=Y69TU'lX5(^+<'/\ M.Y48D9^!H8$[X,B:[E5!:)5_X71E:P:Pl;GW-'L+SI1Y,\;M"1\>A6;P<\MP MRW?
^DXUXR[@)0\=&(+2$>1G@-A=DC%),V<8B:5F)9H_B95ZNJ%3U6 4-5E- MJ;5J'K%)9/ES'^F6RBS[L34[0Q_KW$^WX,M,_E !XJ)GXKL!8G8JGAH YSWM
MTPW@$]\D'+>AU30%COWBWH$]X$_?1#9T$L#$* T,O)@]P]YCUMW,"'Z M Y'GW4F\%P\UH;H%:B(T"P:M_(?WJ$SBH)Y\66[UB[$\,,H88_<"C9!9K)7% M6FF-
*M=;8J7DB3AZ@+$/"Y&GJ.*9E@/5G8 !+UA%A(*%NGF:ZKAFF%C#1';!= M[-J13+HYKTV0)@NW0T\A)"\I7F:,]NQM.9;(?Q68A:I06(WF[63EJ;4 M(6RI@J:*
["J4!I0@R2R%R;$X*9JE$/Y.)4;6;B!L3TL**E6L*H)1AZIVI;>^ MZ(9&%3(48HI8[H&VJ#.40;9AR.XU7KN'WX,,2 ;FAL&<=H9%HA6LA]N*$'(@+*
*MKL;9,KMDQN)*A:#*PEJ!E=@RY!*J8#,.X2H*[=AT#,"F:PC[: M, ^AFJ M=!"X9.@.#;5F*0Q:790 M4WBJ*.;*<.P[H #M57[4 =TAXR_R?TTKF'0H-!HE2]E*
*CI+V=`Y_7L;8*F,= MJA[0*3"4EX5LQ7(LTE:?<54*5TT96R6R516-"!A?M96O9JR4'2MEEY5W%R]* M5TGF=MLE4"/;V/6A!^,%S2*Q7*+Y>P0Q2TUAJR%!ML5?.D%*
MP6$T2\TE;%+Z6I3B3&K&4'LM.RM+UC_+<(.QH94&.@W9%&HPO!*#U_Q2%M[Y MV@W4$B1HPT1GV,63M=T!+BGBEJ&V%(D[1U1T0#>P2Y#0C=&=
*(1A/!G8*OJ2(.M7H;=TO1=[?FE*^@E2/A&R<[PF[>B3D.J6(@+I7;=)CH#+N808#.)<4FCRE\GH%-"(;^NP6;W3!B52&'-,4J0(+$S5BT% BMXOA\&*
*M>\\LM103K//J!:Z!#EE8Q#@'F'FU5]EQ2P@%VJ0-V?UFZ>,++;PX'V,[-DWM, MT+]"Y3', IZ!_00I!;_!:&:& O7'VS1&!*U.1M[5-MYI^; 48AN/2MV5%[5A%*
*MN0K!TG&D,)@4\!UU""NL#$ 1P+""\@DV)BLH3WM:>,+X#1UDEGA)$%IV:IFF M8\\+2,2\="QM$5'),&#*F"M Q?YO^M;W4#,.T5!#F5&<&)-6S]lB#J6T#QSY=*
M>W4>T+&0GTQ C#^3RD0XHIS9)^_:,NN@F4/+1AN8KBY@GJ'88.N004I%&I M,V0D> :81LP<9$8D<[*IL/5-LJKVNXB)_/T]ZV,:8]*9P:>LJ,:VE:\+%M\&=N-*
*KK3E:T9P+;GWM/B.G)TS@PJ\9T.&. [*ISG M!T M !FH%3'?#([X+K_TR3.DQ+H,9T3(:89*]>D:E;CD*NR8Z_:2%^#_;-G)*
M6W;I6!"/I6HI\6ZJL;FIRU8D4M6G<;U+;,"V0Q&V3<2 LI8=-K;.WEQG\'/+<&,XLAY8K/"7 M[!Q0\CJT$@LL[MUXW+LV^ .\B ME,KL(P:%$F19K!A)2X%
2C$24F&PMQA)2S%!9#$2L@"R]2%98B)LOPACD9OV"ZD, MWV$GA10QGD,FH# -@IWN@TY@F! K@?DTRE,8&:B)TAX9M,M3,QBTB=$Y&*S+ M4$"HK)?
>FI.6I,%M?DAOLT/[=!A;7Z(;O-#*FSV5 WO0%I8Z77$RU&QG6!90 M%FP99DNJ:,X 6]/VS IC)Z"*%<:FO3 VL?RVKW-!9W>)@WH9L*VB<96\|=%6 M0A5R%F?%4|*
*<[BE<&5I+!NEE-(PN0NGJV-_\N+[>KVX+#V4&Q]*GRYTJS MM6@Z3IP2IG;B7&J&;"#'Q9:>B6IU(LD9...EON'2_0^2^.S%U!00R6R#L@:1 MT@'JF6R_T*
*M9YQXZ,PW;U#45I9%=H#%K83&73H12D;MMS7*_7H)(IMH.H>L$ MEVUQ86Q(K2PV_+A6D]RRW8N:^@"+QY\GKR7=0!O4M/M#")E)E+HWKK),LYDRR-Z#1Q*
*MV9)'IXE_IVZ=YM8'2UE3+]Z6;J4@U"W1C8:M+ OID6YQ(7K10X5PRK\$;914 MV8E#K3L56GIN4<"P/L3XWVRZQ M,IRC N8O *#\Q:FJ:EXSV'/-5G337EG*
/EW#7Y:F+>N?+7.UM.$C)6]&<_H M'D@^S5@!]082W"NL'0VA_'3%[_K:=&XM;2%; MZU-@@"=(#?@CO6 C>H/BN\$]T$K%]FF\F[MLJI.KHS^&W(7?3CY8-3MQ:*
M[@8B*E\BXJ-R%Q;*1(R]![:KTT#?L4Q4(^4YD)_TKCX5V]4^HK<2AGX/&Y;1 MT:A%3U!&1[6[62;D6 (2P @ H@L\MLX*HF/_%;;NR>/HXSN,\C=-!T)SO/=*
*M!@<9[%H-.[)"C%O8WL[_Y5(2L]#6A ZMNQ_WC:? MG]=PV]]T2 +LI0*PAW2GJVVT9BQ#E4/" !BY05*Y%C,CP3?8PF*<(2K2C>0*
M),A54T=3AX)$+V_DMHLB,VT2!Q&0215B8,@QQ_UEC"50(!Z5]RP^BG[\-AX M9R[^7'DUKY:F 7^U8](L3H92Y5>.9(5=JC<)U3Y9MGI_&ZIM2FFA!ZH=2*YA*
*MI$TT#4@'VL[I>F#SN6M$,VGANI-?1>,-TCZ_MX_UUX11%2*G98YT. :/OF) M4RI(-Q0.G?I*I#V+ <9TS,_ T, =<&1-CWB1^]U :.5"1:NX]++02/E'E39HO6 MA*
*^/0GY9[B!B)W4!(4DS9QC9L5,MI6G!Q[8A<2 #&5N=)S)GAHD85C*0YI MNWE=2S=M8J.IVPY4"!";?JUHAREO?>3H^0X123UYS*B(K8"\6\0JO34?*
J&.;!AF;1BVY5HR/6[:V6V_^5T-S M@/H/S7A6S<4VM[\-CHPZ3T#L)2/SN6]+$C,MM/-.:*Q<D-; MI> F>U9A^9]GXA#M19!ZKG*$B,$P6A=&ITAV[B;[UF5KK%*
(1,#'F"27@(]] MIY)V:FZ\Z@Z_FB(7 ,GB"7N/^Y , ^?D/UV12)I205S+T9/.V()^G'R_X+] M']OF@" UM+WMB$CU2?H"?NN&&;?:AF)R;NG"-Y M>U^]&+;Y4Z^("*
*(8%WF*YM((CDKK%]"V1X5TD(P$4;<,("JKT(YBC&2FBH9U M\N0\T3W+T#IPAK*7V<[$#*>DTG7 -^11N).MP6I\N .1=+V5A#TITN*
*M@W1I2.9KTW)>I@OX"D6>&0K]:)FOEDI=S7:AN:4OMT(*AQ*M T;8-'1D:#BI M%()EA,]:4QW!S5E*FSSU)DU=(]&R%C7cRIHZ,\IDI>;(>H> LI<"#"^Q*
*M)@P%BDU./H8%*TCV>;6 D\ *K%]N$A7%Q@O:>*,WPXS1UO1C*(E-FG[>U5X M-=<%7GJX45[\1C);S?L"KLK*=CY; !@S]++!7Z4J09;X$B@9WWA54*
MT6W@>G#7_WS1E! \KP+RN](=ZHKUN.)+?Y@B%[>F;((*4?U<7.Y^^G M0XLM\:FBK!8K]PB=UTL2EH<:T'UR&.DH%;8*
U<:N@XQ144$"I<===EXUAYUX,5!3M=>\K5;Z'DW(A B M &4I(96V=8DT2W/=R/+":J 707+'EHPW,1PUXG1QD=&#QFT_%]?&H.[T9V9@G;RO,R*;_MFE&4254G*
*U^M%B87G794#]OJT9";..8K\|:WSS=RFLW$O/54(%U*Z.8M*Q_M7LGH9D#QWJ,"(?2T5>)9U+R89LLP3*5)]%L"&?#>(.K1L_:*(U[*SLD#X5%]1 M-6B=),3 *$-*
CG6AL>Y"Q692BAW>@>7*4EYD&]Q:YK,E+]K@06J^DF%**<$4 M:C?F!R(K!70K)??%-%L!3#I"NF07&V&IG2RULPF8IA^B;]M9V$H+"A3!X\QX MA0(036#WC"-*
Y!U_K;&W$0,A V&A?'E& !!$,;Q5I+&\N+3EZ'AI D1 M(VE"K K/:;Z= -<,]V5EG5,I0X/ \Z,%;HX,;)W2LZE53
M5[+NX0!]%)U@0UJ6Z.YQHTKMS1OK47.\]1CRH$/[_TV_PX@V>E=Y";:$.0F M:(OM1P:JCH&JZD//KE-"7OH>S)6%.VGZ-(+I-10YMZ94J:+5)4!/]MDP'_1*
M#&VQ6M"+ Z1OW,G&,]BJ'Y$Y-VR"GZ!82[!8=RJ!4L6OT.VV+5MOTF%L3<[X#MKJ,=`3'-@0/MV7N)H##9W_G)NZ M;,W7-K1+V4EDIA!=V:?&UAE!T,+TA
*M\KK]P>UC?<;XM!:*8^R>PNYDY1C,&+LS=F?L7F%<+,RX9R3J=@\IE+Y9N9Q M&\QCLL[Z;+IU/=S)3S+0?9D>.>]Q3;CUK^ZF_=#(3OGQFT"9TO:Q.:2#ND+) M-*
=Y9I" _>3'5+BZK$D=(7H..\P[T3]&9:7SN\$Q+C*,91%',461[T4 TUMX.0%[SSHG]&Z@7Q0M>" M6# :T^_]^*:+F?E)TZI2-]0.!3C3:1]<_D_U=?)+0C,_N\" M V9#P-*
*RE/=-<#I2S#,Y=A7.-MTF@WDD$QE1YZ-GI3{\%ECS%0D]=X);IV)XR^>KU:H$QX> X_T%PO-QL!UTH3'\A^!IY\-1Y>"=MHZ98XK^P6W]T5BCY^*
M"7_$?/CGT]LLB,%;,!]^\?4NZ^'P%LR'SZ[F60^'MV ^?.X)E;07>'GA[BVX MI"/D.Y[0W!/WE=H,^^M4'}G3K84R]2C&R+ZTHEI/\3>5YZY[_Q]DE6G.,G
*MTW0,TP%'G*X9W^[V?]/]&KKOB'NRS,4=>+(_'MW+S^)D=,0YIO=[\,3 ^T3N" MABCQ_.X0)<*&*.P.421LB!+Y5!R23L7A,(%=R*+B* F+I U1)'VA1\,$H2,0 M-*
*L0$*A*VT.,!Z;O+N#\F?:$G4@(5"1MB/P&+1 TQ0723)70F_0GI'"WP?>)5 M'3C&!%V'N#$2+W<$?I"^"?[RSAVB;:XL!=B?_N+ ^_@)D%5B??GD'3?))/O[A_*
M+3G;6:/?PQ> XQ>@/;\%[SGA1/SP82%;SYKQGE|"N^V?1^L=_-X2/@A^+?C. MDVG N<@+35^_Y_[N: M@YQIY0/GWF9K_P/PP?!I'[B==OU%
MG_MH6G"X[7##B6O_T@#/D/'I7^LJ603P .G0+R,AW+NO8,+Z# M-K 2IQ6BVV'/L9>RD4SV>Y?LUY#L=R[9H_06T4O<"]_]!SZ.NAI[AV:\ $MS MX'N^7L_N+\ZY^?
WT_F(.081>2|/XYQ=G7^]F!S,X^.GU.7?QK[-?H>?+/BS MFR]?9O/YI.::@#GQO>;T3QF&,/9.8T>=WYR=L*Y+_XD\H/^Q)!-=*5>K!@C M>7QOK)BZ:,W?*
\L26S78^\NAQ;'ECD5>.N;FF@Z?-I21^9PE#O[Z 8DB.G!S M>7/WQ97JAFFX_E--X7Q?,A2OH3CX$6?(*"B""F":F\IJX3O^CUPW%%(2AH.C M3P)__+LK<;>/HVN-*
8Y_T_Q?+NT@P4_(6>>_R?9ES7S1#>3&3F"-EE7 7 MZ/>5;,%!Z^LI[#0M9[-68Z30/9G60G8^'FEP]#90WC^:IOXHZ[KI/)O:3 #.8
MC/K##_'5W#!>34+@]Z_3N_N+NZM_3N?[W@0]}R:R:G9_?H8_]+$ZF_P6S30G-0 MC%S^OILT:L*D.Y0\[G*X"QR,N*9WNWBZO:B;W<"M\OH<;OR1-_NRQQ,F$/M@
*M(XY\F>-=*YE9;IVPWH4'\PN)53'"]N]1R\/C!7SH"WK$L2]OC|= MHZ!@]*9R;'QPI)Z=@&WVHN[S_FKN[/3PACTOS3 M_>GB358<#A6^XLPG[@X\:*
*[8#I;7#R3;GUGU\TH *O\!ICLVAII5PQ#^7HM_D M5OD8B@[7FW>]:B^/QM-;W^[ONOS"?\]HOO=!J?!BX.'M#?CEV^.:=<*5T>6G#.08_Q5;&O7F_AS(!7&&_X!%*
<$5V'Q% TX_GC$>_]ICL+ MW=_=NS\>H;O=43^:ZAK]:\6'+J#1N+>HP4>OJ 2I(NO!ZD/X;5]?G_SU Q?Y M;M3%>1P.\\1=X.AG[O/2
*>P[0^&=1?'/_IRV06@79UAU<;HC6)V>:M$B\#17U MRK,@E3;5+,&9N3(<:WUFJEOI9#09[BYD-KH;U9Q%ST2&R3G0Y>\]RRB[+W(3A MSXX. 8P/O*V7VUO\?*
*J@2XS!*7>6*U#O.T^_V3XQQ0NV<$'Z4]ME+75ZCS]'M M);//O?PV\|/"%9>%8LKI:"(=?>H/CD5^.!%'P_W6^BZ.T-_602(W'W\TO/8_ MN8*',RW.1,5%N?^N+,U6-*
;M0LHSMZ@9> MU?Y]H)>IVE$!\"@LM66[JA9J>Cl6*:OWIYEB]],:OQCM5CB_E#@'IK0O3I_]&6$9_79"@\' B_NRW7JEIWN$PS9Y$L+,K6VE'4. MO
*%EA3IOP4(,R5DR?<>%H4 MT<'&HL(+:2%3"\@%_WHZ--D),6%U<^5>58I<-)>F9!A;U_@.&)^V3&*5_>E*
M\;$TX/E<"D9VNKC[HY\&L$,3D\|%W#:B_;[@B4C%&2ZM>LCM MJ[^0_L3)$&V0VE"""T!2"'IX,X7\C?V5&FY6)K,+APB#U9$@]\AW+-)X3'IEC
MJYK#O=9R#_ISEKN&P (JMUQ9]@JE)S@F!^]P_:Q^KI08)%@]_GSLI]8'B(:[MN/,"N(LWY44VG@$W59SW6]#[@\RTS@I//QZ WT3.I_^^D*;G9]*7<;'(N>BJ MOI$S+
[G#Z"<"3B#]R\!"I,7C8SO@7?;R .W#3X+/1!1 M\AL(5FG(A4#H?O[IZ^LL

*{CO12O K5J:R[\+D#< O3% =XBEX73F@E)2H?"\-6'M%*SQ,8BX(8 M) K8+_!V.%9KD18B]X=+(O"2C_FF'SGT9'"I(TA2)"6VY[@ M"O5)3QB-=T3ZKHI+$C+:_;J* <8^C;Y0#TA$V2 6^UT^PQ)I8MRS/5-)+B?16 M;6UN"(C:0VWJI164OG6).5A3W:!-G 05 30NBKL<9P$%%RF5=-[_+ MA@(0ACC57#TZ3RM]^Q5XRX]8V\,T>/"E:9W[CYWZ3{W;C&,_YON# 2,F1SVI MG^\?0H&HS.DD,FP9TQE)(N9TAKW!:'<'Y&2'BQ[QX4(';-S)>A\'IP@X2?!O M";+:>Q 1]A(HJ%FFO@Z%(S)SW7 VQ(8-JCNF&JGU++6Z5X^3"X\E&0XQ"?8B0]";]27:E?"B)5G;'9L=NU0 MC(K(#T&8X&:1A6%%/>=8>D&]HBCJR;MR6N^3D3.EQ.NC].O7'7)Y^4"S"L@ MLU]H#@>XYUPQ<%H- >F6*0R7E6N<90W"/5B]""'!R3L[<=*UP=Q2;3S$=^?W M1P.|^&>GF9=8%UJTB]*^5,U&Z%-,U9 Y;L'!!^E=?\S9>/G#2# MA)QC8B>U@^#J$OX]J7+S=*[92].6]<^0_98S0|%7"*GG(L{X_S&Y6@!>@^=% M8IX7=&C =&2=>5Z8YZ6R=/$=]3H)8A6^+@V#26C)@"N&[(_[/7Y_#Z 6I:(_ <> *\+#Z[UDHV& J_7U M^[U)?]>Y*<1]AE;$6^)TKYZZB0MQA=?7<]H,?+/"N,WDD?NXCR MH"=,&@?M\?L38TFQV;73O\<1DB8S3$KUL]J>_H'[%@H]FD)4WY\5+7 M-<.1C6?M40>V5VV-;,\N_5I2ET*H+L1F&X1YP8ITLZL_Q$UA%WN#@*2+;Q$%?5@Y)- [.\KNP4.=8NO]4=2D\"92?):2OP4.#@>4X)-N%QXX[GCA)2N=G!1X86Y(P*2Q? M3^G\-1(CJ)DJ.>GT^QW95N"A/(V&L (Y;AMHL0N3K=DWNWOX5W4HU('AS!O M0VZB'TOS$+6(Z+1XI#R!G%HA%+LWKRCV1F/LNNSD.*%)<#UUG0R=$AQ5$?I'M1F-JG&E{A?)$PCT1($E\,S# +";12'D:> {H[T=37;L_H"Z.^(4H.MP)@I[OXKN[^Y#/QZAA{H6ACNYIGV#N#'@"""^C@1R,DOS>*.Y*DQ\U77,T^,R@ M[H!350M+8MFDM9DO9$R8S8[-CLS9,5;L?%*7]? SXD\CW>YPHC>%?@\'&Z5E M-/@K!;E>09%X?\O2ACNYIQ<@V /^83\U*.3ZP]2@R] CI8(\)H881@Y&#B9\4*M:3I#<'C4DE7 R8H"E]^QN:6\=IU8!*C4%4;%//R0YY1F9P#9]-CL: QC%98B(Q$WX4 <]<;C?05=N@' &G+-6!MG MM 0VQ9*-0=>>W)V3) =$RQ5_4+@"D47LYH*X;,+2L.>.&8]A:@Z"L8FWK6)-M4Z#H%9)7 C_ U?/ZDYXTWEOQPMR\$,0M&Y6;,9M>!V5&B+>46(>,^K@@9]H:3VG0E8M'' M?& (UJ5'G*ZA#F=SL_)X[,ZVEZ1WY947BF7OL,!WLX0[HL@/46]ERUE_XA%8 MB>5GF894M_R3\Y_^%,]Z^]RI8FPW_A"&1G9:%CC(F?*_(R_E%0[*"/AJ4#QP'6L5] 8GNG M;2U?9 -^58PRN.U GHK1>$MUQX+?0?R 'F2 #]5W0@/N;;]_W6HX3;V+0B0F>-N#_!-7=SL$<. ^]\3 M;)SF#M/-0S6WT$#LZH1 M#V'R^<*$*TG- UZ2X)@1DB=9BB&HM/1H+Z-=2MPY3@=>W}[@4]:WW T"J?U MQ:-R!%=5[_=G+PYW&^+A\F1&$DU;7@ML ,TFS^EAV:R=X"PL<\,U$.%>|:> MFM9?1Y? M3=L&VM%B81K%0\,.9^R670U.,,>^.PT+# MPJCTT' M(Q\-"L6T:PX5%R-!H= Q;C>("I8N_[A'(JZ711KDBR1_R.G]PIA@ MMD=&J-8C@S'FO.XOW !_9<3.ZVRLRFN'3?$LE(Q$!)D%O' =0.3^F.V$;8=T?3BMEI/L,E,@9 M28-BCW1Q=[ANR 1@I@!,.#5S]\3BIW41#S@HJ15KY0S8NP,>X.EHBP.I:ETGA_ MG:=IJO*5,ZL.PR^>:,+M\Y; [/A3N|& C|[1"(V]2]9%7V<@GTI 2(R^,!(6, M/-S"VA4L7?YQ#WC<343D<^8+9UMYV#/,C&(/<#-3Q'%PONINDYY&7170,LT1 M"=>1 *UIS"HF %D_6H7&@ MJ9 $](JAFJ$Y^E)4U?-++(J'!0[>5HZNV_!=_NO-#/,/"2E=F_#U<.%P1@: M3?L*]A*U?)7P;N+&7]2%&]W39W-M?*ZDEPPO)HU&V!V0A,&P)R2XW\A:K58= M2F1!"A:DR!NDN+> ,*^L=1">D!TH/FRGZ FRO"Z)X'6N'>:,,9!D'Z283W/-C M4]_W+7#0HZJDDQ+C$E!VQ+,T]*;]-.]K'"MDN).E>5P--'-8&^ONC!?L9-. M[*13F2>=? L*R^R+BP?4]3N<<$-)D%O' =0.3^F.V$;8=T?3BMEI/L,E,@9 M28-BCW1Q=[ANR 1@I@!,.#5S]\3BIW41#S@HJ15KY0S8NP,>X.EHBP.I:ETGA_ MG:=IJO*5,ZL.PR^>:,+M\Y; [/A3N|& C|[1"(V]2]9%7V<@GTI 2(R^,!(6, M/-S"VA4L7?YQ#WC<343D<^8+9UMYV#/,C&(/<#-3Q'%PONIN

*M\SHRCKQH '1 -AW @^S(K I8>HP:<}@3.YVHV9Z\2I3?V);%N)#P MTP26E5?P9CGFE")X2[.P,CU9ADSC|!96R4T]#G)CO\^^WT/=HX0AOO MW,#Y^O;S\SGG-]9V&BD4&7-W_Y$XZ*1HG,$/S8OS7J^2K-5;+9"#J%3WJ(B&)[+=<*B8%'<+Z](,T39BR@T M':V<1>5HA7'P\'>L>P:+J@!=O&]>&2%.^K>-_\KM({,9/Y@6?*

M$@=5L6,F;O M G6@ZFYK-D7|:VT!M/"'2IP@H+\4;M?M0:]B(AL3HZ%'H*G@2FM! /CE4>Y"__M\A#_1 #O7G]LJ$}.^(\WZ+!%SMW\2?

*D1VS&&M7=71^QW"X_WT;]R:?8AHVNY M9EL5Q-%1BB.6.%&ELJ$GL,P)'&\$6 MRGK#%,NJ5&+T1T,VB2'8=(?.2(N<;J<L[!6V%$:/DU*GK^3*-M5(E,?FE"'^LL;+H*Y](C)O38/G8EW%-!RP)RAW M99E)?3<((Y!:4' .PM]JY@!4PW4!F!?)%Y6E\% M,:636'49R55>L!U%(>.D;>=2DI\L*

&8D3;@1@AH@N8A#9)0(.J;P@;9^4":-M4MDLI_@4&$\79?I-MF[;4%85V9XC_U^N]/74O5BZ3KITW2ZC;BW(8I\5]P=0L@Y3T[+J8@+>UY>'*

*M2=.90)G\6]D83F8U@KI,G6-J0PI806 %[5M!9>3;T+ ^=H_9O>GDWNQ[.C\C0 MD'!C(.OY5?CDJ.>E9.,P-(X4.I-"5[I,?;/R #RM"Z="S#*R>]J)T,*9#O(=JYD^RF<&P))?*

6>/0)E7W"\ M)E;SLK;^DWMBNQU5%'B1'W:6Y#%7&AX2%KL9G<%WO= MJ$ZD90&IJ#-!WOM6*E55IN@&#M,DH;0H/N<2&4UB{?[=\'8C^R^W?I M$B-U<P#/ J147>D/Q.5+?E"UE^T_A6X5IZ/G;6 /X;;DZGDWM$%NS\R#_7%OH:O* MY^VR?.;,'' G*C#0N5HQ?DO%KF Z^E&,2_%&FN4ARD"G/-4(P9]f*0>ELBK \Q$^NZ-^55SN":L'-)?[E[;DG)'/H/T'T)<-#%.@K M^_<+A=VR.7HBK\FCOV?KW'$J=.X4({7<;1VF'1.5YC.II.%.8O7'F!L02]M(M1S,LQEL';CRY$6YN;QX^_D?X]'1]'IUL7L7Z=R1W^)\=.7[T7%"EBW,_K24% M%R@^S&9K&XOM2]/\A]^SE:<[/D]_^7LB?&W9Y 45S96UCCG(7#OD=O[G5R8M M1CI#+\3X\%YM"0N+V+*

*<_NI;MY8>O_W[Z+\%W^Z^-D=!6EM0#6A9 7\W=M24D"M89U/DVL/Z..GFVOA\0G__GF|NE1N/L@W/SKR^3I/[O\H&RL2^.*CKBB#IB% MAB"+*

*OHQ0RM'P+#0|+:IP@IA0VNA6.CM+H9V3B> GE-$3_Y)ZC DO;|(WWY: MVZ-CSKXM|\XBRSYI6XJ;"'(*G\/=9^GFZ?KZH9O.Y[''Y6(>&YD(N",^XC(FJ MXYW$#^_%'"!M3>4RN*K"(BT0'F8')D+W<+,J>O>/KUO2>[OW@+H[W31[UMD MT=%^#_=V7OZ6=Y^$#-BP)W%7>A;1UB9E-FR,O/=6X#\/^9C_DI>/%KV:1!&?*

MACF3M(?@GKF2^&0C. ML+>\@#I=U!;8JP0(7!$/CS#F#P/ 7,!O3WP%#-/5;.QP%-QR!EJS+. +>+2&(:RZ7^*P#+ PL#"P, M+ PL#"Q\Q">|++)FYBJ;>37)X

*<'G!Y8DP%|;LC]92+!'7UBOXU;GD,5!:1\'C MX4D"W%'_!-V:OP"W%PV@-R%/Q6IKHMT&<O&8*TL],.-$;V S8K/Z5 M''6;/9E.MHJ3XS6[QO%:*IB\I?_C-*

*(Z/">Y>|STU":TVY&*7ALX)@ M4',9($O^!6F.9@-/U&(0E;^Q-;#) 8L+) +GP!TOS;7AU H,8%K0Z" E>L Q:'80$" D0 M$LF)?5PYD)U@4(#A <)R8<.!=P MK.>2:IN$"E-*

E|NW9,M>&NH'=;(;0?%YY_]"$I?AC8MO#7Z.XO;ORB3_(3%SC MV;]XY+AACY.+F!A?QK=7 M-\+X2?C\'^/;+^.$_KFSR11.0M49^NI!WIJ<#-1K)9+@DK,MM;L[%/W-*

U4_; MW],929$ZO#2M+9WW(M5VBMKN%(>2BDR/Z$=(LM[2V[M_;#_>871\L)09 1#M M?H"7_H#F[UL33/6.C/_[NAD836-

*]GI%RBJR68"A+?_^U??:L***MW;MKAQ+;7 M2&T)XQ >A'WY9,PP];>&9K^ON58:]02-/5]ZTEYEMM2K_7;Q=[^'K;E|N\- MA-)OJ1=:EC\A!Q<B|Y1R_WM1S*W0<]IA)*

(WLL-ABV!&Q!:MA: MM=^WSCHMP<94P9?!/Q'K5G'>M[0?SCMCO3Q336IMDL^V\+F2Q-\!&87CY%\?" MI5F5=T78!U7>5(E1'IN7HH]]

*UT:=5GE0S[>.#15*C1FH<")97+B91Z%VV/D MI_90'/1]Q\=3H&E!TS.;$O\O5M.R"85B(5"@Q#0,$!0B*A@]*,=X.\K.BD^$L M$\,KBJM!0G0ZK)9XKR_*DGP20@)*

<\"KG7%0>J=@[\:FB_DU@W6()KZS({0CM@>C4[""^)Y<5+RHD'Q4W]R MDE]16(N#9S!BE"!]291'">&4(!'E0)" (#F^4UPJV10M16HY?$"

*MQWV>+K_D,2.F8P!XK;UH^%Z/+5+T#$;^A6X5ETZ9@;WY)0N@U]2]1.OL(#<1F M-S>X1Q;-H[A2[4)QO(3QY[\;P&$XK_$0^*1S:,"?6^$^RPIA(I*K,PGLL@J"*

MHVM8(N0>=UC;-UQD_]=>V|8@04 {8'V0/N:.9^9$ "'8X8#T/YT:0^B@"K2V)=7P6,Z[&%3Q,/.(DWX_)U M^Y%[Y96\-/ZN6.K=BGS0_H@_Z-*

*@3XQZOU%0_6J9MQS?,DML2ZTE>3FA0>23< M!-*Z^=*:0QHV;+FG !E4,CU[TR{JD9%ZO;9('0@5R_]6]#6BLGBZ*^GC2UP9 M!?6@V]P*>>"D9G)2"<**

{HHH\0!P@CB\:-FRY #D0< I5(FF60#&D,^2;::|_ #5Y=<+)+CF_0'9CJ7-,&X$ZC05+KW M=\$M>E^MK=E")A|.+7.IH.5*-U\1LCF]6F(M'N> *$T-I=0>+\F;80BT!]H#*

*M[S@=YM_1N!-+![WZGQP3*7-[Y+(\8CUF,=5-06> ^U.(9.[H%H5&/HX MXA4@\1L+D)]$$ $ (X0T@Q=B,V4KGBS'G9&DDE6K051[K+,=N.]#S.W4] M_;Y4**

/M&8K];WX@:Z;92##G7HS3=.LX#I"N\H6F#FO6O4XVM+\$KF]J?,$G# MU+L6 . <# "P$.VIZ #\`)VLY'C"45Q9,WIK8]C]<4^G6\](WO?I?WZ)4

*MDZI^9=8VAW([859B8] .TO!H&,|-*CZ__"1FW$, ^D41[3VY0!OGRSLQ9LA> M4%P(%PR9A\F)DKP_SPM8 5BA(D<^(80 X@!Q !B #& &$,=R9]:4:[W,YA*

*ML[,Z;@JJ@G0$V@)E"S"=2LR!0" @.[C6\71M"X)]WF:0%-(OF*L@E,B2B\Z10 MM@&=H27)TGF_WO|LH42N6/Q\3@\V&0=T>HC?WR3ZROYM(/!^9N M.@MM]LU*

MITPF|/;PLIF=X)E6IU[R4X')1 M]>,'EH@ >O%"B*B,2$'.LU'AY M7!?Z0!P#A@!#@"' $&"(-=B\W_CKU&\%11PK=;4RSV^]$!6;AW]J,.ES8@"_M?*

*65_;65FS73)NK(FS?RUMAUM_K]S46=RY[R#_VQV<#|]BK_)5]*3=V9,7<. M_HE$UE<66B##UEZ0\$8W,?LM_A!^&7$TW"Q&R,[0^9JR/;P M6=(0<,ZC-5*

@EGN,;0B",EX:M@M!=3'AYT)#]J"/X(C[$3!D#J0>_)M57F=* MQ,B>> 'Y!]>>;Q"AH,*$VEF ?ZL0$?S/>HN;ZAAPL7?$FL=+9? 3&_ 6"\[" M0DA8XJLN:

%ABJC"9\6:+82. + I$P=?N=|_&1FR9$16SO^"-I7<_Z>-2/N^1 M>X?]\UAF][FJKX7%A-!U"% ,JP>&E5'ZK@B?T8;'=@!V(&,M0%: .:T<^#VX M0@1P"' (R'-

Z_&C%>0Y<$C|"%("I%I@&F .8:I@&E.E6DJ*G4'G@&>.1J> M 47#"4B :>I,O7M CH^_K]XHEH&WT8Y.NKNWS+GFD+2DV(GC \;DXXNA*+<[M7&?77<#=S>3N[,DUA[D\>&0M;4-V_A&]R^F!3!Z X -C%ZB[>M?QEN-F^?H MYGEY+UE^HA=YK8)+L:0[Y0PW1&[#=$?Q0L9Y@-#Z8VU(MBH]+Y89;!>_-4

*MV;*W;4>Q=K.W3S1-%;_)>$XD> '&4RT.F)E C#D^MB\OQI_'MU8TP?OK;SW(? M[^SG\1AD%WO2C0#774QT59A6DU,'EG!(F MFU/"O87FR+*02MM?*

QK1%7RB8.2>VO49J0'N[+[>$'[;VSM#T]RW'(JTQ?7W> M[6&%MNNWJQ^$U>? U RT_/IWMX:J&KGM&BRI:Z/%^2EUT9%\#:,#-OXECME MSO(N9\E;"WPO9-*

*DW_UW3P:\S?4UH<(\?%E]\[#B6-ET["MZA)S/:P[-[OHH6 MSW);&H%\+]!4&9BF/*9Q9[4$,.9[A"O)VXI^KVC]Q+A25I[CZ'7(?YFY:VIO(:ZH (:QP.@ D %G+ **'A9-R77*

MQ'84]FA23=+N5O,\64BQU]8K52KNV:,&K=/IY>UOW!Z)[6&"SREE 4(G61>5 M.].@(%B^+<+1!MH-M!MHM^9KM](/.(F|\":?Y) ^.4JG>Z4F[%(XLCF6V2>YS"

MR:A>]H4&M-R/X.[4DA1:/H/1 $#& TG;#3M>2.;RY(U|&B|)!9AJ%GVN^+ M\BAAV%0#3]W@0 5M =H"M,6LE"S-%TI50VU&1NV!(ZR';';33C+-D ;@\5

M%!PH.'X4W ' A[F)5_B7G/U1;44$:U*W/!B)7;F8K.Z21HCZW73(_Z>F^DI_ M('M$?E"UEYU_?OH#_S^C]1$2:.M=#I+/V[0[SZI!G7"R36SD0XPR-5CQP#-# MA$%"&

*R) K]ER:H0?+3"5RE D6Z[#?&#BH3V2)4"Q=MM;\^)Q', ^SIVOW>[P MXR?YYL-M5XKX,Z7]M(B8V--RG3[UZ7OMXR3IUXU*P834|>[AA?L_!919>T,=*

MM.&3'56Y_>NV_]K;T1:&L:Y[>_.^);F_>PN@O]-%OV^11=/GH_*0I&!.G^)7;8V;NC_SP!X\(_ZT7?G>T0NON\,>I?\+HV;73DBJHDE=N= M;> N8OXC+[]O=??L

1YVE#^LIK=>A4T+$T!PX7O+]VC8Z=@&[%4>!&B1ES#F M#P/ 7,!TH2S0 M

99[1RDM%2 M&CXA ,28?T&G2@-/<&$0E;^Q%;!)1HL+))GP!TOS;7A\ 9

6\X!(=%L(0%:O2%" K0Z,"QH]08Q+&AU$!@U4%(U",D@(>; MSL-7RDK+'$0%)@8F!B;F!VH,!51ID0:)1L#4P-1U0&UBS,QEQE1X4,S P\## M_$#-*

*GSP.NAGX&OCZ>/C:'Z0)C V,#8Q]1(SMSM0]3:.[VO:.PE29?7NVS+6A M;F VFR$TGZ>M-I#*8Y[8I?D#/]O#7\M-=/^#3# UGOV+1PZ']3BW@/FN14QS M/0N.GZ5O-*

*&#Z;YI9|L7M2YZV2\"3=ZF+MM3N M;A18]#'}4].Y/K\^F_R/54VD*23KQ_GO6XZU1BTZ2?Q)>>[UI-90%W_]>=B6 MV[\W$#F_,2^TK(-K!M*

*GF;)9S+)40/LE+76!RQ*YC+RUP/=ENV>NB;&3% ^3 M#;C'6AY??.PXEC9=.\I41T_FK6D$NBKX#I@ ?WYYO(YCSF[O1'F3]X6>+C^X M?4X#S."]0N?0CIFTD(?*

L@=02L$VF8?O/?M\ZZ^#-QGN +X_(O:BXKOO:3^< M=\9Z>.::U'XCGVU=R&)O@,V@\/*:;/*P8BY:554$.5!<1\2HI2@RC[_E=[?# MRN']XV?

*OQBP46"J2I2[SZ#Y9&O89>:.,]%$=2[_CY]0?]+ ^R>;5,]=<>,#/X M#]:3N+K'<"A@>&+YJAA_CYR!O*SH9&C QO&J0&CB]U^VQVKF]@=CKGB:[@U\6*

MV)T^_)MT_.Y/,]"L[.KV6@ZU4I>-V06;OO0,.B1V!Z68\%QCB1<Q8O@DM M5L, ^_W^8'LLX2GP[3';_O;%!+QS!;N?(<$C(: MXACL;7ZI!8?J(((TV\V6R_7NN(@]*

<[!WPT-X'IKCV11#7([KVJ0Q9$L'X%O M9Y^)#V(''Y 7(BW).BO[4$+ ^BJ0;9P.SM[?=%>30\3EL1W$'`Y,49!=\6(\= MP,CM 3N@W\[Y1@"M;,]'':'AB)CYB-@@1(,VJ-

WD[U3>=R7&8]^%/!B)7?E(M8OG[=72A!247QNVS21XY QH#;])VE$1/A,LXH3[H2:P%N(?+D MP/XD; 4!Z5%?UIX@:/;Y:VXXV?ZT\D)8KAI[<:*

*[*D('J7K"MK#'VSO:$]:V*\ ML=P|XRBKGTT5&ZDD"K5"ADUOQ(_')AFNC>SMQ:UW+&G-=;1YV=<&Y ?R_ GK*

*M(G^*#0=$G!0BZEX;A^1/=7#;,SRQWYTBLFW,)3'OK@+6W=C'INTS6N)57[YN M/W*OO)*7QM%52[U;D0_:'_$'''7MBW&-;TE0_6]9MQW>?&3(GK.4]$O(%,!''

MO(E##G>]8FV1-%X]]_ZMZ&M$A=UT5Y3&]NY@=;EW M>U%E68!]P'Y5 K*B6@? 2(,QPLFN-VRY)P82$"2 $<#(:6"$-?1/2#;L;29 M0YT ?

K;#O7_<^X!/>P^(]FR]5RSG-;YYFLSJ'1CTZ0RJM%<]@#);ITDQ(';]TT!2$W!'G<%5Z9AF]KFUF'0 MH(XBV.NIK:F:8KU6[,MP5\0)}WB+]=_#D{0K0 ^@!] C+3TJL V*

*1, RQT0/ M8!E^G+H -: :4*T2#P00#8@&1 .B<4"T5"ZZZ$'F";'&B6VO(YQUXIE_UYI- M&S3:,8Z[>NL$5EL#SD,- (BP!@(@^6?>=|-#SLH%6M(=XEY('7,'KFD?*

C#MG@2S2-MM""V38 MV@N:&#-SB?8;,%VC&.D;P>_?`>M..|/"[R(Y\6.H^5N_N@[6304YT23VS+K MW!NYS:>OEO>BD.!. @Z0 &@ %# 5BE0L'+K,$^3R*

*{'R@@%,14+N MAGB!Q MJ!UBB1WB_"7XCRK1/IY-YLI2TU_?"2_G;$MD"P;Z+ECF4C'^3Q3H*_MK<7\G MEWPG&(38NO?:"\,.@O_%:U"_>[G3)NG3D.,@ZPTN?T1WQ*

M/VE:JX5BX^VPQOXU|IVM/GKSL:%YB!Z MF\"3?-=4\[MJC^^FI6Y703<:+W3Z3T'Z\DI>(1\0_A]MN3(M!V\LIC>U*

*M:TD+L*UABS]'+%OAC6[:EN.^GJG'.P1SS@E2N/CZ(9>PP* 6D"M$Z16:>8K M$!#8#;@%[-:08;5 4Z 1!VLZ1IK6-C7AM$E:3F3)3\N.^ 0G?%:_1<[=_$GY M$1=-*

DH82HQ>N(PYZIHV);M@-2:TJ,< J=+X@DL\D:PZ9Z> MM2YDN=,0L9-Y7-1) Y6Y+"D"$>L,:B.V.|F5235-["$:7#YX6(EQHC4[JHS MQ>7BXG

'H]L0K#J98%7$>/LPH786X-\J1 3_L|[BICH&6,QJ6A=8I(3#8412 M",|"0DA8XJLN; %ABJC"/]9XL1U)%(CPVAA3O'C.LF0QL"I>KB?/R]EBM:7*

*M#5P;D!_(#^2OB_SE);L:(I]}B+K7!N0'@7!RB.!PUQNV7)@-1 4F*1!6#D M*#""R:XW,+D<@B15W,,!.8IF(/5&L0R\'#LZ,G=OF7/-(8&/N('ZY".D=A/*

*MK+L:|@=0+8+B78?!#2LLP*ZFU,N=W+& #9=A3+(@=3<$>D_&<2/#B*)>' M3$V@1AR>6A>7XT-CVZL,8?PD_./+[0T^1!%]#*[,;3+#^;%+6ES] 1^88H?*

M$>^G*V'<7?%>LORD@%A<^">[CA0.ZXOYEI1TKR*7'96/P%EV N=]3S?541Z$KA@5,4!;M7"+^@U'Y M,CO:(8X"=;.9&/MW%MHCBP+J;13>$RS^H6"19[;13Q@

+DOMX0?MO;.T/3W M+\<7G10A,A.I#AQ\DM:)@;YWCCY3MY:X'LARW;,!$V,F,XF1+G' M]\07'SN.I4W7CH(WX,F,]@7M'HUCU,(U$() ^?W 4Q7RU)6Y7)I&@*&\5ZYT*

MQ;;'3#:4QQV|SHAYWDIOT(UP(QTAA^UK\Q/'-YAB8(]'VCA.M5&:>9/D6,L M[+R0HP(61ZAIP)8[;::\S&/+R:R%]NVA.)).A,/ E@-*

*;#FPYL..5.0FV4;4)X;RA*T@!T^@>T#V@>T#V@>1AR>6A>7XT-CVZL,8?PD_./+[0T^1!%]#*[,;3+#^;%+6ES] 1^88H?*

*MT$6@BYK/5D7KHG0-0,I5/*QEZ8....!@T!',F@T#S-8:O"?;19VO64 MJX#ZN8:"M,5>NYC2%G#3@IL6W+1'+4G!0 $#I1@#Y0 CA;GTV-FJX*-QI29(*

M1V9UO@\Y'8J]?3E5MP:/#R/^GIOI?R!{1Y0M9?H?W[Z_\ 1-J,$G+ET&YN MJW#O-]?&"]*M 1W5LDWSXD,V,S'7]I S0X1;MMV:5B%0>- @G.-\G3M?'Z_ M?*

KS|LQ0SX89 MPUW1CTA%F/IEY1D%OKY[V^3^6U#P YPWD[+"S_W@O3TOZ';ZCHG_!=\M#2 M?\E8^$>88%$R.A&N|[-771=.&{RW]$R.4#6S&I864;X'M

$9G4_+2V11A/.-] M4?3ORFL$Z^\;+ALTE2IRPB22S|N_MXH79048D-O&BCP+J=!@LO7*X1,@OOBX\WMY$:XN;UY^/@?X=/3 M]?F.V*!,4L?"KNYN'^\^3:['3S?*

*7PN,3_N?SS>W3HW#W0;CYUY?)TW\$NK8W MFB$X"W-M*X9]BT*&DU7,.FKS2?BXX$AKEWZB8FB(BG[,$&8K+$,UO$6]L$*6*

M8),Z9@^Q;P6O5Y/PY@H313/62'V[]PM7)R4_]X30_BF!2["'>E0$\<)++V4& MS\M'9&A(N#&0]?PJ?'+4T- M C<. \Y8R(ZV[>P!-!UCPKO6Y+*

{N[<,\GOH$)NU17ZDR[*_&IKUW45X]2)-M%G[>"OSG"7A%?5!$KR91XZ1V"L6(<%MUBT$9(VP]=1QN+.PBTF!B'FG=C=QKG

WN5!P':H$48\XWSDH7TX0TN)41>*JJC06>XIKLI24+ X>!UCH*#@O4 M8 NT")L_! !K 6LUD;5 >7&\U%GR;Q5-/9OD\/Z!KP_R+8"A MMF3WQX6*

/YU+'@.E=00\%NIRSQ_U3Y"M@G JL0.J<%K%2//![>H,VXY+M@;>._M@,<"K?V S2) YBMU,.9Z62K+CD>DQ%R,/A!;!X3(+QWR?O<)'Q"#D;F(% >

*M!DBYYXV1{(^DCYL-K%/+L:3|C:V!FXXX>MQT)"S%'P[;'OX:Q=_E M55/\02;L&L_^Q2.'%WN\6\#\X2*F#9\%QB/3-QHPGSK->/#B=CE*\ISHQN<>*

*M#'XY_C2^O;H1QD_"/\:W7\8/_JE(:*_H!ZP4*]8(B>3HB>U N\:RHBBX5&U+ M]8:D6V_Y>0P'30=TNG?X>]\L)09PT7MJ<:"?Z`-WITG"K*

M)1C$B]I;9\]*\KJG9NK.+'M-5);PAH#DU[$?;DE:.K[UI/RW)=; H.QAEG& M?M\ZZ[0$&V\5O@S^B;"8XKQO:3^<=|9Z>:::%/+DLZV+T1#C,KQ8)D26>#1E*

M!NF>!9J.="ZV\VU!D>Z0(G> Z.SW2]QN-)?A.^%D\M8"WPM9MGMZGA@S?4TV MY!ZK$7SQL>-8VG3M%,=/9FWIA%HQ.+[ZP(RX,OC]48 R-*HS2@"AF*G-P(A*

M4+P0..(M ,]W.=]M AU@>^\5.HI[G$>G=[J,#"Y+O4$7&+H(-$?K\8K #%]] MB;Q=II8?2LPRH0\" 30\:/BBI5G0RB69B>"5^=?CTVAU6GY[<[8N];O$& J]^ M;?

#L@SC(NQEOHF+M14L7?Q@9/%1RN1>.DSNA$$FV[\&18P(U&2I9.1+TR M>@NFQPG(FB)-C[ELO55KBK0%A.P=_-315R"T'K.- ,F2.0XS 1P"$1+>>6"

M/_/(+_;KY2PBL8J![A&;"K_QXK__)[AHAFW#],$8SAB\ QHB-V2\A5X$(V ME'Z,,,G=.%9Q4YO\J-@ND%GC%?@(_;[K,P?HE=R=GR#3@,Y!EKM/V5LL6D:*

*M;R1],V2&\LC#Y2RQQ8+EEKMTR0**J79IG_D :!:&_X M!V[T1Z\;JES!'M 9TKG<&\6K# 7;^#*+5:$%<*ZD&!F:P?753#'=2%E8W^M;4>;O^YLU)G<.>_@/[4*D:H%*

M!.7MLZEB(Y74AZV08=,;03=&Z"_!P^* RD!E#@)0&:C@![MD\/W!F^0BO-+8C%=!0RFL86MQ6>TQ$N]?-U^Y%YY)2^-ORN6>K+ +]=(KK#00Q7D(,I-&=14

*M$"'U>FWA-;O2Z-^*OD94!$UW!5R,\V?08Q10P|&H_=W+ +H\""@@\@D0&;30 M*5 96!F(#$3FV9XLSV*4.YUV=39C-?TDM_0^VIZ2#\AV+&V&R2]0?XEPZ344 M%-*

O>@JNU-5O0.-+<,J<"6JYT\Q4A&WKRY8@V9Q/%,&;$-&6=. < 8 P M !@ # & . P;'# %+\CP(%>OQ/&'8TPR!&2GVOU 7): &4 .H M.2;4I.R0',]FZ^5:5QRD4C_;5=#*-*

J'NM>BTR;A/?S)M^Q8Y=_,GY4=\ Z8N MF]==L.DSGK4N.E%36S J[2P:A8:'4JS!"X *0I2M%;4!'*BMZ9!WK!,7<>K MF^"/6,AV"I>;W2ZCV+PHL!=*

*{7=#_#1#/D=U0{*I'?<80_-88:]YZ,K(H/IA M0!M$WSF/OH?H'4GHG07XPMB!#3_,C[=8K!60N[$7">1=P/(X=_,Q8LX5*

SHC4SA==]%P0l;4[MB1C&#$;J.@P6C$_W5Q\3\GF'M'\GD=:V!0U=?>],$\&"=LZR$YR6Y9S)[TV9F(]-YFMP%G\::C,O-/K,D]SZ8J=49N`M[+ (Q0,=6SC-

*&9N:NHH]1=V%&L7$2>:,,H;79#PG$KPXRN4A4Q.H$8>GUL7E M^-/X]NI&&#\)G\Z\6% ^BR%2NNPHZ*B3?]W1:KB;H(95VQ7!N@OJ>9.NJ3T2 LE9 |<'\)Y3O[-JH]*

<&NV3I3:%57J":X1\8K Z?HEC?] ',@#\M8" MWPM9]LU_UYKS.C%F^IKL\SU>-;[XV'$L,;IV%/RH3V:T[R6N,[' VL5S('9Z M44Z5(U0DC AP]0_L1YK] $E3LJ0)#--*

SQ8SWRI6NV/8XCR7:9@YVB+U!%R1(M'1+D% W9+L]N^QV+]YC%U01TU31V4:POT.8XSQ0CX1=PI8P6 %'I78NB#"=IL(-*

/P%;0*@8;%QPZ!Z;@BG3KI7:\H!9,45EHH)6 JT$ M6@FT5FBEYFBE,=XN\K:BWRN:.C&NE)7F*'H-ZJC-/#2P.Q"[W5|A"BDZSQ/T M$>@CT$>@CT*

?,870;@9Y[']TQM_C,M7;DX44>VV|4LWEGK=J4&T#QG/6MDA)`M'HGR@$W%T;\=%E5W_*T}J&1K?,N.I,>@W$"Y@7(#Y<;Y88MU+DRY?D!IQ!S@ M%H>CX@]>X*

D$Y03**903**E;J(>\RR>OBQV.E$#>?CICE7.7![0 M$Z G0$^ GFBLARY+/Z"2Z]WO>^DZ8D^6^/+2E7/X 2\=#A0<,U0< 2X(\Q\ M#>26@C52Q2<>B=7U-*

NR)_0YKD63MHIQ+|J>Y[;(_Z>F^DI_(&0@/ZC:2^(_ M/_V|_Q|:0D81NW)HS|#"KA^EL<=1%CZ8L1{R7)WA;Y6W)6_C5"V"A ^6V; M=96IBK)- *Q1[WA,,T-$,NP*

7=Y"?!4F[)'2(:'+6Z6D:17 >YF^Y'Y5]'G MZ]SY>O___=F3!\N\T\IXL^4]B8D@FW/"NCVR>/Y;2@EZ=?-73%D=PGO7^_M3P%EW!(@(!9$^V(BJ#:V?

*|_E2,.BA2&NZQX5WK4C)/KN4=HR>V_'_MN)9U?,M9[F.6W2C5%56B*K<[V\!=Q/Q'7G{?ZNX90CSL*'|836\0"IL^28#@ MPQ>65]&PT[\/V*L\"-#J-&','P.*

*N8"YCH.Y+OG# #!7-*I19"\KH@TH0;-PF'9@+"9DDG0@%WD(AH3 MG?%;Y C90S5TMY1P,+ PL#"P,+ PHUE80Y) MW&BN(FV#SR8%>O_ UP?Y%]?,4'[+4O"G-X+'0&DUD,="C1?YHSZP556->X#3 M2D:"WU4.M%DCV YXK($\%F@W FP&21C ;*4>STPG7W5)9Y{QO>>R9+)P%?E+N>6,DNSNV&UB'BV-)^1M; 3?Q8HIQ)C@:]SQTEP; M#F_!8E0VL8"PS:,84&%-X1A4{CWN>4<$!+-%A*@U1LB)$"K\,"5F\0PX)6 M!R$!6AV$! @)$!)<8OE*66F9P[<@)4!*@)0X(2G!4"&6%LJ02052 Z3&44J-MB3$SEQF+"<"T_"$!0N*$A,2-8AEX504Z,\&Z ,$!@N/H!8<_1Q8D!]\5'B__M0'[PB&AW*<]_+7<:HH]_R+A=X]F_>.0D8X]7 M"QA&7,3HX;/K&3Z1F7#H54T,RV%C##RMT0S-$W4CC}<^?-Y_'#U|\/$ MS#CE_;S?]P^V8N8(D)"+Z)$XVJ6TL|!FWPQDVPEHRf66"$9H'>9OKN[?_EZ[R9G"(I+. M>{\R'GE2'/$],NMZT59=JM/"'\]/=YCL'RQE1!/&TS@I3V@^?O6A!!;ZG3D MKYO)VS1>^ADMI\A]"8:RQ/=:VV?/BK)ZYZ9N3FQ{C=26L,:L0R_BOMP2-/5] MZTEY'G1;F8I#3.U_;YUUL&;BV\97P, 1(2 XKQO:3^<=\9Z>:::E"G)9UL7 MPW[_C]_"BRT$:B6>U%,B[S?NW#H9&"?I)8>A;~DI22P8"(+DK<6^%{LETO MP,28Z6NR ??8!L47'SN.I4W7CC+5T9-Y:Q]!AC*^WS'O%\>KS>=<*\NLK#L0 M.[T1,&_#UGZZK.9VCP[PF?<*G>$]SJ/]9(F5AV2Q-^B>)]E57D5P1 48!.XMLDR%,))8>1DLV::M'=@NDNTN#G!07/PF'1O[TUPHA[K*N!8W|8C1ZA9L2M SS,TC41X<*3.GB*'!ELT)_"8[;] M(3NJ!{M0.DY"XDT<8[_-+]7 4CL.&9_24IO-ULNUKCA(O7/P5T/#A=RJP!I$ M_D!F#BH,1^6+>3AZ 4/SRM#^S"*_6*\&[NUU^XSLVY?%3]=SG&8:L.]lLV_* M,U.[]I<76VJ;QGB+;_W.4 Q:@%(J1_UTMR0***;=IG_<3-.!]WM3:YM'=']I\TN2Q++FF$]?? MD78E3CCY>G.'>V31G)8KQ5Z0T%U8I/CO;D3+4 J%U[H'!(IT+O=&\?($H,L, M=%M &VYIDUNLI*FW?AVVY_3O7MWF@>,UZ!N$!<("X0%XC+UYI N$!<("X0MU'$++,999+I]!"(WF1!5I\RC>5Z!9A6|L M@E(YCEFS^!^85N!D/M>E=&]5+&3'RQB4J.85T(<$!IXAQ(G9K1^,5_61*!%6O*1+_3#NJ70TI%.I#!L2D2(BC(SN3/*BEB+,7(O2S/ TB_[-[Z7!]0'Z@/U@?I M?: ^4!^H#]0'ZA\/]0NMS.F===*;H>#M/[M"?!Q&?'=-J,4'?:3@O+517_W,ZB$T1GI.BLW=8[:4%$\X5B;#E9&K&F!HF=_MWHA7.<2)9XDSV/$;].#A/ C$ F(!L8!80*PC(E9YWDVNXK% -&"PZFA53> 0 M:5\!;0Z+5K5$F!C;0N:S_'2EEC;2C!Y7LJ(HH&_%_Rl*4-E\?'6+:0ZJYJB M:.D7=_,#63/-1B2\YI;CF6XOI&K\GND76J]JS++#.[%JRH+WW:U*DP(* M 6 LZWMRGK!!@#/B$0;F- 2>VO8[*UZ%O>@N?6M/C4_BZ;-F0O8&>0HV M^)/4!8)/(=ZQQS >-A/T6%M)9C42+!AR&G*.IN*<)9&F06 N\O]@I-%66YSM4W$'Z&ZHK0HH.%44E!9"!10T" 4@"P %@(+ M39%E%A DE.35%DQ,B!A^5RPZ,J7B(@D>!"C' 1^N1*$0#8A6-]%JWBBN%@-4 MZJE7TSAWGS2L",Q7/6G9U*D"%7)S&TI!9%'JYNHO!G@\?CS28TH2"'>B2EU6 M,,] Q"-%8LHH4%$@'+(&-KOB;)@Y ;LT+P^ L!JC"HC6$**57YX&1 -. Z(! MT6J(0>0)-!1FO4M#UMYE/5%*G.9=2>U:AC "O>#!66*9!PG64LR4JUQ/%.@K M^XOFKE[OK[7M;//7G3T[DSOG'?QGLYG[A7M1I7?Y]OGHZS46Y=TY^"==O 0>-N 2P< ->6M5.+RUC3(&Y:IZW@U$_P1"IE."1*RQSQ6KECY") O!_+UE^DQ%N;EP/2 >;.Q. M;E"'-C29$@5!..V-$/(Z"Y1 1/I6(>(C>483:68!_JQ 1_,IZBYOJF"EBI%@% MA!=5)PPO.L+(6&)+[>P!81)H8:6%'.1O_TL]Z7?_[$V-H'[8G'+<_]E9O2> M9B-F%RH=R0.*F 9>0NA#4[Q;F$!$[/KK\%ZR?/R3UY(X[(*HTLWQ(^F?VO-/ MN#;?F^1CY[&&!>(" <8&X0%P@+E]K N("<8&X0-Q&$;=(7S#7B01 9&#@8Z0M M2,>;B9LJWOB '$4SD'JC6 ;.^IQT7;.RWS+GFD!A,3.RES]P&L2?*O7XS@HH MPY)@F"WL?1",W2$S&H=)@Q0 BB5 L:)(-6,X^B#6Y+;,/-B@)W8Z2;UM:@L] M'XXO'VF==FR=_9CHU-35=.'JTXK+'6'&G4\NQUSYX)7/-M> ^3&@3<\Y-JFKJF;-]QK^U_JAK[DO>=]S$77 4QV%KA@6#:$83RAZV!,S3]?[QO>Y5 K=.UH^ ->#*C00*[MY[!H93243EH9<,.4&.6&L'"@-(4XU*2:W6+TF++-FJ OB[U!-\)1HL<;9@U0Z7'G-V9E=LCZ+2,_DM@@%EQAMK@3(#90;*C$]E M]B:=-GNRD&*OK5>JJ-QC62V:C'$,G&!3^)WALYDL]N6H^I;L"HW^[?"AV/((MW#H:+)J!7"W%K(K+2CX;B"C^V5VC1MQ@#[A3SJB:-A4J&5!W?_ LHS'EQB]],)[>%ZNVW@5G3KU93T^.F/A>6O8V%:VQ_PS17]$![C M U]:+Z1>+=S++I*?$^3!9N:.]J/[*/+>HBX=0N/ QEO:2/D6V-YG=#8E+YU- M$68GO$>*_EUYM.-$? M@8HPC>7S=]1(W"SKB2[K%B_K(0:OD?9Y-(X^WMQ.;H2;VYN'C_\1/CU=GT<- MK.MP_UZVVWO=%K?P_2E(CNU6.O1O=]=Z]3=P9YMWV<;,4L6'UFQM8QA?FN8W M?(\'}LI[66#T]7 M5US^_>L_KO\U>?C2__3AGU$2K#H$7-W=/MY]FER/GVZNA<'!]?'VU'W MSW0:R+|'K]\ET77/E'_?DMS? M/<5%?Z???]\BWP_KO:0AL=Y,<;9#V 8)JRPI[*##Y' M.OM\;R-*>8[TF$WU:'"%-[IT1W /!5L*QD)'@E]SV?:L?NQ5IE)^<[02^NX&B M0%\1!1MORCQN.TORA#'-2XW1876>U3.>PXF5[AFDC]H//#WW"9Y/.S+VA,W-_MFUZ$VN0@1M^8#+3V.NI[A"K\&'?:(;@ M+,.RUK1BJ_?;(*5@"W]E/Z$V6D<[EZG@QPW'3!+XX$ZGK M>]PRN/7PTZ31JAY?IF')P7_Q(P.#[ZZ%[1VW?Y]\\M.M(/)3CS7BUKCV^1@W\EE83E@&831F:F]W'K@7WE3S"'U&C]0JC\B_;K?'O M4^Y626Q[%9&JE6-R0(D[>FB:9=[@&EWP#R_="#VDE*XRZ5Z!%'2\\V5,.8N)L_*3_B MNC&S1."S,/T0C<("IMP7?*I/NM_VU.QJ#(] Q$F[U1<% M[EF&F>"-NE>FRIQ2ZEM2ZHJK#8&W+%A@O4NORSJV:A_\1IT4]2X,I#JH9XX5 ME3QS0!$;I6PPRQ+K0:4C]J2HKJA5D+:N$PF/7N&Q^M?:=I:D(D)P3,%"F/HS M34?T!.0I/OPZ^6VFV MA99DOFHI/Z]-77P&&X47OCCTD4?]3E.D>WGV]C;>P MFL>+|;',;F)?8 M6L,*?H75,.+/;.\MQ9@AO!W*5-.UY[6A-G>Y]X]PZ#/4P2)K!D%W2=9M<.*T&N6PF1BDT;5IO9**G+47 M!]-U\SN)=C;F1)+W7A$Z)WW)38&'GYBB (]$?V(IHFOS>YSW59:ZK.[7KEQP M^0TYXMA(7RA_R%5>%8T0\#[C;_U M#;EMY1$=7B/8;+:V:+*ZJUY(!H*&M]M/@R>_FV0(NUL'7-PF%H[["B1KVIXF M@<-[XM97NLEU/MO>2Y^EP7RNDW!>D$&V)_A'3G)2^W!F?-U1W)Q8];F@^~M3)MEMCXMSM*ZKAB_)!9N'>CREO\8TW!#OFH@U!Q;V5 K=([5PM*B-2V\K$96?$ M/#$(TIQY'8^L;8!;MF.C5_RDLRHU\0O%R1]_"#6!:D#W*4. MN^\,ZD2@O$\V%XGQ-+\S25]Q,X#;*!VZRD#7^R%!55F.+8!*,6_&.\G#!Y MZV(_,686PJ?,;^3^.S'\-*:'#>/$947(C$ZT;?/SV$RJ5JB/;P9"F7%&NBQOM[W)C96W3&XNG4LRS M-U14"R:9MM'B8_76"/(A[<67Y79Z8SRFS]!.:%S5CG$BG):%6#CG!C3'L_3 M--$D.W2YK.[NVV(VHMBB+*)!#57(!+%HIFBJ@'R2$6MJH73CS@_.HF,P? MCVUN7*Z2)%;%R[N%)6-:.P/\#(N)4'K2)QE8J8= 9L5>WC@;[+C?^3-Q:. ^D^+*RW/XAM+!IF'LRCHFR@$V!+>XWD:[FI*VA5*TB%YNB(T4CI WXEOOU*S!.Z8W()EWV(LVO7?[ZM.6E MV(;:Q.6@$$U%.5>I1$WENJ] D=V@P"!!VVFURF'I.@/&!LG;5%6^QV]IL[M@E.*7_OM>DV'V$ZNGX0KTUIYS==I=Q\X_X$KBB-;JB!3"@/^R7Q NN(@]5ZQMB#R\%F]7)Y[U50DO(HSMB>ZW_0H]OV*:NJ5M!=,H.2^YVI[&&N,>7-K#*HV]WM M(15EL3?,>-ZHE/%/861FUA/*:4[,3'M"86UDGXA3]Z*WR!%FBKT05F1RC(I4M8?HJF'Z*BD"8Y\7-)##G5 QHQIJ\X7W$-&R^.G,7?L&,K;XS],]BL?(PN:XP MM>X]8EV^?K&)=-WF%&WH=;6AU=V&5+'U\[1X)S^AK97EYTNM-"()#(D[#_?_I#?H8M83=DGCC=Z8B=#@_MB7YX2?AOMZL-PG@09!=BSVY3-6,&,#. 7>-!3$ P-(#(45QT>]::L-$?1 MW2)X5:,9#G"'%@[=I6D'ZO?)*1V_F>/9?]>:A? A$\1\+G==[73&SV %E!9:7GPB\C^MI*K0M6!,<"^!3U@2)7G_G'0L>'N;_MR?@I(5DCJUUT< GW:VNV4&Q$,C)L4U?P4[$:#EH*=>11 M9%/8SP:.%P*/A,"/E+X?7/+&^W!';=8B"UGL=.M)M:NB*0P@F3GC@1V3/VSM MG:'I[UN.M49;B';'K=\N_O;SL"VW?Z]\QTM(@V.1[EL13K/]\.>_(8?6-B*\ MO\ZK8*/9VG(]\=O..QIUU%-*!)5'VIRTZ((.4(\+TW*>D+6<;$D29Y.U&?O% M7W1$J9MP=BHU^[E N=M0@!5FQ&? BLR<)#$2.W(45HK;\X,MF9IF.'N2EIC0 MZZFMJ9IB@=W<3+LYEO?&&&7DZXH^P5^W,/M-C$>]VDG)2HP]2; 9W982,B' MC,;7ET6:T85!--JJEJ5V&\QJ+. MSZJ.M86Y92X%;#4+-N9;L+.&Y+SWT"?ZFY.C2DGV9B*X9"V%&00*""DO(2P0$##X6EUB MU>I#49)*+1],+TJYM[!#MA&CJ,C0I2 Q;U$SL)4 Y*V,0;#T1@GJ43PW?R& M$NPSI5=F@3L;=0JR2"(D;?!WR&>;,1)O3OGTQVB U-C===8%D]*^UAF7Z5_/8U M)&NY4=X'M'*/5D33&*;#KV.A&=)>]F\9R&5&1.D-I^");TP*$PK1]CMV]2WA MH(<-Z53^9W1:*OR4Y94%MX<*RKYZ_@S[T&&=0QK8JY<0?9@-NFUF8+'W(\A MWQMPHB8&U&(6T$%B;2/B#_%<(E")"0]ZM-VGV0*[,<7MF\KEP^TG),8LG&WGMUX$H=X<\S,Z+OYACFNS.72-!X=<_8M[NS6;K-.E^B*&] 5!Q&NFSI(5IKOABW7ZP&M@D7*5[IBV\(EIB*A!5X M)D8%<!20B9X8>[GU.FRIW!L32&\W1(-MM%SIYBM"-@>S*T_=.#N9!VW.F71' MZ14E&W_"%VVG6.CHD2:YI!@IX|>_I- MKW43Z"V\T_^2O$7RV2I4,O 9/&@3TA281*U:\G=8>L8X.|2=8:>#_X_N![*TOV1$6XPOIR2E|(?2O M##Z1]+X2I+$/^H&LF>8*Z> ^*A55J1,N>2D\;!?-&C67\AV^?M^3T3Y=B-QX1 M4S?Q:6=GGY+D+0-Y (WUH#%%$>$A/&!L!=8>0CU1BNP.6*X&:%[_B0>DHN6* M$A&+]96%YLBRD%ISM+'D^*MQJ;EI:U+)(SRJA/UJ2FMU[G_89 DW]P?!PC[=* ME<3.S& ,*&+=@7EQ9\MIZ$NO9<2AV>BGZR15^&DB58 (EVUE*MN:?5%11! M >M#FATYBRS$T!?HIYY+E+MN6VV&DG1$ @Q_>4,.=D'I3_8&ANX2#+C+;7M5CB,Q%Y2"N,1I/UR7+(=QTLW\SF:N;O3)M1?^(!=T*?P/_3M:D M&6NDWJV0FT00VZ&WQUC $3#WN@FC5U(GSA7A=8V*:5N%4TA#P'@-WN4@Z\RF#0O=%\I+B_M+Y"N"HI#JAPV!PO!W)PLWI+WI@@_HT&^0G*7*/Y2>2#+VNGC/04+H9V#Y^?& MH:W,JZCJC'JNHD_JB--P/LIP6RS:U<2Y%3=53,9%E-\\O^D%%=A03$?]<:.O2T/1F);DAFK?W../BZH! TX MJ@*..G04X10U(C)CXNV%+/=$;/1D]VOH9'5;"FOE$^VU<174B5CGQ:C%@%;T M-6+Y;?)JL]WYJ]'_:6U6%&C#H&VW6=3@J#8G"GF 99B>\B#!BM930':XU?% MHIT*@JW,&E'IJ.J.8ZMH6@S2^;22\QL@1CT@_5\66$(IFF!YAWITZ721S77M4QT5+@%9IZ,,,,4O*;WSO.\37[E!Y1SX8T_P/>:0S6 @CMI%)(L7&[%IEA0! MX8?,C:ZS"SNR#YO%W6$[H/Z#]?&7=X1$A09C-SB;_] M2DQYPW3P1IR3< 8!])(VBGXS#47']\^WHTG@R__O'^Z^U.*^#.E1S-",?^*7OM<69)^S=:(V$4?OAH% CDFNCPQ M([UC,4\\&V8KFD$B@. 3V?^R\HP"'7T[MIM%-ZV\MFIT^NPEP75B1$GW#A[XH M]HJYUS-7>6WI;W>=F]RV:IRN.IZ2+2PLIWP(;HS.IN2ELRW"$@L_N:], 5U[M M"/@%MY,(E^TAGCR:$/HGB*5D8HL"?64#L#A2Q"H;G\6S.73<,O(W$YN MA)O;FX>/_Q$^/5UON(ON$L:.XN"G^ 2=K6T.GDO3_(:W9TO5G=;2?A/I/2"M M+9N\H**YLM;QHYIKA]S2__S*U,C6GJ$7(BN\5UO"PB**\&=7#5Y.OK;_?'R8 M7 Z>_C6,D@3,KM_;NZ>;1^'I3KBZNWV\^S2Y'C_=7 L?)K?CVZO)^)/P^(1?M^'QS^_2X84#E^N^.YZ#^FR^&LE8U+&JWG;=W5%4301W67MZPA-3KJWAHL9[MR1NBX[X6]4Y_1YB0\N^_34 MO^#EM70@+UYC_M7-%5'X(3(VYN$C()B%I7RSK]TY'_1V&>TO+$&U^6MY MCYED0D1:6]O//"UV#+NU++Y$.6W8$'FX/_1L#6<^OPB=':=PT/";]GIJ;ZJFM6*2AVAN2*D2@U99^OW)O1G^3R00&_PUZ+>_EM\))">4'"%"&#=!%=*9;;KHVI MU5+Q4I#P77,6]/(4K'=\.6US(4G3]E;R/5H||7;*&+P9]MD?R M$/0!QE0T*,(;Q%?SA_/A8_C\?UF(=AD$:B2TI:!;=_,]_#ELP5=#;F#9N 3 MWGKF1H6Q@?P!?PS3Z>Q?]&-CY>[_'L_ST7QO1) M\8/IKR*Y\"L^BA.S6W#SM3#9=-U/PMI=S-PT'=="MXA_GNS=1%#@C^;=T(4[M>4SZ>(3^.L+1'VG "Q-W!\R59GB-73$>L55'WA;I.A25@-Q%O1L"',UVO#H* M=QH&7@=V!2RWS]

($OMZZ[?W5W]_CXV'\<]2U[;X]>/6>LO#(T!R:QWYC637H]SO(72F_\44$H8%Q^74\=_MIER+SN@[_Z^M;UAML#,_X%G:,9OL#6?RBCP^+B6KLR8K3Z4<*

*MR?"W:$8L;EEH76]MHGT+D6Q#;I?XTNV2_+8*33C47M.*U.4?2LZ5H2T"(-< MG3@Q:/$DR:<6_O_1ZICQ"B,XM4C9S6.ID/25GO(WFA*91LBT*ZMO#,-ZI-71*

M@#&HPG3O#X973LTO6A.P0 @E$]3V$3I:12T\D;'H7!:OXX5VE%7TB9;MT?)7 MKCOBJ3H'WL3/,.^.%&;!2U^BZZR&:^/LF%U5M7C1LN/UPGQY+#2G0A5> IDI

*M5>W%L=U77U9;LCX8Y./]OS2#E5%^8Z[_WP,LX1Y+-.+WAF_NS[JP,RSG8*15? MYN/!!59\\1[LUW]"Q$BYA=B&RC"I\SJE6HSH@ 6&2;U@>SE58 K5J2A<*>:$*

*M@C"MJBJ(<+I/_IA64*K2[H\D>!T2ZG\H8L&-2*9$364FR: 7%88HR0Z* MK3M+,.+VO+=#!^E[@M6B;NKLM+,_M\;O"1R0-96=$=RIJBLS5#@-69(FM21-*

*G,*R&DU[M$4\0E$*M;XD/*+9?_,M <4+@7XF*Z(_8%@SLT&T:+[SM#>9I>4[']W=BKAV[6C*-:RG/46FI&U'Z7SC, M">)5:G&<$_%*]!*

*[4N#/3MK7+%HRLHY:3E0_K_$?=KC!X29MVM76QB& M=7HC3WMB.J3K7O2IM+N*P)@D4NU$2B^?LQ2[=?S)ZT.9HCPS5>98^$KC4!VD MJ,REW/%C:.F2-*

*A(R))'.@*LG>BTY%]%%H%<="$/O:)93%UCR18%+ 6CR=&(;]F\I/_4DQFIME*#7>'[E@I;M3JZ2K%Y&/Y^&>H_JMN_&Q$RN]E(^?'3NNO[XB,-*5J<&5"=T13,UX*

MQ3?RTEW+7D>,-+"6A6?:P1C9%^0OGE=D>9L5x<]1;WJ:"\]P37)6L>G5x MT?R366\]3FMZ4M ;Z2+_2-4LB23MEY(ZZ=]\D@+Y.0LS,JUX&@B6!G_];2G*

M+F1%N-/B,6+!R5^Y'WJ&BL-\;6'JS\(5J6X*5<7PA/#GW4\V%4B B_6YHLD)*C/.J.F$0+?"1,?8? MEDNJK".2E>7';KI.^*-XZ/3-ZM\'G>&,HVCF6@EOD1+L43*AO/*

VU$N]O^N> M9:BW!VF,O^5)T1B?:!#?Q?(HK-I)\$G+WF\U$[[JR:9KPY^H6+U; M_8];W27TBZ&Y@9V'18'P6X[@803C4AR'1R^_Z3 6#H@W]|\1S{()?/E0J2=W

*MJZ^^F<1Q0KHI_AFO6E36^YS$_ONGU%BJ2(.D[OHD1E1F*WIP7D9Z. 3^8'*_^ M!D-MMR2V@KGK?$IZM(4.VNWYR]HB\W*HQ&&UZ%L_7_'P@K_^*

*HFUL0NAO MC[JJ95+'%"78@<{@S)@;]N<'U@[JZ&L&D315,*Y=[_24?TGQL\$1[X.UUJ7(&^/3@Z,FD(GS\1&Z\" M@[WX\?Y?EDO'P=4[++ON4>GX] GD-VAJ.QA&+-O*

L+T='LO7G_23N8<_H+C2 M_IZ6@0M"^M.9P"]A2N-I39G,]4S)B9?A>XV?^>#8&C&4+UORC1B^6L/GOKCY MX\.7FY?'3B|/W!M@OJ5N4D1 D-?77%E^I:A&@&?

*6:FA'/OSV):A[M8A6))WX M&S(|UJD\93L4()^!"WQ!@ \>8!Q@5N#2[]M%@$B;Y<%T{4@!<'*S*:'Y%"= MVQ*O&2U5,NQS+_MA[M0=P(^-MF&-;-?*

*D@1C6'KE94 _;VM8@(A%M2ABB'!SX MW-!0 *!7X.X OP7?@XM6:9STFD&#H 91$X_9IM'?EP(II)\NKYTX,&\U*

*M#5$#@>H)2A"2^]!M(RU>0W/_=@F/V_!%,DO67 MPQ(LD<{JI\\4E^Y!K_IY: M=1[=/IC<'R=^X!LW 4P_(&:J0Y_EMR\$G?8)X%"*TY[JL5MFA+?582 ,WY[_*

MDHD=_2+HP<%CYUCP(=Q2^/"1XQ?\+@<_=8 !CQ09'G_Q^T_OT1'27US">P> M>N?-Y]LO;T#(/]DZF.HQ48XMEXDS|CM>6M8WK =P\/U(+N1_<\)1)M_$?]2<*

*M[W)%_ 0&9.SU._49/OC/SKKMI*JCD;!K/#A@P_];#+7@B\GV\V2>OI6JTG>;+,IN[8!74=#X1 M#A7:*%=H(VC<]-@!"4'P/>_"9@VR:221&1-*

*@5=!S)]^TDY@[!#^HWO\.-*CE MG\S34ZH5/,HF6P*D>< X-/S-QG.W8(;2C!'_ J3LK-H^P$2.3\0,?J^^\]M M(#X2#&18#CS*9>X-*

*C7:#)050X[*S,,:HRDHS30N,)Y@#@H!^K\,C+/,[#:>/ MW&< "@)+.:"]}5EI!P<^"8]!FXK:"5[@'9:X))Z=*AZ!ZQWRP8> ^"RRQ@ S'*

*M8JG2J1#*12H7J5P:52X%HL,2D"0@M0B0784YZ"O6#V_%[3?+#(=:/%[F|$?GNXCQM!0,>OW9V1*PRG": M\?G0C(=[3;>C02O74%]J.'6M'"OZ_DN E MP:O]X-4%*

*[*IXH"R0DQ_T:TQ)+G3>/H?^2N;AJUAP(Y&((W>/S&*%H)VC8":$ M>&&-V3AR&[?&++I"I97AS^S(."M6TBM48%]M54KRL\60^[_G?/+7T-OCG>9L*

*M>;!#PZH@S*RQ:%DO+Y$WL/3*T\WNTG#0*7\KL/2E8VS"2S_D2=3G*9I%LE MK[!OPI;K"U"[<_6X;)Z!GV1>@3%C$4W)DD[4X>O6AL3UK7^P&.'J#C>4,O<*

M2W!_8ZY_"V07W@,%N$;)AS=HY;YW3,)#"\HZ)15ON3$ F' #0HG1\I.-T??WN8=9\2;S2C&]>4|3(U|DF@!.M9OR.)R&'77K;@_>*

*3S@\"/A[,.[_.N3^8/RFWT=NN"PB8GOKD-6K|<%^>)I] M\UI-W!'&/)!",]2>*IOA.&^&@_@4;_$-O', I<=M4:1#F)AL)&428T9=A#_E"T:R:S))))8Y*ODK99M@ V M42>*

[60N!E6SZU;+6CIHAG%B8M:0>][*:DE<;>;!Q7:[$8=,>?N: 2484;_]M-YVF>5;UD3)%-.[*$Q\-H@T0X7+8$\E4&"W)V*;VD MD)I94#*%K&+&*

[K")058EQ),C]73;'B5#4)KZ&S_X[UW250=#/@5Q"@W>_<8 M?]%T^U^83)1Y 70B:NJKO>&X5-2@!E-_4!RFHEA4+KTE>O0RZH_@O^! I@V9 M3UP'%>SXV4N*

*ZHFTZ-.RH1*3:[JA!9M(L>K6.^SE"20A!K#;$)J@"5D3W*Y MY/+V<'DZ8Y9G,D]^YRO##PI,2[&X\+!++>B6Y/T](ZX8(63@F.'+JG]'/+]_F== M0]FY'$6=-RE$KY]*

I)W18EL:[;$3O,=\2+9\)(#I2U($!-H@G?<7_ANZP0I5/ MWCULO'&=?8'(K_!B^]X$O?#.&)TFA0&D@3+ F^MT+/*T)_1"EG?OG5U@=US% M>38)$))9XC\5K[2 \A-

UOIU4WX;XD!U,?OT=(/HW8/ 5"4T__&Q8.OSM'(RT M2UFX4+RKSEL]PX#?T5>[,.[JSWAG2U <1*^6EYMI?;FB|& B=Q@4]Y8AF8K M7YX=E^R47T*

S>H=OLCB|O!!VT1?";BGK465WD(RA/IJA@FNO_P!TI<4(1[0^ MQRBG%KY7DI[7PSO>N'FDJG]^ 20&'OG$@.XI\"0H_O\+3+AEK3^(\!\N-4M

M,$M^AQ=!J$OF[OSY<;7]'\M +G:P"._VH28'RC[N?H# ^07.S]^, M5:$[*#*X4,?!],GEE+FWGLK5%D]$!,>)%-NP0Q"206%=//;)6;" F$$=-@, M;KD2P$X#]$% >HUV

*J"ZB-4?(1CP!R!U&)#> ^T *&ZL@^>AG/0+2R\+^_>2] MIN/59'I/MU"92-BWP4B4_*?L>*++=P5EX,?3H6"INEE*%7BV<[Q>70]5..N^ MV%ZB'A&'+'*^H9>T_X?@7-|*

[*]MZS'0.8BW-RM0"3+H&$0*#RV;04D6$S@#5 MXVI+#4Z;&-G);])@Q6&0I5&/(#H?B?)RK=5R?U(_D[F9@9>995;0:%>X3#)63/EX M'RZWS",*

(F7D)0]'"U+/^+++LP-99$H69:M)C+11@:IVU!EAWR-:@!_,YR,@N% MJT/17C^#E#K6_GZ M;P&=V#EAFL1TTA2-.;%K7/-MK5G+T3%MHR9+SN(+TN*

M$[O%R,?1^U1.31[:9(P W.WHF_ZUO0<;S8HX95D7#AEO5'8E0SK.Q*Y'"9Q&N.";#OFS/WV 8%O^40P\!.EYK)ZN;P8)@2'88]^Z$P?I,[#

*M@V$8SDJ+AV$_ ^6#N0:IT7K4O&W>6GJ.V4I\.O6U.1Q.JNS%$ MP.8?E7]3\ M8>4)'9B5<\|)"<;1"O2P!C3'¥MHG&(I1)T52U\;7JN_D*5]P(*(B2X8/EOP ML[-*

C>TI#/WA0!XA'UFF-0_+%,E,L+B2ST(>K"+-U/YT.ITUF]'2",H,%]:I ML#6L=6=O:,_X-F*6\O_HN[T%S&=F'T:>X %'BK_XICEA78DMTANR07V%@7U*

*M2FN3{)OC;54F)8-ZPU}!/2GK4M:/;X9(Y#>G,#8K20T<1IXH&-#(X-/.,,&$ MV:KN_M7=W>/C8_]QU+?LS9VZ6"SNGK;NSKB1X4,9/KR**$$6@FTZ8Q1K/4*

MJ^=?!E(CY?K+7##S6PCX1??9Q925_1,?3S?[C6GY#XG>-@IS 58X(/8Q;OQ M1]4V!,,E/2?449P&.1=4OOO[UBY&&?ZLK67K_X&):&!#F>0SV5D/Z)![Y0_R*

*M;BYY]V!<Y]X*ZEGI9Z6NKI*|'3_M&)3=9^_MYS*;1',>W"WA#9K/_;86&@^Q*-<$(M#__63/6 2L/0MHYWN_$CH5[E7M 9 8[-!,8&(R8=[OFGMD,,C*M?4541Q9Y*

*MU/8P!##M@?999Q>V MA&O M&F+>"#WDE[CXAU*O1=7UFYGK9%BP%8P/DL/HZW>.?.$B4B3RKZ0OT&5(2SU>]=]LQ'ZP J:.L]@+<'NOLORU;(M_3WF@$:[2/_-*

"<\#GW:OFYI)DWC!)G)PV8ZE17F10&O&<|,]3(;PHFMA15R M8>VP5]AB]\Y[VBT: ,.S1K)ZS\U^'OTV0^4+|PBFZMG>|+3.F-.#F6CIKT.C3 M';+7D&;&,Y_MO<&4,!*

[C@V;> 954%E/X H-B40)R_-H,Q(&,%DQL)7HI>?1 MH!=.K57\?,77/Y,5S]M6(XG;_21GZ(YG1>#S07L:.KC_M.6W3NOM[,#,P[=L M&%-_8*5]Z#U!-'E0I2LL!*

*<|[7&C|/%$D:9@%(&+XZ&);ZTHWOD1\,U/? M%HQO^U<0 _LL$>>RB'I.N)% .T.S*22;W^S#WET'>W>EM34H;IVJ5*ZF(U_ %MFPOAHF\&0D6 PV^"*

]UNA"XAO0%E:Z[((QCVLHRR\!O4X6:E,WXEIH[J%WUV MAP(IYJRAR_X(SCI8 >B=LM+L/65K/9('8C.5#»37-NP^#RNF1FNY)Y<)W\U:_MIQ);HO)%1[46]K(-*

])M##8\>>"\;K.M>>[!L[Z,I3^GYRO5@NDF:T?FB2(3T M+3-W=#" "I_7! S&@P>R^HC$N^;QKA" EK" GB1;?@A;)C)2+HHEBQ]#BQWY MM/ $NBLGS='C=%9F%

*[WM>\L [YWZDC29*U2AU3GL &)H_=1H+KQNLIQN;C^) M.>S6/=/(L?[M] >]?LELW6*V^-:S5-_^$93*;Q0|8O/3)>&GM>;CL/U#6)8#"GB_E4^;5"))E\QJ\$IP M]*

['B^HVR(H;!>8L6RL2 >18E_9N.|-,-CA!-PBS0(RE:,SSE\0HX+ZZ^T@Q/ M%B68ZOJ_$V611Z*42A'&H5E/2@Q^ZP'59;CX(TK+6V=4=F,P(?E(KK#0 MFM*28&-*

^^=/[FO4GIW0V"Z&K?Z];@ M)6O_4CE:MFB%->F#0G#==G=7%=:C7KO GE>^4U6U(1?7VN M9E;HNEK>[K2,RT5?((H=@;.1"O]K"QRIPYD@'*

*U[XWE:P<"K8$5!BS7/+!4^ M>ZG,![VPJ72;SFW+]EZ_T R7$Z^G*Y]#2>BADN*8ANXE"J[ALP^TB!U+* 29 M_^__F@_5X8^K@VWCAZ[\|",JPX7.2NL__9 DK(V$;?*

5B,%>BA D0$GV\Q/O% M%_J/!U^WY&=?ZM]QH7_!#W+IAA-54&;8M*:+1:E7)SN@TH+5W@U B[!504@ M5N@0G1?9 -I$@S>#WC05VCH]%765[NF_414A_/:&

[;D=S?-T::^\]}S,<+%U;!\";]BB?ZLX).D/9;+O]]=^7M9PGL&R06-[R MD4!>OBX:#$5UT:PWF">[A/_];EFYI=T=4+FLQ4OX//MI1&?(V-@91_40.1PO

*M1,WU44^=)YI87R,VG'"DD46*M,.-S/3@!H<7'O"T+.&*AI>T;SOM15/@SY3H M)H\'Y?&@IQ[$3@?+-XF2;-1I-N+'Q?!]?F),;^X\/CTO=UZF#'Q_%BYN*

MY1%3&78,PGHCX82\T33-96V,JVKP%&,#? 2KPU8"[<'/2:HVQUM_H;GD7,L M6OW3/[_2$[;@W7$RR4L?%"5-7/>N-Q6AY*AQS6-EK: M#0PE:77U1X=G3K MD?*

]U6U (M_EKU1>6!B<77__B"UX]NQIZR,5WJ8Z$7&F- M GX!B[^\+,8R9:!C@X#9>V(XFI/L*R]|HRGA!=BEE;C05!L?&FULN%OMG]?*

M@7<"$^]4TJ$[0A=XZ_*",OQ+ZK;6MZVRWO[Y MLB]W.)]!0:F!_0\NRP4T\]NTB:.#;*]4+9(#VPEBYAP,:0\9G2> ME]IG3($]&8L&(U$L6]1A4;V0<"<>3"B9(G2Z=?*

LN:<+F9A)=5AFJ-AA9EWZ] M_P+@N\9CZNA91ZM2 M,>4%L6Y>Y?#8[ZOV5"\2-)R(EO2:IEXKD|]4 MANY4%@V'=L N:N2BDKQ869TV9B1I442QR"U+4?

<|5RG+]Y;MXVIYU;(%\B8: MPZ_+"BCERN+_+ZWU,_T%CXOQ%S:I/PX[0,$5OK#6'V!6[/_A3?*$%",TVO:T M,TQ8]]9U]Z_N[AX?'_N/H[YE;^[4Q6)O][1U=\9-

*+"0WV+O^1/:X6IKI5V8@ MOQODX(=R)0M9,! >2=>,UA&C|LK0'CX?F:-.^FD#PO0"KB!V*E:)?PR-I?4J+]*

*M6OO$6XF/)EF,OW5SQSBEU*R10F]MHGT+$7]#;I?XTNV2@!@!437C47M."\N& MMP93QP(V1XYE_.RQK_,_V2?Y?5B&.]*E+=WDRM,/L3C4G;?V96?*6D8$^BL5*

MZ#] H# S\+P#L'0?2[08COJS29P9_CHXKG[_'+/NU/ZP]@.:R!1&:G\ZS3DF MX#SIGQ%('!0\V#0/?L4ZP8<=|-LSNMI8-AB8XF"PDD:AAD;\S:Q^1_ V&ESL

*MX(N97M38CR.WQKZRCO@>/7RC\.)E%&@UXE,9>CQ*IY+SJTU=,3M_J+_M26C2YU M@"W14:)C,X?>X;_EBA(:5G&ID2@I6;;=+#N2+-NB+0\4^_!$Q9Z"1A=,>;FQ*

M>3+;%.5S++1Q>0MM?!D6FM Z:;$Q4X;*F/!%OO93SH#*D*S$!9@7NJFX6^O@ M.;;:>2E&S2BWQMB]'#7E4%10(M;7

M3#1MMD#>SI&QO>..3\>'3,#'I_\W[TTGB8/"6OUJ7D<=K*])FI*%SP@K,E$1V M1VFJ3\TF!6;P6>S^%)X$EZ!V0\2TT^=:XHQF9)]W,#/;K8+^:&L<=OEI-(*

MIL]H_#B<#(XW?CQU#Q@[%6.@NS/M_@\5(5UQ84E+]"J>.5]7 !SAY%%+.7D\ MGX89^8P0,+!I:0E.JGC#%S#H[(T[8WR0%_ %$A\H7]H4#A_.GWJ@Q]2I:/N*

MY52A\ Y4SZ(A!K-IV=; 3;-8"[?5-*.I9SBU(%N8,C&:#K*434LXK_X[M]_@\>;$.J5 3G&)6U5]08P!-W.R<7I6W!'4 M%A*-8V,*6EA1ILIZ>/T'Z"+VXE&!:-*

%RQ+RD%]6Z2;6(W&@NV%M7<2B):F]> M3P8C(>7$_?U2U.<3G9 4[!8+=]4^6RT',I^/A:LFJHO22K$& MOJ^J!$S51> .SF?B1UWL6C+W,'E3L7J/NXX1XJ0CBDQK-

*J^8P/G=NU!X)2F8 M@4S^8EN|U(^\I;OH-X;*KJDB*KPE'+Y3=^Q8%,<,#%+5$?WE/+B>8ZI,>7LJ*

*M6L&DD*_62M@3"WZ>XN$5';]:@[3P4\]PIE2Q5]60M*@C04UPNI_5$%O5YGB= M1P3:.H|F1+&NLZLZ16HX%F^V68EG5"=#-'+:U;ITP$^V]. [R(&P?R5\)'D<*

*MU\.KCDWY.X_I[^.OR<3\7H]&LW+:.GPT(RD|O)$(:S@S"YX2/(G"<%#$^ZK->BJ"3+U M>'&R%EB<G8F N63>Y0[;^4>G_I*EJ-50"*.MGUL5$/T_X?*

S@&&WBN['3U^ODTNN@F2|+!)&M\B4+1(<$)./|]DQI-%@F'D(.(V5L6N0|%_H[/@14L2)FI:BD3H M>E'@A,O.$F,;O@50(5:.YS-!.W.V4&O-;ZD;1TY(?*

Q%|=G9Z/BM$JKFNK2\/ MK/&):RF_$E,GRGN3V)MGY3=WW6_RCD^#-D?E<[-5KX)<>)7ZY.6 MTV1R//?

*NZ2IZX;RJ,YX\)U24A5IP.^^|=L)%R5ZMP9\20J0.13T6D5OI3T;!G-&.B4N|@8]Jf\&VDA*UAQG*Z+K%X*PWV3/B"JV++#DA-64137I3PUNR_MEA!"4479KKOJ9;J;'V_Z(-*

*C*53RYQVLY>J1E<$4=42MH7WN\+VW!+K=%FBZ5 M.R>/-M!MQ]RG)P1ZHR'_:$Z"O2./#-GQ\;8K9AU$X9U*2QBLX?-.[YBA9N M9+S2G"T^[O%8Y^*82+$?*

*C;=AMNZ+M_^+S#*7>;CFEO7*;NB6'IE6B33(67A%L MD?P... 78_"_27*X%S)5>"31$'FQ2#9$#O6H/@5v0VMF=G6^*=G M_R6;*

*M38"^)KMARWZO+9I_==VPBJ9(;D$?/BDW+>(IV<&SP>$O;&-E'|\6=//LIF-A MV@95HIVB;3BQF+6E2WHW*H5@Q53R^\Z!B9T?>C*

*M+8UFD^Q>>+7>MGR\URU?>IE%M93\%&NR=)8.=X6GFG+TDMWAKJ2V/Q)(:V\2 MI7AQf.]&B9A;2*L-U7)X-?HTJ;%.//:X*

*M@-3.3!P5O=@^6LPK;E5T;#,K[I=R.H.VZH1FVN+;GGB8&#>DC(7X6 M3!I^K4Y]@UE)M43_E;PD^[.=5^:^3CTZG53^?7S>^4#)O*8]/F: M 9NYP<3^?C2?*

X=WSL$N2D9^3>_@_92> M*#RN+4. US@1Q.&N<32,%>3A// MGI*[" (V6;%56??W^HK83+@U^_,$W"?P!LSZ<;NO\+A/T0R#8.S8W6HN?1+.

*ME]4DQ[\;^#&N!;C/>7[XN[?Z4N-%5KVLN>2 'G@$W)5083KT?= MW:8*F"'JOVO/RG 6F8&COI M?ECJE;/&KZSF7DXM $D?XO<;//;%$D7Q';.P-,5?/P,*

@02[(YR=X0P=_)=9'M/HQ%ZC!V<%-<0,8D:T?UVED-5G](5-M9\U?!D(;,HU8;&&@ZD,Q<4P9]T#>6 M;1TT@ ZPET. MA\?!)<\V8R(%NMKC6>[0*-R7*

3P&HSMM33QG1/'#%2%'I##,?D@[H?D5C"27QV_LV<_@VKD3T^WX$\Y%43] MEG&>1BWOL9R-'%%\R9&LL=/>;|F[T77OH'05SX'^MXY@#O-V3$ST!L*

MM02"-.$3"\()SUP^_K([@'>/3E)"P5X(D'IF7HX^I^ I#8K,Z49OQXT_# A M-?"Y.IP;BVX.6?F\S[)%#6OAZ)^@J[/MGTMS_]1^UI3T)5"^G&3FG-|-!;D*

M83"AG1'!=@.FMLGZL"+K,%/_S?&CSL^P>B H?1?\W!V=EH9E@QYT9O-PQE_S M8)AF!N/ZLH+\"D=Z=U?NW>?79"-P22WA2\"'&)6P;P,M-2=X/P&?1!,(P;1 M!?*

*N.1^0>B^?]H(} 6M>P*H?I?%"-&*59U_'P@'Y3E<&(;]FF(LG";PM7S7 MQR:\LAXJ1O<$\0AV-/@$}OPM%EC!1;P2]IS"F'1>'8R!&CFV::.T]%;@FPV- MU>KC.|>"^IZ-*

&@I6K+8X99/..2/XP<)FG&A?MM;!6&>:SF!@KP@[8(:OT;[' MF)A+/W]_P&<&\3YN(/=H^(0&2"@_!,3S3>B=]DS]RK!3B3$5O"D.Z)5BAO<\-M4G@F2G

Z%59(^*+>X'=A"@AJ/1":P11T]QA..P<\U=.IP;4Y.B4UGN$[M#CU!H2XOM9Q@-_:VM:2[A\OI9X2%DD$BEDD#/$Z>]%:@ 9JGG6&"I&Q==_]

*M[N[Q\;'_..I;!N9.72P6=T];=X/*EIZ+5H9C&5D@#@X\?+\QK9OT]*RT&BOYA+KQ1]4 7"VO-H\Z2;F@ MGI6Y]=W?MW8QRO!G;2U;_X^%,ZN/QE+P65PTR'/SQ%"A*

M[^2ENCVE%@!#49%DU4FA&V;T%M> M++#$]73:+M'= B1+-37]/F)HFC,NB2L"1=L_3;?B>DE1_X2'@L'V?I /K<$R6Q,84?`_]U;.F2" M?;+,N]&(&$*

VF8IE;9EC9U@I-&Y@!?CCF7JH:UMIA,?[%E_T47U<#IOYQY5K M82989 4PZ;W&TK3PR|[Y G,1?[GO+17F)V%"SNRY88!IB"-N%'NV#YZ2::*

MROAM'LX.NLC4J'RFO@XZ!F'!HNX^$4%K E-Y$'^H-0D\9<6@6.&9/Q2,6&T.8 M-GOBP01[=XTN@+++?/CN8:8U.R],&F[4E:TS?HIDR;,.MN 3'-R7&]$^QP*F@P=-|*

[16EW=?M+ :4=6>>3]%I MX"I21>]7H|)3/*X,/HB&|"Z)XK>.N.RQU_>_@X<'ZYKU!8_?@3CB%'8!1]",&66&F'L;S:1 O[!'E2]4*%X2]7_IN# MS?]>8R!&CFV::.T]%;@FPV- MU>KC.|>"^IZ-*

<&@6K+8X99/..2/XP<)FG&A?MM;!6&>:SF!@KP@[8(:OT;[' MF)A+/W]_P&<&\3YN(/=H^(0&2"@_!,3S3>B=]DS]RK!3B3$5O"D.Z)5BAO<\-M4G@F2G

Z%59(^*+>X'=A"@AJ/1":P11T]QA..P<\U=.IP;4Y.B4UGN$[M#CU!H2XOM9Q@-_:VM:2[A\OI9X2%DD$BEDD#/$Z>]%:@ 9JGG6&"I&Q==_]

*M[N[Q\;'_..I;!N9.72P6=T];=X/*EIZ+5H9C&5D@#@X\?+\QK9OT]*RT&BOYA+KQ1]4 7"VO-H\Z2;F@ MGI6Y]=W?MW8QRO!G;2U;_X^%,ZN/QE+P65PTR'/SQ%"A*

*MJ

6V5?K/!,)E48J=0\FYQBLBH.O5AU]R+6>8:VU*P!,ZDU!)&KEZN_SM5+ M*)#L(%+E2>\QF*]V:>/HCF?4X6PRL[?9 'S%>$ M,FV%%+$#Y]fMSN7H@'/G?
>:H@*S;NZI,&+K&)?8;,5H*#Q+/KP;/]G]+(WG MB_%"XODU+K';B-%2>)!X?F%XWD@"Z/$XS&@PE'&8-F2!IA*CN?S/VCN1_$Q6
ME%F5D1H92_30>5:6]/6:M7'Q2U?KE6N]=+7*D58KE6N]:+7*D58KE6N]:+7 M*D7XS$F2#939C,=*]@=UIDH*=%&K@ATZ)IY7O*#++!:4KWC2YH+8O2(]57)!<
MD!0KN6ER0>U?D!2K,Y]Q^__2ND%4X93_+MY-M8I4A%)S3>^QTVA4XQSI.]\G MEIPBEIVGPK$,II)$*_VM#V]*Q:((0:#%-:7ES"2+8RDEU7B(D+IR&"V?M!JH.
MQI$;/)<@4:V<5.<97(KY:6)^UBZ;LX&4BU2A%)0*QP/#^PWJZ#PTE ,>MZN@U.9"W@M@=NV16EE%+U34?0SM!:< M347S =7>;#B^QCA[HQ?4;1/L1_?
X3Z3IY5Q6!,ZM:>=80*AMZZ[?W5W]_CXV'\<]2U[*9?@Y_JC:AL"X M[-.OU6G0+)+]R-G/[_Z^M8M1AC]K:]GZ?V BFQ$;[-5GLK,>R-I?4A[*^1CH
M6OO$6XF/)H^U^%M@*L6VMRA;L-,?#][*GTE?5OQ4=&E,DD#= @PGDL:?8U__M*?6KX<\I*<.E"$-H,#YDB 7>VD3[%N*N#,E=XDNW2P(@!\O0C$?M.65E$=[#
M&01BEQ3V(S]".Y/XB\VZ)GB(/BWK/#!MA#I4WXO(.5X)=.A86(=E>]7"G48 MU!]Y&U 4B7O+F";UW5=1Y[-?/%C63@GUX6MH&
MW8GA8*)"ZL^M. ^S,4*)\'!L2=Y0]9])5#R 3>Q WV R:V5O:VO8*]T4T$E M_4!0U7XCKH/Z'98/@(]*$= 'H/0(%7C, "NR&.ER%2OHZ_M^\@:PVK8JUAMUC+
M6CK&?J#&@TZC!(KEPA"*NX4G"/&=9JXEXP6,-ZJ*\4;=8CS34D*\ARP&=]+' M@\!JP(6_T%7P>6*[$-IYQWZC\>]L6GT?J6#H,AP#RJ-EK?WIL
MW/CWZ2,5S2:*MK$)\YV51U@Y63]C((8%BX1)O X8BR#RL_96^Y+AEWX,+": M -(V &>(6O M_WS)V8-/?* CRT Y.]TO $PGLL(%>V XR]6%:1XPI$,_RT9P
MM\"TR@[HL@4VA+U<*,\XF$09#6@S^W'HP?PJ08=[CP45SBDAE,,7RK%-Y1S" M7F!!0!W<97V5N9$8 %-H!
P)^9':&+,_HIF:N=$"@#Z;CV@)I@=$4QXUA'N7V#MXUEHY.!24'S3=H.J5HZ)N MLD@@QBF!V]B VGYO6X"#, OZ?/;VCKA;:PU"N@$QZBO_8SV"3-@]ICX]NFP M?
OW6&\K]@*\V!LNPX=F@'!0,[>QMXC)!@'?7FJLIK@5S!,FR]OZZ]>@&2^_# MHDT'1H)!C><>)4/P4=0 "F 7/4T6S8 'C4&HQ/JN,XV;2==4"2@-7KPG0/ MQA10
*8'V_P?F!ZL^]%[<:_I=+Z;LF*U3SU">;4Y M6W[2VVPMV[U%MNPA6J]Q'U9$IS:?TP.H),@4'W[^_]G[LB:W<63=[_D5C!KJ
M7#M"]8NDUNYI1Y3+=K=GW+9/V3U]YLE!2:@2QY2H(:E:YM??!$!27$ 2!!=1 M$CK:=146 DCDAD3FE]!@WYVM!+>Z_F.&>O)Y%P1?R.BZ,.-;J9_].=K9J;> MQA.C;
[^%Q>%(OJ*KY"-Z:&DP8RX,QZ'.DL^AE&%=E'%RHI+YF-(/U$F*Z(M-0HAGXQ1L!%$5)*)&71WXC64+RYS9[Z_ %K)P*."$]/#RO00&26RD =S:3_0(1[@ M1+6?!
FNPSSG/TR\R8^8!(I] P67=_O@^Q(M_,T)Y7H#FX&?GGS?WY#P?>)F M!_-;FN[6,I[PVUAHHK=[65*4P 9)(?E5;#@7L%9,^*KS0T7>Q+LTRXL M=K>FAURJ
,F7LS5NS@$C/%2$,@<\5?NC*S[[LGAGV\L'-MTX)S%LBWZ9!SCH>_OKGKX:U:K.!+]!9UCS+DF<8RJ0[PXV/ADUSEQ2<<\?6= MKD$8':8/WGDF/JWD/3=B,'F#Z
D^,$PI[*OT035#PN)*;7%0;0&"?YP6XO@1 MBEOEVD%+TU-N3/='&!A*L,*D,)/I[7S/ABJJM?&$@R4(OOX>+"2%#=CA*9)EK$RNQWTS7LQVJB'M1
TI9@9^$HSWH$4?C$3QH2:*^E@VZ-MU V.G.X.9K%(\LV"\HT#?,. ^4O 09D9L*3Z9) MIK6T+?+[G'\ ,#MHMB M).\K?ZY,<%JC-,+DGR-,(AM[I#!A_TEQ(E'G=P-
T)/$_O">^LXD9Q ^@PW8H M2[IW;GPGEC;;;\6"D@/,F6?1T'<8QB JBN8/$N+10+V"S:V#*8!N; '7,1=X MV)W=Q;-@M@P,\/G*[(?
H$@>2"Q_3S[88U@8?.843XJ1*74LSF51(Y.N 4& MMA](1)8+!0FNW82SC2?7 MWFW03ZGO?@G7'DFO_0Z:I]?.]1C^;7[]-I+K2"_MFB9P!%8'[2]S""':.&>I
M;N9:.!W5(H)K50?] ;/75^H%(K_/4XRV 1^9,EMQ5*.RG8Q$HK'5JR#$U^VX2/,T%3I(@$11\GP."%TB=8M#!I[?9 $UPF1-UVI*<. \+
[R\76@&B5;L.Q%]QS1F:517<_A]_?FWP06L,)FK#?8J,'L= M8+%FT/2S)NESQF3XO!8L_:8R(0,+KUR5*=(M6+1:VYIY2[B/;D*#>F;$*"]F M<4H0U)_;UE((D2%]
[KA]^/RD:2//!DX4VZ$^R#A*=XB66NA;+NN#;W^=!.OC(M!:MS$VI4TDM%1!H6VY^G32Y?07^IB$&J^#926-2% MT$.=001!/$G'$,[T_L.AP1RW^^1#]?/
T$3PDAV<4F!=!GHC<%A_]KK2%+AX];C$%E. MWL1<_-@@U\W)=":]"96AX),7RK%-Y1S" M7F!!0!W<97V5N9$8 %-H!
B1T&$R/;3!FW3:.^HS]V1$[WJ/SE-J*E&F@YI2L$N>4I,Y03/A M7:>69+%@QVQ?%6SOPNR7$))?BY9ZN,A'^7!?_G2HU/(LU#P^P+U]5L:?WT^^ M7GWXU\=_?
2Z7U3$D3!0#@LQ)\2B=SA&![=S_H:DA:71.?^0PTZ.IS]QZ-)P MZVH#0ZW_B1Z*+_HB,K(N &;4]," M!%O5H:*C!DQ+4<@Y,VJ,C^& TW/W.P+
<$S^%9:9G^+^WK"@*9"JA%.M^(I.O M6I3CL?C=/=FNK^9C?*^S=KF1/1!N*WEHB\/WQ&+ST!V#H!4S4E4;X<=]DIF$ MG7)B*YV1564M:ZL/*&&Z4KP9 _RH>?
#T>DTGP/X5IP MI^]N/!?_A%+AJ%]0?S2HI MMVYOT!89'OLIP_.,O6I-5L=ZWX:YFQDC+BQS&WFG%B+Z-)H]YZ GNUE(VCRV MZN'4D@6B:.*I$9K&K-
SHD'XH+&!E[J#4<1V<2:&.:_]f >D:*B)^AUZ7VO# M[RC/(<^+XC63;?(J2%JC%%DGZ?#,B8++ET4,K71/S[SZ/X:\L#'Z]J;8+DDA MB@M1@N-(;=?
2HLDER17U\F5=YW) MB*HTA8[VIH](@8FTJ?.JKY[.J22I\.1=*H%A44< M(<_?"@=*]\M0F(G,N1<+%V\]KMH^TX@J$""!;@I;*K"SE4Y:',?3:NUN4^ZB8^/LZ#X'34I
MR$(\93V.H\D-K-EUV4_C1T2@'1AS2:_X_]OO[_[]G'RA+&WB MN G4CI(>Q;]<;.\V]@5W95] TN#+P'R1KY?JU/E:G3 *8@ILUE_^MG*"P5=@ M:/\+(QK61QCF!JWM>
]0,YY)7'A06#WGV-O56ZJ,1ZQU_B1%X4V-4,..@XP?.M$?K>H@LI'[UG07 MEHU;17Y#29S:Z9 ;I;.V-NW\27"1]KX3%@9;]U-2_(@.KT/1#>_ A0)![5AG5-M"&?
SMV9,,2H33HBC,Z5H'1S;G>>>5GEX#4Y;&V_KC1NZP[%H TITB:&9HUC*M=QA\$#R;<'/,_4;@;JX++>[VVEZ;WA)^V0.1982-O-P%5",X+?L%9DF:II+VK M[Y7A0;
["YB\-9^G"X$OS%HY@Q/NCTCY51P$$H\\<-UJ?Q-&B XQ[UTC.P'WRPBZ,=\JO-^_"+M"^),&^!KSZ@!Q$>R$N<9]BO-H/ M^.F8P+_"
[%HJ[QXI0U5H1%R;NJ];=?;ACR$V%\]!]8%VXP9-[H!]LYSL2[% M>QWP<'Q#C+S=5!ZPLG)\:']?>?'[GRNJ=-62'E=_1G?%@>)ZRPE" ^)EOO?V[
M;Q$H;9CK>H_ ^U\8N5FCI\/D67$]@B6%=D1[D]N?;SWOR[4W,%S_ Z7[#BC_M M/H]'C%:13'A %9;YF, '+'T&+]0_J6+MP/Z5@C"K-G8&S0N[M8IXS!Y=OB-D2!
[^+'!>@ OY^Y^_O>P"/TO^.0[^^14\0,PWX-YU@F*ZO>X M\9:XNE(S&V_SCA?MLXH]=M-9*G"L^23*$K5X)E7 MM((WOU5]1-E>![&0(+6.H]B:JEKSV.]6-
E9.HG\4Y0DI<8N '7L%TW" 7.?>H61E0<3_>N RH MHU$/C&U:"#JF:4M5H]73/IO0>LVR%]ZE+]:4R/"\]<.[MZ%\1,!<{7M2TI3A%'ZM>Q?X5>U >.L2+FHR'TDOO(
>UK&_K8;%]E@'-Z(O) M;]2ZSCU6OST]>B_]@XX0S5'8/"X#6EW=2(!]Z,?^:@<\]UJX.?#=,?I:PH[H M_^F[]^:-
\=6_*&E+LVDP'V+C)0VZ&2.C@L4+C3CBC<8W7CVZ60D'?>C'_FH'/<&N7FFJ:U=U7;.5<\)LS=M'T[1TZI9 MG9NWC?&_#+)WD7_:UK"-,=ATU+E-
DQ]295;^&T&I.JUD?.$[CB MR?#(6?+2RGS3[0'[T_B!5VY/BQ/ M!,#[]P?OD)\^W[XW-[!>T[" ^4! 7O/BKS7+_LH^[\-&F<$ 9\ O#Z9 7?D$G
M^?"NSX"3VN6'U5.IP^SYU2$R?;F$N,H4B7X2D.HU+B M5P@ZY"TYM?K J:1/,CS;_53#5L1*YILS8?XHVJB58=I93$NC#"*&803QCFY] MIS3*
<>Q5@5+FOO-2;>=<3^U3 W'VW7_;)6WBS.WBG&W1/ASIG@^X1V=:]AP+_MWTB+[GB.CU^&EV+D5" N6./NF"H> 58*:N/UL^"([6(_^]?M+V--.'>W#Y%=K<-
\K-@>D8X:$IZ;FTL#G"!V15!MB:1](??B6 KH"%@_!#$#?81-;%0? MY;+Y85BK6EY_L"^"\VO+@JB3_B1I?<>9U2YBSGY'TU[. SUB'WYU$%) ^)^%& MY1VL=JFDL<
$ZG0.*W\U2ARW6YBE]YGGPZS14D<@YE(.JP48EB&NZ(];#9R(M@.?'B[^:CT5"SU%$5+^8]?V!/]3=W[MSYFA+W$[N4,/L/=7RP:6MS9.GH]/:
MS[.X>L7#/:=QVNHX7YW]T7),"* QUU_@6);&73TO%N[27*0X';\XI9 >CX.% M#W76[R2'M+2<0P8]]D+0L@TY0EI%V.&57)E@X5:FD!#I2AW,? M"A_7^-
S)>;W+)"I.#RD1=>]D@3E+9N7E6Q.%Z7$XZBR%=T#&;O*A4CY*R$93V_JBR+/]68CEO$IICI:-P[%Y:R.6[MVIKMF.Q$H0?
UWDPOW7JE#3/1%5W^QN6N$\,KP51XB6QQB3XGAF&6]G747(0865B-6;>$%!2<.U,7K__FK.A[\
M'+^[P$N/8DP)8$H%0'Z1I_#"9@I^J00[R<,9#OU6TS0'F2487RYX<'!%@0C MYF>L"_&(7CZQ47GV08PS!:+H$]>DVCD_\$Q64N+CL<72I.U)\XY,A.J-?1,K
MA]&93=-0=D(BR\2_FVJQI-[!_K3 PK(KC8N7[\M=^&,1#N,?.>S6_A[74AX M.0DMI:**^=_LJ0(NI@_&$4#@QJH#(IF=>L:ET>L 14*)%>V421QB+4++(.)?
M(I"YB;.6A[YZ^%*[\[QR]:%K^\10MRD 5#1'A&%^"9 M8^$"H2W/26/5>!68)JS JGXS#Z8L:Y,RF;>#&Y=.;1.3V0PJUY7!O/]<)'R2 MISY\53
9\]9:PK:%&$8(?!33>U*6:&N[H=+#]&9J24FUA3O"!X3>]<-1"K M(@)6EI;[&[C2M*PU#[=& 68UJ./LZ!%)\PN ^ ZP=\)P.'[DNPO[*7]TY]#
M31R"1'O#\#0<3!WD?'7XEFK#K); ^E#T@FW2TZ;IQH#,?C%2GW18GR0,P"&5 MRC%OH+3*)[<)S^JE/\,*-F%L1?>$,;T#&UM!4 M4XX=!-S?=&LJG2D5\;W>
7+NW;RYT.M;CLP:.3FD]C#5\V_TL& MYO'/3U=L-P[<0_]>-VF>@X?(7$Y3A!M4/DLHPXBH8+/M0?YNXC,EQ$-,GG MVS[<1"Y_LP,'4^&FX%-
M6LY3DD)Y*D)Y6E26][1[1"U[S#XN.A_X'"UB*\;: MZ*%:ZZEZC:8BS1JGZ<\V@4#%7U-I3Z?R=%I?N.)D.>&T*S(O7G_8W"/7HUU^_MS(V"_K/#R1DNC<.:R$U&
(FK!^&]@I4&]@Y6_!.:6M(Q38MV"'I'3Y3NR\;C M;V4O(SR15>^E#01]!;TWU<60:@[*$*<[6.VL+N*MEN.]Z6PD[*>.!Z.RM<:% MU.+;CE(W(]%'PLSOHIH_\A:Y(H,5L-
^E^H3UCH.VR/#8[QF>9RQ6:[+9K/=M M6+29,>+",K>1=THAMR>(4>R)2)^B=9^BTHF@(FK>>\-T\"%PA_!5R3(L8]Z#
MQP8F1'".Y)PHY_@%EI(])'NPV&,3%LTEHC2962#G:I*9G]4DBR0+7PBWZ!0L M>&[=(YI@%^&?V$X?+M _1NR9*:0L;H@PGW ?;,&4'*AR2+) N#+.6C+DE*
MB01A)7E5!^+*LL1]_KD+#Z7! M*,=(6 NG9N/>G*I1.6W- M.D2T&%7N3Z,*;W.T[O:JG7@ZS+!]]!K.I4#N& MKUOE2C&>*=,%)DN*(??PS&Q'E==V*NOM!MO.).G-
+RY9#:3B_]3?3]JCO5VX M\\9//$F\H%%/C&>Q+)?MX550D);7R4O5Q_D=5B2#2@9EV,0XMU*.?-(9C/XX M\W6@7\?B,R-]#_GO;2)I2K2C4/<91M;&\'$5P^#&MC?
-8H'CXME;>&669+30 ME,<(%_962^U!U"=(&/N<'!'EG:"]Y5LCZK/X]+Y'MW:M>%##C)<^:"'!4X(_ M"]QB7EK&YFV'TD_??:K\XVO\'*RO!(MB[!K>PWK?
((#%":[=%"1MOJP:<[_"5@N<4J]M&5X9+?C;EI89 &SU;0(W(6 MHHL4W+[5O 7G>8,_?&OMT&:!%!L\:L4.L(48[-4;LV-L5D ;.8H%5>PHL M4#$6"WNWP2W,0&@4/-
\[.I:/![$EIK"O?(M,!QYKVDOLKUM/"L*UF88':S%A MS;%OP7SVU,!/Al.@83KX=V6Y0W@9("8F?Q..G"0A'G RW/DWY0 U3;`L/@4 M:3A/?
>7#;9R&"!:R)@\@]#6"!V(ZWNXK1TV7^;P>?M@&OK58 ;,3"2'#V0) M7/P5!TOG$BU[A'X&X=VYX9ID:_$T]NO#'XP([N?C
5<82YA+R'ND*]Z>U]Q>C$.1A18>9>HU3 2;R03KN+[0 M83!OZT@>:]1PG0M.MR7'8@LUQBB<#]#ZE$K&T74PAW9U*,>\.T"'5 +Y$X!-@Y$.%-2+I
MUX3EW7'*Q"D9: C8B16BUZA++ UT0D!?_.&0B/YFD(EN8#ZN"_*.Y7:!',_M_YK.8K<&D05UZ>[5+I !>"$0:>,!?Q\F!I,'RN!-N*?#$6US>PN;F[<"%_2<
M$ZS2Q!VKX.OX=Z)"VY>5V+XV(#G+*&N^O@9E>T>)&]\%F*)8LX+9^B_"-D+! M+]XV^/FN3$BEB'4#M_?B-=[L%W!XTKG[,^"8[DSO*46U'"W/=Q! *89'''P
M^:47,#^)A]","7H(PZZ(:ZSQH?A)+G8X8E%7!4'X6N[T%&!$Y"Y65@[M;(4=P=3^L\.4\(?P@8_R"&')KPT,@GZ '@H:Q8.L@S?)TY,I],P.?^IRD+
MRKY=B8D;$_@S>L0$0OXD'M?6QOWE8N5YVY]>O7IX>,@_Z'W;N7NESF:S5X\K M;VVE6FK'FFCG6U=VM'C?TII>V2TLX/Y?+K9W&_N"#7$677_0.3G?S%V$3P69
M@^?ZBEV=)3D3R9]LH9]LO8H**S<(^I5X5+U\F0DI5!*(9N"](H[YO>2T)KK M!?&K6]NR[?L)=3AB-623Y6X0TU>_P72W&I:3L2BQQ:,ZAR<;C!\P?Q200?B
M>K,.6+D,TUDZEX%ZJ;CVRK\[>4"AL" ^]XD^9VXK]<8/VF?+07)"** [UO# N'VY6O*P2'1^QW9[B^ELK*O!^4U_F[[L-4O1!3\'V]$1# MR[/9_!,1C+IOB7]V
BCO$4+M)XC1]%5PD=Z=_@HIX9YDG(>$F\E8 [S% /S M"_5][M#C\.A&1RG)!]2I'Q>D*P<>^<:FZ7[,@N7-7-JE;'X$K4*)35]YM,# M=W:
(>XASB6QF+F3J;ORD^SZ=2B8H?!LG_Y+UQK@4D!7Z6^3OWT!&\!5-[,6> M\F&SZ*=2%#+-5\,2YX\39[\/2?M)O16-/<]OSG /ZB4Y*2<96A"[+ MK$B+<0[2^;|
[&]_'[PXFF>0:Q,Z)R_',J&8;/&ZE\W79G.NLS#:\RP_QE,(MS"-P0^W19!!R3I@1$!X4EN_40PM\LM_)23<9M/^ZG@AE\0\ZZN#&>]D]$. ^/I M0XZ>C,4:#
M)V(MXPTG%F^XBM1.1"QMB!?!0UT X3W'Q%6S-.'JA8L"4(P(/D8RX_QER3!B M#C,S2M[#%- M2@]O%-XZA?
=37]7@<8I(0R>5,XT&Y+H8@E6,RUIF.8PXUL%7R!N/CKAED?#4 M3>B(50]!3<6;<8QRD,./40@Z.2DIF76OD"MRW)S@;/KF3QO3\]LXC(F"5XXM7
MP4FKNZQ:*L>R*&(1H/O2WMGA:=8/4;QBI,CY-X>!{&U5(DA MN3+B9PE?7^XV^]A4",\;]PE,W(#&SJFB5B:NF.1A].BXL\%(4K&=%N6SC,S^ M]D:2LB-EI[3L7-
NN=]:R4NTQNIA>HSC]4P3FY'L]HF(S-_1!R1.M*-Q*.S MZFA0')V1DM:E9L"-B@]7WI@,U)Y.O%3XO",(49YCDQF>]!6CX
MHXO2M3MVUXZV3]8(E!0QVLX{(K6@H7GOBELR3F7B_UV:A-R:SDZBU:U1/JM? MVH03LPGIF\!VO5C)RY*7:PM=B71N+W? %RT//:&>8W;NVBY.C$):3ZERNFR
MRI'F4_+RJ?"R4(?UQ\QG';6X^^B>CKO"[S?:A5O\46K6@CQ M+%/IR5P=[F\Q_% MA:>4*3VY!3?>SH.R3W]3"UZ0%*OB!>7#CAXE2[2!1E(==(3SK"FA3_!
MLR2.I?+EYH/R?HMNN[6>:#W'1V]9 (M=25DP*W(D,(%DSXQ:$/AX)6"1 M^DU8>1U[O.;ZV-W/'G9,)R4@!)'$++Y\E5083IXT3NRD$25?!0^_((*:1EJ?S"2F1GGXH.H-
8RU@(FTOQE]D4D:DE,/ MS]DR24-:>+4AM(I5-A\[F4N[D6D]TK1VXESRF[OB1=^@Q=,"%,K=A\URA$M
MD1M>E'Y/U<:+7Y7.HA>E,JU"KE6NM>VUU]N#N()QA2JF4J[76# BI_:T,0NZ MZHCVL]WJ+-&&T)SX'LVV4I*M=;IQ.JG:-DGNXRFT2,INWAUS98/I>[ ) "_AV
MC8V]ZX>WR*#*\'!04*X351N'PYNA&]D*6Y2W.3I;.LU--R6)=91MU2.B&CUT4SGR%7]'-)EF^.Y1OL$2T>Q"U3[=(L3SZ MAM2G)GR.3)@^?^%-
OG**>_26RB_0^M?ZX-#]K[NNGQU8A)2R!M<M>*.]MLO(\@BG",TT%F(4%V1FP7&-ZUXVZS73@C^K23]D#/*])1N;EV]A&R M4>$@C-AZIV:?
_4]O)$G)FD9JO2\ARVO.[-K8N+?1&1((]9-LZZB5!*$EO[T0?QH]#=?A@S2U\C1*I*]J??# M0@W/WL(KLY B/MG^O7,I_8I03A-ITU.T_L>O8E(Z*S8V.8&G'>3]00^CF,F
M-,2>U6<\[1MYVB=XV@U]F@N3N(59NS9\R$&&"Q_.,0;]++#"+>6D9F[N=<0>#MO?MT^77Z^8FCU*CQRR9:]++\1?F\\?<@F-\[DA-42LV
M@09HMTOBN8V*"'DV.]P7$2T'MU%<%P$:8%YV@\; ^)QO60+7,"N!2V7^\,"A M4KDVMC@.U$\]>B##_2:E0*6-2QDY*QXZ\2"S]J-XA(DA80A&XSP!2],T:!"E
M6RHX]AH6__3_W$#:HC+X8'HK>^/-T]?=W 4>,YRG MSP[%!_F=P(-0WQRAMZ:[L&R\M=]@B#<6?"D*OCBY4! XY%ODIX)BWYIP#YWX M+Q!Y*H%W1KK!!W<0\

{F0)"!B%CBDL(/! M3PE!_I__[&SOYX0FI2_F,@#+|\R?K(BX\,Z(^SHFHFYO(^6#,=086_$]4_Q0D'M{\S,C|2>U;/,FLH>W^P0N'.0Y'4+*:F7HJQ^>|TM"U_+7Z,X!H5'O+-B/"*/(4) M1I"U55$%K'$X8;YK5^0V[$VJ KOJ MW,U?:(-A#SR9?PU&KTLV/7]{YA?5C)6,8A8W0{0A. ^\L$617=6+ QV M\5IY8X#_O$]98Y@VAOL(H-OO(5IV,MR? 6U[(*::14O\C89D(@5ZJ] "^W-8 M/!],<^S-76Z&0C12'WR|&=I@:I2]=0I=W^[6BMZ7!\+|^SLJ1,6CELG.#@W8*QV&O!TPG'2 X<@-/D"MCXV]3@!,A(0LAWM|\HYTB52TS #^%^.)W-I\ MLZ\6H&,=E [7%^2ZSX3UZ$#+P1\Y=08L[;A6X=.S(-39Z,"V*).AW,JX@,7: M22<5=BG'3U0_9?5.GFA":#*EF2/7$ 55>7)G+HRX,QCHP%!P*6-Y&,R[$`MA\W"7I,/L,GO8?_+^@\38?]A+-)ILL=!6V1X[/<,SS,6 MJS69)^M]&_C(S!AQ89G;R#OQ>POXX]_1ER43T\5+&D0^!Z^QVQ'EK8FS8^<{ M(C2"@4"YUZWO=0/WJ33+A.0O9N;Z*=DI@3D\/"UGW1= M<(\Q%2UE&TVU;/\YW-J_G)L%\7$]U!+*7YQQ\|C)U/#D/DIZ,46[XCEO;;FF[MN\F:IVV^Q8(.HI8[,S(]83:K/#L#7,%;-!]T%X"=KS1DNQ=,-8 "=*09'KM2 M;T_G4\$!X,?5VF>LH\U2-%?]6/F4O[]JW>Y.({2M&:V%WPL2WKLZ&U0S M8QW/!--ZCV*[&7NJA^\PWXS.?-6Y,8]#0*0^ M+)L[5#:SO!ML4#Y)O7D]653 U(H:U":BU|UZ3YVIY1//?F])%@BAH!?\POYHK MTSF +2FA8^.&, \N#(2OZM@<5Y\6(S! M+"HC>;W'|ACZ:((XAJOV"IA& ^QOHLC?#%1.Q2|=B=94.079GPJNVC=V'+ MF[;]!4B;@4NI]]792""X/=CC_XV)_D%;14KNZ1{Z+I)8^)[%)+GHN6O%HL=NN=91#W,NI62D5Y5!);C>S#R80;3$.272K*,U24 MGU# <>>3X"HVAS8,4[QAS28W.!=$NA0.<(_L3D>AO1O%4/<.$&\|J2C$ +-_(-MHV%_.M!&<83884<18ILC=D$!S>$N%DY9VC,+:-HPZF>N:KD 5NOSGZJ[-XQR M!+D+,OK?45I+Y2*5RSGM@F1X2>K3([74+37M@F1V$3(S,OQ;5C7G'6F6JN;< M=N&LU4T.J5O#EPG_:.,6XVKI9S6[KPWOXA?#(TGUN#&\YQA+!(O}X58"&9!2 MU0ZZ38.|(#?=0!M0T&TEM2E_F\?H4+SL%+G2(X;%G;GE*-_^_A=]"?=%_M?C/ M3.5GD,JB0$V%00VT'LC-8U>(I6KU*YR%[JP"V>] =5MG+1OC22Z77-M-6XK(Z4)TY<7KS&3'1@W->5_L2$-S M^ V0AZEN[4?C!N(3\K(PXF:Z,!#H0\O)HU3'6$FPAD/?GGS_V]SK39V?O^3U MYO7.A>4B1W$0[4CCKLPM]_7F27!22D&58""IH 2:<#_P<=JGD2(APPLM)"V2V4:WYV#P)_<(#@T@+X&RHCLH M\P;#O,&/Y@)M7%0-'"*7N;9&25UJL36J_$Y'<M]4/O>K>V749$^%P!P>RZNC.=TO]RUZ79/U&S MSYGQ(6SW2X+DZ*(@.9JF54GRRM,]^V9G<:P<^I?@OO) M6L[ZH_]-V> <'**IL+T=3; (@Z;HG'/*85^&N_\0!BF3.0;TY:!]LS[!X&AA) M3I)*2V9ZML%)DHDD$S62BL.5'"0I*!-!#!*WT!R4CV<% \EK-'2W*U)1$%9 M![P'1B QF_!S=+.R/Q9G3/]+2>]T$1,B]E"XY*2(V!R\U%08BJ$WT]<28(KF M2NKMN4\2@$KF=DJ/5=]JZ,%*CU5*@?18NUDQ6U.:]DS<.1VE>T>?B4C+H%[W M,HK) 2&Z9170PZK@OYU]HBYY[NNW:$&]"11=[2F@L_1R=T>U;\NY"Y92+G.Z M?OI+TA^,]!*DM5/;<>[IFH?? &D*I"DX3])+4]"I[9";2-+_G.DO25],.,NT M D>V%(#'=@"G/>5\]'I+TDOSP)R.Z0ER*9_P9W/B:/(A'\2;6SDC90)UOIB M>+ 2Q=@L%<\QE@C6.?=.$A%<8,L2D8FK.,$A^O:PB646ZH"#9$_D]DW05_O_^+3!@ M379-FN&BA>RN2=.^FNR:1!LE2#L'N1GO+XQWN[fV@]&N(O)V8AST/.)'%5AL\O3(F_[0?ZZ :?;6>X'-M)P^"^LZB-J$0 M%Z>RZUP.*$=5AP-!;UKMZ5,]&ZU2RH2 8]0DZYT+@(],3)0NJW19I4B1W&0 M12RKNS*WW#E3LN+@U"H^).EE[5,GMH,K\3307C=1Y=5(@#NI4F^;DH,[Z@VHI MJ!+7Y^2$6MHS:<_.E/32GI6/$90P: (+Y8:.9:.\'M:<.Q//#I&H]-?F6])>F M[7A)+\U:FQD:]=BU=1!C2:-R7&27AJ4 M0YV3LJ]5IYKHM;JNC>49J2O,)'))26=UPK?>V3>G W|.DC>G'\T%VKCH'/$E M0*^0+ELBC"-5DLPA+<4ODE4DJY')WVR*<@^>3N4@MQV>C%7-D/@4328P#":.MS?) M-99&0QGFAU=S=&1N1?8?)VM$9->LG1!1%R?.OHG9W8+C_L8,=/E?]#_ MJM_MV?^'L++_2_C)T.4 &TC^">(@L?A\MU4X M34D4QFHXF1*[4X>K*-,]S\WB2E=1,JYD7.DN=H>9&_86 M8=504R"EJ&-50^5<7TGZ M Y&>1?M7:8N? 3"ZKB0FD%CS$+O@G%7_N_F&&G%46.\>!Z1,7(_P<77;VQUH. M,P2N".6<^'O^X6MI[^_DD'"*FUM D^@9[V@8Z&15U"5,=NTPV<D$2B=0.H$M)G-) M!_#065N-I6E-=>'+N!8_9]!XJK=C70V[ZDQUTOF$4G72[I>TO62KM?IB'NG MY+U&]RN]XBZD$]3M?66G/3%_4 MJA0&0WKT#R&TCO]+4EM8MVEZ?T+$*JH_[US/?/VJ?6-*7:?NN0&A52*$72H M]LD&'=(=:MO5B1[=%?2XQ4FXBGT+GPCLC6(0@Z,\&"$^E=5KH]SKV+[E*MAG M>>X*AE(;#L;ZX+LZU5+X:1%^^GR;]%HR<:#C)7RCT&49%[@L@SXC4QM4F 4_M^-SJFXR:CW=ZR#XGP_"5>)LI+FV<|2KPNK%9*GR<7@^7ZU-A+M?2 5!N8?;E M8.W_&Q,.*18G*A;MV8J K3:*MT)Q_UPRUQDP%Y,Y\E@NP5RQ8!A]9#R.EC/, MQ6MOY2!P44&3N^:CLH:-7+D* OHO%3+*Z[_O8'1]T%.P+O<9LZ< 9VP1*-)[M9#WU6>S*P_*E?.=B2Z/79FG&VKA&?ZJ\:$F1N&RKSKU)&M9MS83]R/KL+!T MW?0U[@]B1'SSL^HSU9P2_4;&.AK>PT_/BD(V ?\|\LWLKP%(/? MMP.KK\Q1OJ?S(2N2D)=@%9G".SJ#&[0V,#*^O\;_[]H"L>_0[.6J9A0;B?F[ZHI,Z7*VN$V_?MP<[86HFW ML&N$6^$+F?<*HH9>S3'T^)LD@N$$/@=V? ^BQ,A9*PZ2 ST:NV?#[H_#]*5Q M^]5)^]5IE,0POH,,3(,>?3XS;A?)TEN:]^E_BM-A$FE#TTKI9N+I& (9IES! MHP2!ZD^9X?/5V_U2?B\P]K7>8F'O-I[[Q7C"]53P][- #RX^F,3C+ST%OQPRW9!-5_3Y,UO,,P;RU[\V)L3%004@4QN82P/"GD$U"N9,E8F MB:E(%/+CFLG'-I]U??PYUNW>[\2]C[EM+6&'/]E>$ Q7U3 S8ZJIVL^^F"F^ MR7.)YB=BIO@BI43D+9];5V\":K'6*P:*%,[(T# ME\\/PH[3K6U9]&.>4;1%7P'_ML9!8I$F;6 9?VZ6*'ESD*?,]-&]1NVM6FK M.=7TM-4D* |Q/>Z>_Y]0=THSU[FQ%#)L#X*SQ M&FVMG-&N\9LA9XYS"N7?!<=%^64JK%],S9Y"$IQ*T'I3LV ME6'$BYT,>2L>&]P,L02SB]? *#8*7L:=.Y0A^<^Z>*M:19A'"*&Y:B/3K5A9C6 MW17O??6\H,3%ZV>1? L>7UZ4(H,R"DH-6^?2D+72/XQ^@_//T3[D;*LFG!5 M$ZT)'_0FI_1=>TL;>SRLGI3X$R? +^>D\QHJ?55IL#'TJJ+:RV+DP6>2XBH,(?!U^_M<0O?L3&#T.LG!WG DYBGS0T^_YCW\.C:SA=MTJE/K1B7>N[J&L3#P[6LZ!-> MHXA/^Z3M>PGA&XH6T>N6/)U[LBM<|Z:DC-EYW6WMS>MPF=4"-X@Y61H, M::P3RQ)RI80%?]("ORL-V2!U)=%9*1GC'1IZ**7HQ'A[)=U^9Y2!MU[Y/ MIC"K*([I"=I&LE,N'/KE-RE?:PA1EMS$L,);7ABFYO-).G* M.;B!VP_)9T?(9Z=Q>TH,5SH3N> 2=20*K#WJZ6K-L1*|+#P1]NZLW6SGRE?N MHO1^CG'#.VF5) L=#POQA.3/C*N$@O]"/LQP/!--I^BI>OJJ3QJ[85-V]5]K M[-OI*2]CIU[. P]-->[\D6^V9U@E UV"D>>B;D.1+CAE&KI4:)^4TRVKL<(> M'MHZ=_,7VF#84S1"G^-1B^+R,RR/SEM7?*Z8M74"_,%C;4R&A_+GIV\,+_M4|IV^D(LS7.":.YZ#&9ELRSMQDQS\IGU44^;3]NG++6ITI/*N=H;4PKNL>OK M(+NE*$>]*W1X:=2L*!Y.$OE45< M:IW)]EP?@>H[[>X>9?&_ZN_]P; -M^2_=H#]NP=^243,M^S%Z%SCT803G6LV MC=4V-HC.M? _35S/,NL3J;J(\IE)U3.UH//A,,>@I^/^7G0?E]0%ABP-GZZSA-MMN2ZI3BVB)%5A)1UTH!99?&RFC*<-7Z3$R_K"(Q&/7A9&?24>%E5\+*NX8,X MV!4]V)X3D,J)0\=PPV6='5]60,.+=*$F9P[X]T_VQ@?\^&(XWM/OQ$(G3\&! M*/YI>]MK'R@D1 \IN)34A./>O<%@7RJR6BUAFMN&Y$+8;V$M*"0NL5 M>P+/G5WSJFPX$"YU&4TE?%;YO$O^8]#KH"G*"BWO4/PNI(0/7IFU+F1L9$[^ M8'R3S0T8:Q/S\";0PI5)ZKFZY"_^>M44[6?*6N&NF6O,"MR((/=8L]-O1]: M1()]LZ22O3?.]PT# M/"FF2T#I+"+_X!6!^E3L0 WX!17&G8,03AEPE:T#_HX# V!W2+%O;\T%&"W,MC3 O96G# ']H'-S4%^M%((0""H3PC0N\BQSXG*>L## <8!+_N?QI'H@T'_*|[M9-E;//!X,9_\;+6#?O G+$+]T<-0H"7MKV=Z8|4@?I>X2@<%8PR"N8MXJ!F$0 M KH!LFD$(@B_P;9L\2,UE=CT\+9>FH^7*W,)B_P)6^FA-KMX? 8,G?&G?7OX!MWW]QX|8HV6K?WXDN0W9^T<:F-06T5ZT(?9 MWFU@YY?8%F#%LH5-QPVO+HA#IV"U M1%T6$Q_YP7M38!K@"+HPD&/P)[FFAE6*>Q!5?SD?S.F ^8!H-"P<*KP.AX%Q/(G!N88MB&;*C+A>V) M<6^8%HGK%.U E!LLUPI,GH*=2*#ZUC"7J4W=!"]ASV"#LYQ=NGSZ*B.*&SXH M\)H##Y]ZWK!R$ 6$^<|12"KZ%*/ 9=|@SUVH!>0V[4QD9^4!0),)_8-UO4 MG5(M"QZ$G(5)]A->M7U7)>H-[_#FX6=C8O6P>('Z@;D3$O4BTZ,#'ON*:,R? M441F(C+25SXG!,COA45G'LH.V4G0& 9QCHCDPF3@,_8]D,6+$:\?,U3)B&(S M1\Y#6M]:3\Y",2B@_#6(>P:RLZ;IG,C.DT$4C:5)9&=6X(:^'<3.">)S;_C. M)U98T-S- 2'!HGP%M%>]*F4?MDFF&DC>X;\WJYX32MV:2-QKG#85U;Z\(9LT&-MI|K<2_LHRG3MC,C"~>TF<\;R\/-XL^O?;W4,5*W\?,&2]P/KN^B^HW56:FH MCQ\'_EYEW;/E0,0_NXIL'G7#7]2;G9LO/F2;3XP]XQXYGKDPK$#8]!CPB"-# M8X<",BJ//%F1\Y.(^T7H:0WR1Z6V[B7:*@9P_*/GA;HQ8Y?/UL;BV.05C;HU MT?!R#YL;U]8(YE7GS#':C7;-EN9N3;Q4@|>W376QYV65CQ#E]38?+|]PT7$/F;D9ZG:6!CLMC?5 MIH4PW4=KC',FDF>GI3'F,L8U^X&<^H]3QGJ2YH$WGWFJ9"]0W>-U:F@ZM)Z MJLY27?4P3_UZ2C2D<>;A(!'Z2O)))\DGR2?)))\DGR2?)))\AT-^0X%8"MO+,K= M6%RG:XWR\NMKA55K)FYRWK, (015D(+2;@5!.5!55&XO"0.6V_8]*KY^D+Z6X MC >0.9V\3F!+USK!Z1(N?"1MM,-.!36XD)Z?$U!]RI80,?]=;SY]K[^?)>F,Q,J M1]*;S&,^O15)-Z/L!9>YK.5?(4.N0X"BY,> BB)AQAS$8UP:%HXM"_MU1DN RZZ%D>3A9{&Z6?^Z<_]BD[!)I@Y>?,;S%O=PZJ-AFF8Z.7.>4*&@]N9 M]Z=)K1"#R\8?HW!\3)K!_BQ UWDA!&(-3G1B<6_] (6Y@A"_(6<3CH5] QO;E M#&,MJMSWNOU2*VI#U4_?"3SOUP^F)ZC"I"*5BK1U1?UMJU: ,KKPG!7^(D/ M2A0!%;?!K0,"OY/1+"N/2WCN0B?9 MO#:)V<[R'V)"'4EHL>P.,V(TSY6S2*FTR'J/) 0UK.=B, M[:U"\.*QFIV6L\.8N3C;,F4_)93(?%$EIVO45(AT01T M*=\HW<=5JX>$:6;E+9[GP54K6XA?,ZY:Q- 'EU"^';FVS;S\0'H3@'/?C9QW M+<.G@IZ"7%2MP ^#4(;/.BP=S)_?H:%:ZB!*%RZO&M5:F?=9C*$+ZT/*43P* MO=(.[2OG:&:>>.,ARB]^EY:LEGTCOI9]K!(45IMI4? D4VJWLS:I?QS^5CN/-M0B)$Z8+^:/7R.I6G7;GE/BI-5?$Z'.LI'>NI[P47XH6:ZK4Q3B]U&5X& 2Z] M/_'-K*:I6CH&5E6B+=R"BL0N$UC0GWT/|\/FG>_;O;<= MSC3Z1}?\:6-:?M).F'>IZ1>O7O_/7Z>:JF7FH1Q.K\6>7B[^EZ[,!%(@^Q"! MP'JO"+I$3;%P6XW"%<;D1+%--'U2'),[A+O'58NRS|*LLRY%YCK+7.?B7.?W M.TQW/IZQ)6/F(OZ@2Y(9S2Y.8;9OE>SZ$N4!=3/1.4@4;,+HBY7=4> W"28A M?T2@<%&&;OT="Q+\EY& K&I3W@QD7Q0:3D&.U#1'LXZ5!.(L7Y3"WWV=37XG MT_KE D^K($5YG!?0/'J(:]F&9B;=$EX]#5JH/P78Z0)-G@Z[L]F8_5YA@]2 M9]9E-_/73HDK\C9:[0^& QTV^DP0U-,$8"46Y!E M6@JO#,16\$? 5MM'SIL[2VWPP))&'#OIJRHNZ5-7^L HZ6]-->TG%+_%. T\T MZH!6@2*)\8#.Y %\"G>3E#6@MZ1)OJ-:2U&O#\Y#%2*F(UD-D_59>O0-=+08 M0>M#S6J6HD*5];EGI" W+%0FGV_?FSC4]"^,#9)H**)(EA-6(BCW5%4547L M0'I*\$(U1KT!TY#R4*O;NCVTC",NR\A!G3UO96$UI[_*8PQJ>5KHK);8.*G^ MWN{0)WC2MP=DW2-;O)NA_"];&\}`XS+/Z;Z2K)BC\,9E7/&\HT!.*DE:=.:19 MH7KEY[B@\K/:Y O/O(*KW#*%APQ2O1+E$:=6]:DL&+OY-N#G=72>"K;C5T? ML#+:6V.U A*FE]-VA%201CKX/^&Q.H<9&?E()0A/<.1J'>?:.^%JXHVSL'}3 M:>6DE:.2^M[>99W#-7%!57..X2=FYNH[?GR#'Y!QZR$G'VVI V:OC8O+=NSJ M0:Y@NZD.KC#K$9U@WF<9;WU0 =MX6(_S*RCZ@UKOB[H0V3H$2HG?C>>6F\)QU%CU8|5-8QF#44 M,*$[CQ2)@EE"KM?5N'KS'D2=@?L6 !VIX#@4W!^;- -<<+=\|+N"C5P1H+^LL M-IR*-R-568 _K5P.U.ES[!@ MG8T6R9,]G.]$>I.YYF.8!U{(F]UGKRX -721O=8DAUM!N!%3/)FJJ#-HOQ6W MJ_N<)1576V<0O9K9'LYJ/'] (LRVY/X_[8XS!FX]5=9[E$XEY)ZVY-;@!A>P4|:KS.(M+IZ4'O9Q>-C,SME1!)ZJ"ZCGS1{ph=@+3)?}(-LGCGWZR+"H"%,IU}2AZRY>%<>@_'3N> MWO=;[-O- W__QIWKSOU[_Q@P_INS;H+A^>'MYS:)/Q@#',R??K6<2Q >L>] ML P7?.+MW<:^2&>3)8LT_.ZL@?<0?-FX0Y&OUY/0&OQ@-$8%7.Z=.]V+E1/. M<64[YG|M? %#_"/>BOUT73FG/\6R0G%O!$AVAL'-M&3\B9+]#EW/\TN4<@7 #_0SKP?AB\1{K'R<%E>O_4P._"X)Q?O7LQ8^5;0'U MW"?_V9G>TR?;0V]- =V'9N!5Q&H)S,AFG$3C3N1).$A1>\5>ZTH\G#Y*F]*5X>G2(X;%*G|>V6I^6^"25XJ?Q@5-&W/ MNRH]I.8&OF?Y)LTOXML*MI3!._@Z^@A9PMX;9PW==PV2? %'L#&^PJUU@%*U?D8_3G-Z#0UG" @?6 M.E*6.X<,'-P\O8Y<$D6/.3EXSW078NBJ/=PW"VT]98L:ARHC(/A]M{QCX6M6#G,<5KFOAD> ,MC,41^L M3BSF=$E15H9| (EN_SOH0YV[^ A@9_ \RYH'[S]5G_?%D-,HJ84H:YH3#V}I- M42A+D5.'\M8]YR;XLE'Z'U>IZX-\TC0K AR9;=WD'74(9$7&XO+YI<+K>L< M%)IZT-9? B;.6/'06*Y)2D4WE]JL[!|UAA1K*!RV#DZQT'BMJ5SBT_FPR&W;> MV{C!({K.2<|^"W\FY^^]:G+I)G/!JLR2OO8F\|CM:SY'S_3.^"_K?87A> MI"]G'B>!KOATB,D:G"S? &D\$Q/4&H3C60269.DU4C"WA6Y?DC(^??KDTGBZ? MX!N7:'/Q^CV:.SO#>5*FP5$_?L-07C@F+'"CIC,3<*G.>2<7X.A87XK,(<3MM*_O?&VQ^-R- WY\ZJ^1<'PHW8.VI&C^.7O=U6)MCLIS4I)=_A&[IYXMZ8LQR2X=C M5< KU09'[Y>:T'Y'MON;_09AARSS%*(/)R+[G7<,*3@^BI\14Z?"Q',;(?OP M?]4F3G_Z<,A/]\- ('E%"4O)5))XI60GXE56>DZ!;\?>X)]//,4[7,.19S*=_MUG+D.>ANGRKOB'M^Y,5;#&<|/PR$B0<|OH+,\OQ-@'RY#W5W+4.B X6R54H:A MJN|U]MM3QE_2IB7MMJX6NDH_8KRO57!I N>UP*49JL,:7)I(2F(B1S*6%YF9 M,!GB=# RGZL%V&]-!_C!W\VL)U_%HM=2>\|[0:8 SW3;LIM5SN/5+*A M)=;$^P]'O03ZR4B*PV0D"'\QZ3,\A0" @W+23]&SAE99*:=+LVP91U:,N>7 M8R9Q5\='@_J ZSI0IB3;!6>(U:2PJE&*'"<.,O3B\K+X5\[$GG;P2+Z@8$H MOK.YWG\SA?F2^/3R+2G4 :?8M)9,3 BA;G9J;K M3.&B,&W#[Z&RB>JAF+ZA14/T.-,9ZO_3L#([TQ'HAI{[=>T 8':ZI>$(SF9 MS 0)+% F0Z$KZMTU'RLI=\G3D]? S#7@)"*7-J,,_35PE++0"/BM/@9*|.-CK&_R M"'''W,/@N%[1Q=ERX#K=8'>I\"4R7+EI@O8RWV,672]*S_SZ|U:T?\+6-3DU_M8S,,2EXP2YM(&,!)O$T)W9"*[2TDH MRP-R91K/^K-[,H:_|HJ:P/1J;4'$EP5=UBOP3W0W:&W QFSNJE\=#S31S@G# M[Y@C!MD9A3%(>O 5_+WAFD1O#<<-XEBB1 ENU@^R<(@(^+E:17ZP.A6]AM3[MHQ0WQ_]5$3(4K4U7X?^&UC883YICB+J&(VCO/!<6-T0R+Q'6%K*07OYP27 M#/_/S?9X:I&1/9]Z/LUZH 3<+8)EW",+?GLPO95BP$Q=3YD;KNER9@$+<"&) MBUWYURJX', SU_8CQ08YQAR@'1;*DF^*B@"A7=%Q,FWW.=VXF^&P8.^9K!;29 M]=4T%U%YI2S4Q+Z+KTX=Q!/=BY8W 2626EY]U-)L2?C(]2,OH]U8BLJY@@K*

ME2?$9]"B#@%/3F;HL4:R,CT;JG")T+JGS!%0$#NZO<#NN'!" =[UJP6BF?CZ-MWANA&9RY_(VM-?P_F'P)/L?F[2\.ND4.S((,;S< 1(?
^[%P;EE7R;D4;ETF9TGJZIO4FVCC#<=P? M$>NW,OQ4J6YKP#"KU8U-;I9/>SR0YX$,)T-1!V3&.(3&8B+E^V9_(\[I)W!. M;WSGU(45W,J8_TG&_-_O&
[R0*JN@Q"Z(%QKS*N$>P0\[:W\(F6?:(W<%T3'P^_M+\,CR@_&P_NTGMM63[GX]=.[+\5=7%SUXD@LG*;2!'?#PT3RO5!16A\X7UFZ) MR%'V<6UM<&\US]O^],K5P\!-
#_T'OV\[=*W4VF[UZ7'EKZZ+B>3=V>,;-S'C& M3';A&ZC__/2;/IK]=IW9A>_XN^SE>ZU)G_6E"NHSTIV)2L.!X5WEQR%0<5>H^:-F,E9M&IN&0>.>[D!]?=L0X2Y$V?
%P(FR;D_M3B2>%59<;N.>.DF?+8)X?<$%E\+<"S7%';GL,=V6!LT,=T(##@!"5TP2@E M0+=OQN.?,$/L-L'4,"QNV]PW@-F_[1QB7.;,2]9A&;).QKW1<%B.K#NL"_!J
M<>MWA/"#MB'G;AT3GY)Q\H-'POS,=*T,L6?3WF206?!S:.M3A9ZU6I^A M-BGE08VF/;4L6;MN?<[@COZT;-&5EY,PV%/V537%UR%E4@+)>Y]O_S0'@)))PEH
M8#CM:0SW6X#")(5SDW)@BB^9:Z=D<$SY@F<0OAF23RT'|QT/REQ##_N3=+9K M)&DU=2%=DD)OJU'HBV,O$%JZ[T$U^)0(Z,-FW$^/-=\[Z5%.@EQ.^?>-7E;V
M29UH/"S,Z.VK B/XMO :,$FH%_8'=LS_3'7!Q!:,\XR_#2WK!G6@EDH[X5(. M3$404@NS/B=OER53@!L%T74Y/3]D_XJ M=2>[Y+L>>RE60]7#>^3R78E
MCH]'>&V!L4
7_:IW@+Z_6V\M^PDAMJE4D0+^CZ0J>&H\N>'#;BW*W,+ M+A%.<#+NHCFI((614X\6PQ#;;]3+H@/0@%&GZV_6C?T4; M$RGO8&9W3\H'_,&\,_3+1$&>W(T;F!,
<[KQ8QB-U43\A+P '2-U5Y-=1QP]E M&G=#-% >6?L33QU6HLFA)M :Y\S2+,_04O!D*O&C =L#'0&$_X$N)D,Y/"9N8 MZY,>H4%LH0/&);FC4]*75-(,'O!
($)T0]!23*>:,W['7Y)'KB=QLY@!X&=N1 M/AK3'L.FU">`1GF1RNH_R6+-2/ERI6B>6<:T;16V)/#"6M$BBOA\VV:.8 M]TCY L9,>86?
3H(JF217&;X")5CA=FQK;:9"""^S" ,@S;?8VU! M+=[&8)@_S"7";H" _#>3 AA[A9$E^ZRG(=YK@QV7L1@(LN[NS/'+(2QBN_:ZZ M$12Q-
!FOYLR'.QIT3/)A&Q/SKQUX0*0?6!NM,_1Q:=="#1:Y-+&LY'UD& M508!XK&)7Z4L'#@<_A&44)_,"]OLY=K>__OM_A4BOL M61KQ
KND^ZAIHA#!K*+WF.CZQ0$;>QXK#2C)$1=Q9[0["C41[*83B]]N}Y7/-MT4Q -0[#U\NQ7&$++(;!+RYRTX,1M6K5UXKOJ>#:!4!9B>>7>'8XAW"-
!SM/_(%YH(=H67%,1(K\+KZ"2<7.Y)41,4==9) M/@FD&.\6OOBH[WY#\+MP_=@UM9MDMR7H(=7+B98%^MFEC+QH:9
M$H*3[P.K)4]96CS28S@_D(<70O6*>_$RS,^AR:3^OF-U3;./+^=E6/JX,GN MO]I7WL'B63ZI@G6C9_D&+NQ6],W*/ + K79HP3T'OJ@-Z4H7W#/G$ N6B)0
ML33;,Z.D5DH]XN"S)/W64' +6'C1<"Q;<<&7M*@[O+:7R")'"9C?&LM':'4N M<3]8Y=8P'>4>7S 'DZ"6J*]<@2BL_61#3-G@">!S>]9%8)5\V"0Z"!A+7 Q)
M*66Z/RYO,9YP&-=TX*N]?0OC)Q-92SC5/&(XK9#F]S:>MX7CK'2SL. ^*234W M:60URZM?F3B"C5O9IYY$CM1[\Y_&>$KH13+I?> "MT6GF$:.(3H"\\R,TN_
MP))K65#HJ29ZC01DRZ%X9"BJ")-CY10YR+%XO@!!J:.I?3=2Z* N9?(^D]D MZ_&/$>&2'&8QW$(,2:3LU5*% !;N,"'^P;14W4$61\4T?C0P$&,TID8U,PJ:
MJ/),/RO8!9#J2/2NR'+@)N)+Y"X<E,%W9Z MBO L6P5TS#K7FL*J(0PQ:'6\1%B!$ZZ'*@I? MM!?1&"+&:L7VRS+(C8$=2ZC!ZGOG4\^_$_:?04.E1,&XR\(UB>ACP-
/FA,O M,I@\[LG A9[&?C3>TQ/@JK4LL2R&.20#?_^/N[7X=_3OXQ.E^@FU13W/,"NC&4E8.5 MPU^_?;Z&7U\9;.R;R#\1YR/%9C_[(@C0/>*N"# PBW=*:+; -OX3
[?!SGWP M#Z7O\.G^Z:WIX@#&SD'?X EO+%!L^P("W(\0'#QCBS64LT,7;&_KD2%DS(7HE]A.,*,I+3'2GG RR#4<5_X+_HURO;)QB(ZFK/64CQ^OE1>8);3! MS]?
7]A/ZL\O:7;4S;LOY&Z7);EJL@_P8$#8X-'+F MXM@.CHCO-E)K#$4WW]DF1@Y4%K!V>XTCN7[8Z*M'X[4D'_-?MO.C'MA:YGC-MMH?3LO1K4(ZDR,%O^U?7
%N>3FZ(!Y"X*U@)A9G'JH%)1O-R$L%X):(XNB1(""0R_3(F/AA6_L!WR;9_HV|'V;U MS'N2+$ZB@3 A\]TU[@_@ I.8M^8")@:S,N'Y"X^,C6-6[AK4',R!.%AXX0:9
M6#C8OE0>CVC,7=N9*Z#7W,1("WMG+6%]'@J6#TYI9&3\;?QA$GHC;B]P+\@H M[7\17SLY!F$;P]*"Z1/! ?25>=I73=($.QB"7OCCV CFG9WEQ7<.)S;8%L9>
MA14$. ^>G1_YZ\PX.YW"-GXUYWCYPF0K+/&#@^<[W MQD'U1$1V P8+.=18+.A<_%-_;\U\=H!_\.B$MA'6.'#%+?/9214F%C=H665]`M@@TEVQ@YA^%=C
,DXVW'$DIO'WPI3\!+T%,ZSIW%.:'N3P5;!'M/_O3!G5+W MR8_EX0X.? '',%LE#X-?%RNTW%GH\RULQ@Y M#A6OXX(>@%)G'G/SLQ+[H (G$7R$&@TA.5^'$E M('2?:
(/X>WY],-&/R?=\=IU;<&:)Y6C@S<\,^?^H?:,Z;R);_\6+KAF6(4%\)N 8<2[.W-VM#$QSG&X)./4K) MWFWFSK)8H#6^:,8)'ZF$.69GZ/#A^&)K^9C 9_LHQ;UZQ,:!V&JL
&O"AO4 MKL+RGM@>*^C=56&!NU=9:Q!*-TS1(H&*W+NR0G4U\0N.P3&7AM]@KBL2M4LM MJG$N;$IL3HD,G,U[_)?
@R'H7;69P/D0,-9K678W6@E,6LLT^TH]DBQM#NIS M$?,>5>*6^1@O<_HX<)?4[P\^2>E(;B&L#5H^8^D^$OW<(E8&N MA$\5"VTHI^QAO2
72?;.-39+]^5QNU?R4:?UJ%84\%YB?E+^NE@@='L;-.YX M9+[#M&_DAM/GZ3GQZ="F][65]3=.53_O+[!?X#O1EKKHHH#%_P")P))YG>!C# M'
!C;>_F%A)R,.JYG8V;/U8RW\D9P&>|-F_O]N8ERO,I\$0\(;?]YX=W59DG? M^AP Q=$$C<\.3M'(P@16XZC]F6BC#.P.9J^W04G7*)EEYIARW)6Y#@?2%#-
)V>Q1I*5J1E]NS%VQ49,Y'(]$ MK>%$SP22JGA2XPLU1ZQ45OB[Q:&ZXP1F3;T%AZ\H3/ZLX)*L>^1C;+-V?>C" MFP<>)[M5C3*+MPPMXU^/,CN'2C5R/FKDV?
&0Y=#JX0670Y$&T&G81B)*0!2 M@05? $W ZK]=-#6:CEHYP[P\"\!9=O!|F2\ MOS"VR;<'%S D-3'(@\]VJ.LU3:"TG>W*V%"(208#9U3L$OAXO'N!;$6 *G%#
MEOTXY#LPE?D/$[Z&O^MZCOT#!0) %^EK]RYN>]TX@A91^ZP7BHL5GL1J59[MJ>#2J0"EU"^;ZI':MA+WQ!42XN7%CKS8.9:+G4XR?1>C1:U>W-1T1W/X.V6A
M5YFZN<&5LAD^9:#U8R6RW^Q\B2S]W"?D99XGQU7=20QVS7FNK'!34^_ULBC] MLMD)0:F#NF!LY5U,I^YB3H=QFS>>)WBKTJ2I4K6A8.CCM;J*7:=T,\OR,*Y5
MU_RHUJXI:@I='IYBI6XS&I;DH>BIJ(BS*87W\-S9_+W#L5"B[+5"DY(X]GZ; M,.&X36CNW"=O"\[UMH"}EIL$8^XP_%Q%T.^69_MUMX9)$4QQVBP%WRL8%H&)
M=%<(>;B[V6[CI=#T'"8B-51>9[9;#=LN;&H6XMLQ%;B)W#0\G3H833GQZ=21 M&O'%:\&DBX'=1="'JW\(3EU:,]4)5Y>^[^,5%DLQ0-1Y-OML,J9T\G+'K%=
M"&&?SCT_V'__"?7,&=7? ,TZ4[L+=&U'AG#U:?OD/,AP6+<>;,?49+E3*< MVV(!O-O-7:WA3[(7;!&"=+92=#70 Y%>*?Z@G*[-21"$A<:1IL/926]H1*9*
M<:3FO\SDUE:@23Y\Y1LHLHVW4O8M210\C*>H?KS:[P9 MK%_%?"TV7HM-U^(#O/V1F4BU\@G,3 V,"0).!Y."T?C!Q3@N'"^*U"%D?.'$
MMWGC"#LZ>C2MQ!55M$!MK"}[;VL+-F;/ M!Z?G!+19C*66QXMCE#PGM:=&:))EU3^*X9<-7^L& Q$(8#XO,R M6V3NB1)$T+KRH/]VX!5[%0&OUX;!
(HH3_V3+G)670:%2TJGTPCG6?MISH M +9ZQ.RBA=#+L=/:E/"J.!YHW6IAEM?+J74?$P.HU9D\'!RU,_G>'B12@/E<$9N'_&|*FD0*K:,BS9
MV7KF0Y(A0L.RSW;*UQ45WV@0UH4&>S[^-56'?;PDV_K]^?Z\P MA*X "8Y1])S4GEJE,\S=Y9S[L^5^L8&;VL_OB$F6^ER''_?"]M5!T=+O86?:
M+YBYW}))0P17NX%#UA0;QDLN>D6S@8"57%1>A]=$=*TM]7=P_'TD/A>*@)9) M'#\>ETCI)=#+T%IX7F<^GCB/,U,"GF8K0AIN]Y.2Y:,NC/WQQVU/ZTY'1K
M+D'4:H1'ZB#BV-D=!\JI3Y.-M,!K) \NRB5338V7S(7DPJX9'^:,#K\9=EC M=<:+]#2\ MOS"VR;<'%S D-3'(@\]VJ.LU3:"TG>W*V%"(208#9U3L$OAXO'N!;$6 *G%#
MCI"/XPT@(=W9#[_"_\4K)83!KB,?<[\NW;_3?_WWQ8?__>.?'X<]R9\9M7CI M\!?^1&\$4^\GOM38'46W0I[&*1]-;,;CY@;@(?"X!],ZDUG6B2/ Q9.
[1[L.XF1^QLYBY3D2DF2P)Z%=:Q.Y%+DUZBCAE\[>\;,-@.6= M3;1O < ^D/,9?G0^(T"N_"'->-*>96@7!#O&&7R4"]!1]@8^+|VC@V11\)%UG M8>+*%H.IXDO5K+
<13T'&LW2^COYQ^;__'05NI[_+V.X[?K<4=!1.0L,-01"'! M&KJ CPFQ^9 ;^5X8T+LE\=?FW%J3>^W]>]V9&Y:SM>ZT+]/(;G9\LEG"(H0:B"F5$IVO^%
[5B!+1,G@U[S\AN2 MJ& QF"+!$6ET5$C'(&J 3.COF[&A3K6T#,-Z0]LD4;VWK4^BW59SM&I.: MJ*K%%*>_.PI9+@D8'H\
<)USMNV*#XO0S5]M+ZK>9H<*DR<:7)05H]6Z^(HNM M06Z6'\2F//*]A3W=@DYISD'AI/KK/8(G2LO3X3!*RR&U1ZR<90N%E"",6""+ M#6WCP'&)G_+K1\&6%?[?
KBJ7J.QFT:;"WG7&5_/;&0!J3@R:2'CV2(NHZT"NU,_.UCN*HYG.N0-((P\[65:<*YNP*%87-FZQWUA]G13S%7?QV-LQX1!)% MO,YC]])4XDK_ MPWZQ)35=A4'[3O^>
NO$G)88 BH8HVWYU'RJ!/A39]NZIOW^AK,=;Q7=W5< M>N#2QG)T5&CD5]EK95=LLB&:*[^:N:XV7ZVI@B&!;H$^K<>|<6[HF\"59$!* MJ"[*
$T\V,JBU2MTA=)U(/*D3J{!8DLFH/,C;1]+UEYS#M\DIA1H362E,A M?880T]=4E!++MPI!#:-3_Z;AUS5N")X@10^Y'2E8[4^ 9Q46!:3_M(G#A)P7< M-
GM*H#TETT!W.C9R XWMH5,/[M*57C.4G2SZ;>9V4*C>#X:30^D'G]R|/W:-0O2M[#:LY2AC*HBI10Y>/DBGWN M1TK0;<]4D:[?91$>=2"66EQN).0Q5XH$:;#
[Z65>&TY#.@(]TS"0ZYR\& Z8/GS_XOH MEQ+P;(6/-;C?7;R@&WO$3';XE^;C O-P=NA+7)]KF]U+@FT/*9(1UP7DX-D! M_IV6O5D!A@,\8TXI!/2!VAV/QO./;
[LV?!B#X=?QMK7^G2=(> MWO+/_]S:NK/0YRR#^PFV0(*9U K1;)/A.TUYT:D$ZI+\9,A.2AZU(LE"+I*X M)X;?E>^?YJ5\IF2C?;27ZIK3P5RNCX
/@)'<+X0^VZER9(O!ZBP[R9L%5J> M7&ZE)T/7E>:W\Q0Y]Y'IX9CBJ:ACGM IDRC9?7CB !0X 84>0;0Y2L/TCT2F M!=+A?IH-XIAN6 *N&ZMC|;L@Q74$R+Z',(*?
C&V"S030#L%G8HL^%8 '6"CSG;V)YF[>"C@/R$-Y-[+GN$+QI ^S;1/?3P*.#K>J/1.!HPQ2WK2/ MX^)RMO8SOV%-W)6UZ"A;TP!%F-[!,KSI-K;SE;
<#NAU04O5S\8[NGG. ^FUN6 MV80MW =HZCR6IFBQ)4?TN6;,MP:U8_ .ANB(9HMX>MDE?UE5I8P'8(VE[K@> M,_#*#GX60!<9_27*PAH7V9*@5:DZA7_S\
[UDQ_N9GN[-DJ193DR!@BK3=Z4% M"M-QG@*%T.&$X/9??VTM]Y<=X+$/X]3C4-BY 84(<27R1YV.D27QUR\V35+6 MX574W12^
F>PSX3U<<$#/_CLRRK*'>K#E>RMX5(S7%(2'Z,AC;CWIKQI%X^2 M\NGB7B'#JCM9F-!>Z6D5([",;="124C&7NC^'A354U)9I'S1D9DQ\E^^Z?* M?
D\]^;UX14=F!R9_5;UQ)8L6(!\<++,6Y.226L[:>ULKR1:6ZU,;@W111]U MR#KS[B$>]=NI7O$O6=/3'%V^D!K2^BIVTIYF!N!:>?&=^W>2=:U;6%I:Z<%X7
MTSM;_T.4E^[8^[-\C^>\M#_LCGJ3822#N.A#TDY\K^Z S_/'"$K M)4SV)R=DD*12L8@VIX>DP@&@LEG@*6!0)5#(61Z47Y%-750O:YEG3)Y[1>Q:
M;%/TA<*WB8^X)9N]4K!:/E^I.C Q8G;C9Q!09-VDUL;_@GVHX)-F_OCSFA\ M(4FQSU'O9C_,?O5[P\]2'TSA?
Z/1ZS)F5;4DTN2U24L5&K:@EI_45WEJ8+X$JI4I.3PPGB%([4@5?U[)-0>6^UZ;*V?4&Z\:C0+G OQ!13'EH9.1429Z2.7YJ8Q4QSN6#81[;'+X9L\?R0.EH4$RI>N
ML#9+>1=V.SM/6#,_]-=:=8<:,!9EQ1[&+VS&6@ .G> JQD M2,DN_EMW5Q]9R1Q>?X]UC,1<./%6D:H.)P7-HN%X> AN_<;Y\IOAP&_YQP%X
MZHMU"|P^/^@/B\YQ'8U&S73C-|=WWQR'?3,=BP4|_NAC(M#44_C2"W?C.Z%_M;*)V50>TJF^.^+UH(7)1Q(??DDO?4:+?IS@F@\,LU.'F5X\CFHETGYX^:R< M07<-?
W !%.6VBUMH&?LN<&>XVIVQ+EPX1U;M+->J29ZTKY\>^^LE]A#[R[4 M^@0;6CQI-D#!=2HJ<*!]$O8PTN+EO'_[VF&MS@$P=(P;A@67YN+?" [
MH_]LZ@9OC^$I^ ,5U$ZO*5IBG*$LMQQGCF@]-BVJ MFF303 X9T?<7*MG+V]*POD|[LS3;[F5BV_5#Z,6/]%U C89>;MXY'!0--,C*
M!_;.9YI6V)0E%ZO"2%9J9]VSMZ+-9&K)D[2!N]Q34G$+IJ?II&IO\;^ M %.=;_L%8'?H$:5F1*1C$G$YV4?R<9-$0:]H*NZDTQO(]@:U8>>R"]HO0SE@ M9M(RXM-
EQ"\=VJ^.!0*U^&-.X-^=")@&\!O3@__M2S'9UIRAQU>2/+6Y6<5 M-^,IX/E&T.5"%U?GY26@T*FK0@A;3G[21_B-:U:E05+X2O00]BJ;A0ZDUD=8&3
M@O\%)S#B&ZMH]9]?PRE7OE=RID1TRT$B%%,F]NCU2LZBN*?O^@SONN7OXE!O M>A9%.Y$P.9OBGZ;N.%NR4'CUQX(LB6U]HVN0D_%I@7RJ97#4I:-
5T)#+!8.# M+ G#'\#I#<]GD'@=@ZRRY4{"7>HT'^WP/R#*$1<%QD)GB2>O M'("^A,'P\W:!DN>QE$='LK&WJ).'@[J*1_^VNKNL]?%+(-K6D 5SQ#0D\Y2
M$O!>$3,\2TERP%VIR[HRUN;)BD-DDO=T*.83_J^037MINKHH\+[SZKL_?*>S MHA8?8557=$(5)>^;Y>Z$P\LUB';W(9]P#C%+I.34 MOXUAA=N(4>3JWL2P-
ZKZ+/:\A?Z@GV,'IB7127-_H%C I&P@.6#_6XS+.CA[MC>XG,,_6WY77,D$^PPI-A-MOA+2(S"567#;(&]L&/B29!2O=.Z@=/!M\K!! M^^'ML$>"QI
9Q@=$!PKFSQFI5E MZ_^Q,.3_![#Y6[*V'LGB;,?++;4F$RS2Z(AV292<7Z(>,CR^P+[?V43[%H#<_M SF?X4?G,P)(#"#0C"?M&8V-7S4%\!?(J6_W-U?PZQM-
8$6.^95A9*I@NFIJ M^]M"\]!NF5]V1;/=YWO4TAF;<-[K$MRPG*ULZN]H%!V"EJ!H<(R,&=>]NY.(
MJ91L&F55+1)F!4ZX*LA!H5!8*$%@Q$[QS;.LO#-6.YN\^68CUK#2:D<]ECOO MN/W'!UNB;RB1ME*G;BRS?S+ORG.A[#+1F)?=F$KF_0(=/1*:E=,/V:+\GX[H
M&.V;BVMM >:M,@<5@M7R* O+9.H&-ZY^)Z9.E \FL1^>E2O_OH_([MF=K_"^.M,W:C__'9:QR*BT8GVE^9]I"FWJ[JK_^5):]1;_C=)K;K_35;(G^"OV5L+LB M
RC1$+RF7H#W=-#N%SI8EVF&<%[T4D+]VV0\B=<9965,'3AFB5H8,$%]^U]J M[%.M$!T3WKC;)!T%A8\-/H6]$[']>8>(TX8W&JOZ#HMPB?',WO/CP9S&OS1C
M2V2'\<^[]\'BLG'(Q3SR7,SCE%-1N[%'H@ !&_.![5Q$D^/9R8^L&R*F0AMP)-M^5]LLMG:0$YT./(JW7@>]H;J)!O()+"60O'67T(4L>/Q>:@F6'&9\5G)@L,^
M7PEP$31@?MP/N!Y_.OJ6<+OQ;%A_S?-SBS-7C KU"9SU_*O[^ZDNVNUE/.LU;>= M%///M=I2'FW)XYIOR9RA+^.?/2G_U'FA,: "CBXI"&G!GN3K]2:4B/&?X.*
MC&Z1?/RRH-29CHH*G9%,Z-2IKW*^@BJ=$ W*'X(WLXHU';MY1%)?G7;ZPV@; MDEIAFR+OX',&/$5 KZ-7I12D3XI%QR,4Q!]^>8CX*Y^W,T1>Z M!LH_H-
;U^WL6Y'L'<>ULMJCP+YF.A9=T4_FD ;T#NU6G7<#)Y3@=UWE'V ? M.$*S\+4#4*9T&|?:4RN!Z0CL$R'IWPD=X'U0!V#K{(;<$>-4EYB$L15]J. # M!/_I*-
[F:!R66YM"#(C:]A#+@F6@FQ4?".I*!@9V79:!T6LW2UX'=6/?X@EY MO:J]. 1639'%NV=1+!\3O3*J;&DSS<+;AH#.6%4S5R-AV+5(&050I96R.GB^1
MA7PGJER'LP)+:4]-T2QRO)YS^L#?\@67XEWT#D<-RW41*Q*MRMXX9!#UTZ1/ MOWL1S:"M5?9XT1[F,7A$L(6P#& ,:\Q'T"W;7#<5%+M3<8[$?7! M^\6VYH0L'
I,MGR!WK%>D<'.J(F27I%)9625FYN9+^W-UXV{)\1;IZ@2=MPM M=C*&5D+_G$ F82AHV&%M3#1#F.BQ- G&83HLW++ZDS*B/E6+^(2HM',#D46,&MQK\6]%
(GRHMSZRC(=?4'8 M#F_)G.B/9/&%V')^'0JN#HH&6'I=6=58RZM;>]F85WL]^VN6@^,0+)51_MIJ MMLOB])'4Z7*X4YO_M=6Q+"5;:G^U1.J%$FYL5GS5B;@K:\$>1
MSRML&[R<$PYPB25+I:K5=3H>X]NYA+]^),I:KUY0!!^_RV&H8O,D&\51RV[1/!-MTR8@<=6 EOVNZ^027U1U$E=G-_K6[]Z/Z5_'56T^&&O:.9:<93Y M.JAH\85YH6=
<[N'7WL CETDU@ M96$E9P58X"1],-?)>%-4,/M?N7DRR>*=9FCFG*0EPJ[#44)MJ02M _]9 L&;F# P2)CJ:VVHBP03-6QE2>5D;RQ#
MG^O!#)Q3S*W.5UA71>^#0"*:PU/O#+#6)>EW5T \'*,45UC V._]_3G]1?M7@>J1V[FKD5KL[!#74[5I:)2)/*=8R+?!]E?L9/*@N7$H.[KIFLI2/C6UE&T M!S [6
TYE2VXL UG;/1V2-U$TO,$<\PFTY\C9K.HG<&YO_KEU[M]G+C#),X)H |^"1W84;%K L)%BL\)IYXZ O#8?.LH#,8$E&A3-
MPMC#:8OVNC$=POKT8*\$DW9AHIG1C@O_(J A7+N"C=T<]3T]H^Z3FC7DK^-M5]G:C[PUI9+=%ZA8OYNOR&*+COZXVO5[.E0@4K8^QB&CNW7KH9X-
8LDCIA$$ M.SAPEPSLU !M!P D?LK?W"%8R,__[:KR_G#L9M%PEMYU!KS+,+AZ0PT%)WW M@]"_TZ7_=H9+#[>2D(X;B)L75]7\\,IZXE>/M]8#DV=EU]EKY5=L/-_?
1(#](E*IG)+[M*PJ37>*?P@RV =IFO_':YDESGIPZ]-M-I*FA8O_EWM526TMME5/:H-G4=F1*-M|HMIS?WBD(CER54K?I4?W $L\51P**%6L.B0;(Q+GFH)O.A\;
{D6:5AGID! M\CP6R*]H6,S:P@H6CC=6@<[4K S<.>1QJ5%O%?&V'6?0+-?C=T@BVY+RGTVA MG1?E4N7F6V5T;/(#:*S2'FH0V,P&%U] MUF)VFT\
(J)!BI.'^)X76*.JY;=I8?4?4YEL!CQ.*7.BY$WYUR..P&V(K38 M0U%)HES[ZX4;R$+CB;_'G(R8LB66:?.[RI.Y-!>7H2R;#RRI)B8/^&):=$!F
MH#=,K:?/13\US5'V&64U8U]/85%-8CT-X#-[E#W*CR7UAQKPH95%>|*14M/(.M7T1\3'<:I^<0'Z]DWJ9QJ%\5?R[/D3/9UR^SFCTPAS3_8E!I?Q&8((^4,*;F
MP:E2530ZH[4-U%[HU%!=C+{)0*:025-(MFF[6:?5#&CZ?.&:I4(BHF_/Z@ M*-V//S(KM!%(?0!1IB/PR 9+DH1G%KVT^TEI.[VL-7I9:]+M&W*0S35E3]NM
MRH:*20OA;LEB.V>3J;.).]KG/5A)]V_=76681S8=]PJ;U86=LO606X[@\H&_MM$F,I0%;$NS\KVW B_Q0MY-)O!"T9%%<'Q)+,_]!@(\OC(/^]O/"ZRKL<=V02]G8ZF
M18E69KWMG7Z8LQ+_3]NV2^L"=//.9HAO?S& MRW4M0@(/=BSR -4_(6#)7U&H+5(R+=?,?]B;Z//Y M#W^_%,<"_=22S(X<_"G^1=A\TGRH!UDC)2B#%-
%8#@GNNT$EE"N.8B!K(5 M-'VIR/LKZQ\3[3NXQ]?1{5U6DYD%30O07WS)W6%0Y@EN^82842DJ>@\Z:!!H1 M."\XRD5J8!JE:3Y2*YL%_G9>*=97NJ60?#L%<*Q-
:.Y4BHJ5FWV0MP5T723 MS[#LUD)UH#GI(5@"")]G566J1:0U%U:3X4]I[]DK5;_?$FZE9PW% MY-ZRV]P=UT3LV7:[#]?E"RE_/],H]Z6X$$.50,V#O3P
7C)P3?.@,HUQ*5AX M0P>[_*%K,]W079W$36]YF*H%O.C3'&C@NL MAR0V]H#B2W*VIIU32]Y5*WTJD3Z5'UN:*!NH\%_-HJP_F!059>-1L=0FS^TQ
MS.ST.#"UNF!I2361E[HLI]5MK=D4H3P-Q!]HRS8P7RX>[& HO/* M:],!?GPQB^@XA(V\,VSM1D)@:A^?!"M14%3T94;/?ESRUH9I!,".R#II[8X7
MM#N.@\ITCQ.]1AFJ*@W)KA1%,'KCI; MFR9C>H-\]87BD$^?_/FT>"/<;^&$=#&K'S^+S5NRX?N8I9I/^P MGF'%GS3',COP0@N_KBGO=90,7 -]*$

'%W2.9H[V)%E7QY\YNPM3W+XWE/11UW##7>6=YL!VX?&Z MR>@=65&P)P!+G85|F$GY^Z?PG-X9,70X1,RXU5P*0^\+./1==QQ,&Z6+7Q)OM]!OMF8TD76L+LCL7]94_FM>[CW[+7>DVINX"TQ-H\CH\=`>CZ0NZ!DUQ+1?P M*FV4_'N?S_[^R<,2/+1H7=L7MIB;Y;4 [!>;K/7M.H:WCD;CP@/BHSTY%#Z_M"Y^+V :'!1_C;.>, M1I+T5"ITJ%V$2P7',6=T[I YGA..<7>(>?;6M(G9&U=!]02@;DT^1DCUXB/ M=/IN,.%2"60?=D%0Z935]/(9$QA)DNL*.]YIFS*=E;Z!N>D,RZETXG8#HY5 MIR]EGU+.@N2.-$:Y/,Y3IX>*E E/X+.RX;IN"X]'V%N0+^49&"Q7!RL;)+U; MU5Q @ VZ_CC6?!<_]2!9^AS_AEB."M9Y[!@S=T"8'>]@,7UN;,9O20< D-: M5BYCVBH2!@D&HNH8\B_H- L;:>V'.0/ TW MT0?!8F;?=`@6/A#-TV]$J.+ ^BX $N(9Y#EQV_LTDCA.8BK-[CP!7W'5^0.'K M>=62+$G Q7)T=DX[\XNR?>_.:!"H,KD%E'CIZF*R*F< 8S6:@)A6<5(;RDM1 M>F\H?U0(+NAW<-$=5Z2,5YIUEKF\J46VPT&V*DV_,LZ,/78KN3;!F-JX+,>\ MWU.G88MDH2/_!.:53 _/B3PN^\PQ?+F+QQKS?U[*0MS.J>F_KM"}6^<-==/$2 M^3X'[*O $D70ICCI)>N\ZK1W 3HO55U\(2+7;S_\M=51]W57UL*_]T8HA5^(MC9FZH#4'%-\O0&2!BKUPBR3?\W/>3^N2,>E&@\D_A=1/C>Z-7@.8+ 1PYOR(M4$%U;(T8RJLSA&%$,)Z]Y@9\\&"U^1P[U]$I"C#=.OA$0N&@K"D@4,?F-\&UM;MH@\\((P&[S&A5C>[ZJT!!3 C981VZ%IYNSO0&8LPA5 *<<>;[8UIR0!2W/ MOM.P#%28.3O'!IL:!%>()ZY3/2NB M*785 $"M!Q-X%.4J%PA%MA>I%<(3K0UAW-WQML;6ZZYL@GXG.CJ:A$9' MAPW&$-H=]<3>%6=A-4OMCL?C28*Q5$]22Y6#?8CWI6%I'J-8Z,[&T]QO,O*_M8/ CB_]U 71@6JZ/[=1WP)DF8"DB*^(M1?HLUM>.#DG_H19.BXTM-J9:T3F0 M*F(JMPC6(E@E",;E;3G$3!']3+=.V6)N(M;0&22C4G"V8G+M/2KDX<*G^-&"3 M2TF-K8)=1^/"_;ITOT[^W;O^?-> {GO[>D_R913K+A/]_Y-U$N,D+RUB8&YH# M9LWFP;3.Y+E;"26QXLM@>P>^GA5V/!0WD4QS3L@^ /#!RE>V>/G*LO7_P!LU MXP]XS2U96V ZGN%I?+L&L]<=:U-Y%+DUFAR-[]$.U;BH0:@_NO+0[%WQ#$XH(Y$V=A6LC6#F7G M2T73-210S-4XRA]4\8!F["U!'@5Y_ MMHQ(3_ULN<1/'XV\,%M9.>,>ZM2+WT_[:O^7=^@J _&G\)-3KOU4#ZF&X]-6 M)6"7:H? [,76B MW!* #RH"EJ^,!/NJW-=-=*\;[%Q2U&7R/B9H[]4?2#H4V7Z+.E^$ > T?+G/ ,PL8.'5]HB?Q@^:XN'2VY.43 M8; _^$XX-{)0[E\($+P+#UIQ$Z'/62!C8/UV=;_ M#YY)#'B:M5PB7^-?_ 8\=':XE%W+/O93VJEGQJ.I2!3=5B^Z#G+%X4W+NBB M@)UZ_+*;V4MS#&A9?;)#62<(.WT_17IN.31^1R-LH&6 E+/F-'B&@6-B.A1S M&8YM#11:QIS8M#P 40C^]D3BQPG[<9+>$-JAL T;#<7KST"-X/K)LU1ZY@ M/VOO^]U 0O?"0JW.&MYA87@IF.]!Z=1@VW-KV.>V0=B=E]\8Z@ MFA3/M.3*@R@LH);-Y!=4H#P]4-B'BF83Q$;$CZWNK'@V__.&T,@KYQ:=@-J$ M!\XR"!QEZXA49YI&$[-B!8MA,60>O 7T ZH'1'1X2K\C45;I:FSRL6V9E#T MT,F37V"PNY_Y2B?+P M0F<8,^O.U!JRONR_KY+"1Q,\!\9/2>=%%Z%CH!V#U M8'JVF_P]+P<%*SR>5I9!PND$Y%$SME30X=UP?-3LX=W',1<@BA@S6GFQL<%8 MLF'SK 8CD$K $A'\1 &1/8\K-T'& 9CUI3X'!@NK>EX# MM82J5PKDES"US+ M>U]<_K92G:6?4HX7\@#ZV)T/ -+V+7>^7E/G>9+M;SG9H5^DI//P A5O/W]IZW<=D0&WUKMG?C'JDKS W*5TCV1*!EO^Z_O?X)EO0PFN'/QP'2F5K[8?O_V6],:*5KA5VQY_Z]<&ACASA=BJIM^.M'5=EH^5"1:=U>"1W.J#FZ.BRV[*X,+0;!(PLVV\P5I5IW[U?0*,GM1XHQXV:.M:H^MBF/;<8D78A0RV(=/YS@81T_3_S^Q}^/L55ZDBS>_"WW,G93+H@]^WJ%MI"%?MK;DC=_9,0$O4:_<$4"/Z(Y:08H:%Z6H M0>=B4IZ@0J"N"K4/A\::N;]6\ALC.+TP4S[R_N[H/YNZP3.=O+;OP_[9&U$> M6#G4CYLFFKFJEE*;*Z/5;.3^W-+X8%)3&%[W.^&)=]CT/=G8 $XV@8WV M(%AC7>-_Z N-?]VSKKV!/N1 M-2P<4]USL]G1>XXD5*OD7XH.E[.P+=MAUZ-Q7VBEY.W.76T.T M877XR%O6=/X@PQ[],98]HNB\4_EHV>_YF5SRCKOOOKHHBNE3621;&_FH=U6U M<>'*[98\V!CCSIV,6W=NNZKFT4"*05 >]X$M!UO4;U?5/-27:-I%U(Y1X72+M,EK',80RPJKWJQDQR5)W:1G+:S&$P-6^%U6\V]A&$V(;+-OO7OO.S=1W])3C MA^#_3&N7 M5:;W^Z"2IN_-]Z VP5WZTN1[,JL[N,.N0:$YF<-N]NH.#A7;U1WKZ@X<%1OC M5@EJ8^'I=86;] RZ _BS$2X\^F#LR6*O-8-_]JC9N@;_PKHT=VL3)^;Z7-OL M7A*:XA!79Q#7?)?8Y'YGMWVG9FY5FPE?[82QO7.V6?QD!FTUQ M]P+C#?K%\Y$Z@TF_47I?&{-H).9F<\U4,+*F-QD42/9I@^;'NK]#(9,]S'[J M3\?-2(0^&>QBH.AC8JF6LY*!PP*[?D%(IUX_]GUN*9_H#J./ZPT!\#_[!% M?=ZNB:W/Q><_+H1BTHY*+0-SKT%=OO^(C;P%/8L> 7Y/C>V"\(^4KZO#1,@ MN'+=S<]OOPWL/)76?!EW+?GBC7EQ[V?\EF5O8W+ M#& *"#2?&=#GAN; (C8/IG4F-XV#V#V'+1-[U][-O,=[IO9 X+E\6$) *AF(M$'="/ RZLL5C5I:M_P?>H1E_)QOR=IZ)-MQM3.P+<&(96AROFMY\ZNNM8E< MBMP:12E^B8YZPR,+[.N=3;1O 9]D/,9?G0^(T % K->-.*>'825IJQL)*._MW=|_ YO=!*HT:=8/H?S,+'B+D6G\#7NS:*8O'LMS+7"OBHI+KM5L0;9?$YMU!> MZ28P FOK.:,">:T$"%^)]) "96+|%R"2":8-VO)__4T=@WQ)W&I#\ 0)#5?Y MVUD_%H!9-8)Z@?K[!8<*(%K4?UK^R^U9!LX275N,2FX)/)NZS%O6<'I;;2DG M)U`];U>+0]>WU99:<@*5F;JGC#X)V1/Y;1>U89L>B) ^+D]E:G;3/-I"% M-]F,T53'!%'VIKFS3E&<+G_9P^E,LQ+R_M:C\2*C[GG]4,4A;T"PY$'W+P5H G&8"CQL.F">00WD[0J;*6,"_&D5Z6TGQ=]MUW]TRVO+OEW?&|>R?W/Q?'5GO] MHBQ[VNOT^K)VJ2W+;O?=LNR691\0R\[^9_/Q5754M&!DT.]W)M-H$X&3X2S5 MA/$+^)Y%R<9[.]>25!FHU(.[*%S'GA2$S4BU]9-CEN5)BKU>T#7=?'7;4?A43-VK+ VA1*@F6LMP_ZXX#$A43_]-9]1O$>^$$2\?HET,!D6UY4&O,QI5T4R<(LN;[,732?^$"ZOW M7_XHMMZ^,=(!OM 67K(E6N;Y<$GMI2?_LI5N7O.0VR!7^W#]NOGQ.J\-M$:-%M#!\QIE=$<8.%[-82<$'4UO B=FQDC^7Y3N36A>X@Z]?-+5DH%ANR;IEXB5GP M?VS7%OOIHVX:=(@T_/4_O7LBL'X '>E: \/-GG UYK$!;9F?5,>-6-+!\#T_M9O.#W]@SW67*-KZ#O_/27.!O[%U).M#-\KWN;"Q',WZ'\]Q.YRQU)N<2Z]*\I:@;,&6&]0CA?TE^UH R6> M4J#5Q)6U7NLN;6H!N'1%4>&!F',=.(@:AN4 1Y,]7&,Y-VTE!T*1Z'X\Q8N!+A0.TO$9+]NB=4K<_/=(> MAXLSD!OZ7-KW'0'W,W 4@"6^(/8U?X"<),)0OMC4G\!5XP$S -E6W3G85K0E ME=W8'DU=G ;.]@IZGA_T9#ON6';8#2:ZV]QX";;: [%#9AZ[%W4G^.4.9*5IZ8ZRU-U0RS0Z"-?0=%#DM ?XQW&56^+H M"\IKF)Z@T.8D1+G2[?E6=X'[;&T7GW6%.M@5]D5![G@/[BA7@'=S8C\K[W76M1ZT; CINC**-O86S>B;8#21$F_>\(Q)?E6&0!X(]DQ[IAG@;87C]HVX9GDD)-M5^AM#ML:H?A20$O8,KT2I?X&1;OR3K1A^D)5B#D\_'+N=KAV0//.F.IP_W0U\26L0],MIE/]SB1,U:,J\NZQ4>$Q^<5!-O^-H+Q0-F+#;+4.(=_@,JS0U>"X%MI:>Z!Z M/"A"'QLAA$VIX(>M0;|.4MR!Z^Q$%GC?2@-XS@AHZ6 %;&WXFC)[5N9 ?Q9M'UXS!Q0PE TQ-7?@$8:VPX.1=.%KO.8%SY)BFK>&0V=;=5 V?=2*[Z%\O5DN M87,W2T$$G 9NEA3[;Y,B9'@33]@H9[`=\//#8*R[A),#OJ#7"'^ Z#A"^^/3F M]PQZ=]86N,V_T#:)[16H]D/Z;S_[_&%@4E']ES8.XAB"QPKJMP]3=M(60-6F MSZ:THIM_;DVJY]*KY"\@:]IWRB:&3I9XLAL;Z W(;[E%X10XHZS$K.Q0,Z+2 MN,=#AZQ0ICQ\W/"50"Q$W-!T>]1?[# O' ,_]2X$77(<;28U'X,&HP&@;V MG]/73E>YI%O[I-GSE=#LAY0IPO)U1"UGB_BAXZYFFJ/3-RW@A.G3$+=ATI;,MP@$;MEG4E'4<'R,I+N+-8 Y,MZ'W^IRYA4$RY&J$+OR-22*!VIW/!{[+>", M1=](Z'8?:HM_]O8CZ_,75C1/%2V.Y?CC<#PT$4%JBB3/2:@R#Y1)RA6(*R;7M]>]"80#A[]X8TVR4M4B'VR4D%0KV*(B M!V>O.!JV) .ES=-Y:0?35'6-.V1K5=?\OLX()OGY=US|+5M\7)"O-R|HEIQVM9:'LEJR.F:RR#\1A9)795;|O^LA)'6K_HFCLHM_KRL;WM?1QS/215^QP^MB- MP<@\N]MZ>-.,>"('7IU:T1UB)+/B-,:CEQKA1G/@U:S&HQ*PFS.DI)0TISLKB]M]V'!*?)KBFK1+)>>),NEI,26TB]VK_9!-_FIIG!6U% 2%6JIIJ6:S%03MKIV M!U+%9.I\#]ET1XI,1XE&E62(RY\8_C)MLNAAC&Z&S[N?(=|&X0DWLI6F#%R+MV7.VQ#P+Q:W7VC/3T_ B1H;IOS.B.-O9GT V^)%!T\XV?MH96*&;JP!",D3D M-0#"Z":F6LRMK>W0?!PQ$ZRK7!H8R'|8\|9#U"'8&;S!I&'IK8TH->XR.RN.#M9B\ZH=EA"PLW8KD^*8Z43./4-"W&@A=)%L>3<$38]""CIG;BT>"JR++)3[M,H//||J17@2Y"8^U^3G<'ENNLD"DJ.1@\?|(VS;E.TW7.A>]2)"#.3|)P*5+1 M%(^9H5&1&0H9JDX=*Y ;F8%L_ >: F$9B*DIDZFY]>^'676"*ICO'E%N.-J M=C33-]XU6GV|11-"!W&'RK."+^= ;76'TI;#I#GHOB&W5S I7_&R\4TOW1V3 ML;!(8^M@EAXF_^ 80,K?;.5EL88E XSHMY#>(P4;W6PYM;)9H'&'S#$!(^$U MIR,GK3W=;Q^SJQV&=/C9U) M*5M7-W0759CU6J>,@SZ(91@^6*!"F&@$@^BW?7R!&PSM22'X@CDUDA6-ER\$ MV8YNP@=]760%4NQ$H>!NQ5,"SW3F*WB2XR?>^CMU-A;/)&3[CW3+726HXH&Z MA>^HC)C6MM03@S?C%,+]SEM\'Q1V3_Q49P7I?]|47I],/V&HF2@KJAI6S_XM/5]I#CEZV#=21H:>M'3>Z.\"G5\#C>0;\1AS4)A/5(^'5,/<'#P>143W4/F=L2X"L]KCPQSOWVSA:&/IY-&NVN M]B-]%?F67&N31,GO!*^O:;FCYRSQ^S2B^SCT8@'+Z;A[,1J/XIJ3UCXQ7C?9 MWR|'}39@\"WB^$B_NFV_(IF-#>MI|GZII_7Z"K M;QXV>X.M=T V(|-'T.>|;E9@OE5NR5K3J0/(TU\R3TLKNL7C0IA*'(8L)#(MQC/>(+U"F$@$<* U>D8X!75;WJOQA=&H@"F6TU2-,; <9KY^ F5OO5U_T9[I MAQ[AWRP_ZFA8_3^BV?&VV+A@9\G\N=0XXVQEK^4%4AQ_=8S"C@#@(XGE$91 M>|>8SGA4Z)%W\P>V|>(,;L5(M6+D_99)LZ@:XD_BVP8U&6L#(Y!EHRSR)*B4#DN'*L$(@<&BXJATﴩ"AB@*U*-M(-T13'U-M%WZ_8*BZ*)#^|"%E'Q4;<$<+P=)D%*3;&3#%UF[08K I8W%4C+E M5]D>9%=LLB&:*[^FN:XV7ZUI,$=VW0)$UF/>.#?T37HX92(7G;|&8X]YI D(M9K(KT/@_L0AYW-#U">C-:>X_?M;Z$8) (AK#4$D3P"]K5-VO=#M)A%WTBDXQ M5#N]?GS1X@E@1@IS")!(REC#S*94S/M[\DAZXD,/0/#?8Q&5ML0TVB*6>4]V M*HNUZ8E2<-"CV!9(R:O86]= GQH@=0+ [<0'.Q&GEYB=SFH[YT5S*1 M^=W1?S9U@R>)^67_TQYH@KRDJ^54Y0VWZ*C?(I,>|+Q3I'=+F!LE5!0Q>+ M$\E^"CQD4A!BEE)5=*>CI|:\ AR5M?'<:.#SPQ.#AV*^(V'|E2T6 ?DT&/-M'|%*)AT=*<*EZ*N-0D*)*EH)7D;WE0U3:YM?|H*.I-A^5].B4\O58:\SG,.F M;ITV^>45_HD3C7?G%,/OA);($#YK\/O:,.'P5JZ[^?G-FZ>GI^[3H&O9#V_4 MBXN+-]]7[MJ(U;.$*F#REKF$ZU'8TV>,P*CO<_%I,%_Z&,Y):LK4>R.-NA1RG\]DC3 MM3:12Y%,HV8?OT3##7AD@7V|LXGV+0"R!W(^PX_-69WYSXIF/&G/CN^-C(R]M|+%!+MB+-08YC%X^V3MS!'XVDSN3US=+)#XX1\)Q7_1!8?|2(B*0VRS6/WJ M.S7&3RCEQ*)8==WX]_W?.N:3'SXOB&F0Q*RPXHV8500NA>9FC!&X2MK8/E"MD+TE@/?(O%B/RROLAN5F@?@I_49\C\NBE;/3KEH0NEY9,;A\EL+9%HM7")MT M.&<;#O=#[/!&)&QLF.SB-CP3[4A;(;9C##*,,6C;KA[^N=?5=C5-^+>X=M7ES(.5J&';4X<@@X4J>MVV+ /C'|@#Z&(04TV;(L@A\ BJHP\2175],#'H.:0 M4G|:5+%71Y*YXO(&F[5H^WXN24M.AT|.!4;@U1SO&^S4AV7'_5'&D>&MZME2MPHO:MTG\N/ZQ!?LJ5&':!\DG98*& L3C& *_0<)ZJ]:@O MX!K^'T?8TT^#S 48!#R7F,H#?I].@H7G:\I?6SC?Y7/X%4O@QW3Z+)WCRD#2 M52Y=CCBGFN[45F&(*HR$X8.AYH)DBL=@V/S@* \B16+U7N<^!@97%XV8 M.IUM3V=O ?R\X?IL,I?&6<@<!%DHZ(X6<^O.BBR2Q L\E'Z+GZ_NG>^#QR(>#,_X[B%_=^:8L=9-?!(X,XO%!)WY6Y?WN M.XD3GC/^ %(:E!&A@^ 3<:ZZ_M>6C8F>YG,9]/*EY$IY: M4WW!VR3J!C@\'?2#^=8&WNF"&J,]:KI!62C.1@?&9JUU8#FHX!#-T?$"*B+6M0L.]!A]F?R.N\/NY&&F.NYSC9'G0#=@.V-YI"!X%1OQV&H;JV;L X6E$-L$".+(5QLM/:_% MP%T*XE5@$NS68|_#&-'>N_R9$Y?*H?R.S:EW0/XLT:%'[^N$!MOC\6T(OR/-M!S4|?".@/%T{0VQV]!UZ*V_&X#T?*8,ZM"G%".RDK0D<#_44PW(<^'W!4-\F M#UO %PM($=Z'VBBG 1OH S0+T$XW=*_PZBT3SD >"P(@7'1PY.T3,0S\%V%A M$+!^V?XUQ!'F.OTFA2B5Z [=C;.%=05?UDW76]D\;M]:~$=P3HH+O(E!$':R MQ=L"Q 000:1PV/#A;^29W;1AH-OBVX"F%P@-:\,9&ARXO!Q&N,!._H3UXR%0M]9BM/I(]_@*Z1"/H,M+4(VX<]4KV]MDRY\G;&_0+%R*.N\/8_87=H]V0PD;=1#CKD#N*G.UR"5(' MW1DF3P -*&H 5B^W "<^$!Z>2.Q'XK>[1!@Z9(7$&V8O+3_[HL&$*H=!5F\ M/@>99X,*YJXL:N5Z&E-0R#KA=;[*!$*;C_ +>S.L&_$61 =]/WV3D+Q4%%C8 M#,S7TD _6R" R#5/)SE%<2UAHRN<[>.H0HGRW00T23IM?=H(:CP,%:(3Z0 MM?@O$?"'<9UK; ^V^6G BQ M@? 559KB.6G13C6][K@$.6:$R@O!I&BZJ2I)-PT(%[X4]F#-(R9>6 %#1 Y4M/@BM!@ ;4/:RU?7OQE8*Y!H0#T#GH!!;2+[> L+4S%Z<08)-2D7G&E=XZ<<) M6Z;'<L.K9-VTB^(?/OE*$T =%]:&>,.:*G0\,PLP5U2Q4_2'D%:[TSDM2Q>]M>FW4^SE-^BUO?PR[O)#,"K\;W2A!YE^O1W]X\/=_W?[K]|O/,0[7DSTH).)06IEQQT5/#:OL]Z=]R:G%#?>M/|6]|G0\&HYE[\\T:J5Z M'}'0;(U8$Y:KN0>P5'H6%]U^;S08Y2;@^$%X+W4ZNX-#4IQ|-&08E'JQSMW8 M(;+AP-(X>^1EU.E-1_%S0/9X_+WNQ7"H#]:G2HH)@RY/>3KU&T@,HFM[G<&>4=E>DD1*S4LRT94OR"GR!!/[?4+2N9^9Z$>]'CW/.0FM(8=ZMVU$$T[I_.GTJC!13>V'7F\,1=.:5\R)>&XJ3:K MM>RG'?3+B'2S&KU"*#I:!S7GIT7)^]MW1?S9U@SOU UK7$.3_?_UMVE?[MO{0]4V86ZB-65,I3OI#B0<<2?:#O-SDF(%#W$5H4?C+7VB1XSL1GS($G0\]4 M-;A0,(.8BPBAMSAXI#B8@%8YY7.%*%(,'=K#K_#PXS2G8.]HARE^-MTM7IENOOIMVG#L^X3ZO)%_P++M!#PG M8T]BY[GEJ2AUG^&[]T_$>"2?:-U#?/@]W))@X.EU M@[1RYFE\K]]*B2@U3AUFWEP^32<_Q3ZV=TBTZ;'I41;H"NE\))O/P9R/<^?9 M]MQ+WG3+8*MGL'=8KK9 13R>M0X*LM:+7OQ@L@I((":=#S<.P#XK$/,XZKEIN M'108,G&:=O=Y=M\RW.H9[CWV$$SBM_V+BX+\WM_I#1)*/*HDBT3>]T9X;KC MU$.B,(_-3O)]!AVG(FGM!MM^60=?/*CM;7=53*C[!=DE(.;U+,ZD_"]HP]M,0_//2A]\ACEM&K1%/:1YM>H"?DU MTKR<8).X<-I,>RY-/)=6%E4MBRZ1BZ6*H_YD6%0 M-9I/W%LN'8_!.K)SKI'GY-V\[X$]\V=N&7S3H]#,!9KO'3D9]<*STJ%9WSH MMF@H(2W;N8Y80E*:.0(1:'9_V)Q%N^KURC'QLPD?$+FX9% M."32?YITEG6?U!BS_H/\XV7K/HC.93F<98[1QE'#R5'9S/C)Z/[CA;M.H(.Z/%A)2:8*6R"&>TRPH<=;EV6Z,Y&,&+783Q:T9ED1DRRU&E_*S\L;,. MX@]$]B8LXW>-P/1&=@LMSI[\(F8S@N87&L",K[C|\,5)'1HEIM!J#P[V>< 1M>M'M[G'K#^KXW<"\+HE $:#39>5S/I%R5XIT<<^-7$\3'-D8%AW3T5Y/EC4 *>]!G4!'A$8H++E!CU7>QH.(&S ;_=I"Z;6+R0@W2"/6Z/H^A M0I0&\M%W7[QQ]'S;+(F-4VCN<*ZY#@1U"6A.::3EH_O:PA5GAH#AP&TX MXW(H>Z)SY1C;!$X"%A]"V*5L%P=>BE>PP41TN=YP[N#X>%IAC^4V0.0/M("\TEP^056S*3PW@ZYJR)(3-_K_9(N%;"63J2DP]/X0,RE;CNNF&?V#%L! M%0" P09;THX:#AL_/R?Z(ZIT#AM3RL0-&X"&;-4DC,,*V:';_@[X8"78K^_8_XH9LN6X/C+Y\T?B@@S'7Z2+I?.H\U^Q-W1C?R#BV! M28\O(JIQOO&%4.E_2P7I?#+( )O7PA]W8/*W0>#DP M]1;$QSP?S5\&?O>XG&\^FEMO,96"M%=TY@2) MW.O%YW?$VCD#N$((@'W#JCO?^S>+=A.@2GVTMS\6YS90@&@80_Z6M+]FY MK%V;<_GD.'&47]B>TJ::3@OKI+WTLV%P3'^N#4^'2YGM\ +#XWZ)T6"+S!C MCH(&3Y(+#XR+=7_E"VL/U%V#(KT:_FCFSD45UB#XD:OXV!0[FB[.=Q;N&1!5 MTN%]*

*52-$%@1)YBLSCS%D9VSSEPPM/=DYK{7G;E!1WQ&|\C'DXMH&;G<3(DZ M>,,H_%]_;2WWEQTHL \S&AYHT.SV0Y&WR8AU5\;9H>%UQ\@9.O}7).MY'@*J MJ"$G64E&=REZ1.YF=L.&>_IR2 MRDV%>E)UCPH:0%2Z48L0+7WNS-ZUX__QY1.(:GC|%;7XWFGF-^45/@4)]-_[M9?=;]&/UE]==!=&"@OHCF=E;S7Y6U&&".19:#5Y8TKQH14/_@Z>BPN?DNPX4 M A9A9,'P13A(@N8$-199OPT%)^_B-,8:#[$&:EC=8E:NYW35'C7=8,/N+|-NV MGJCSD#D,G^CL\|5VSG3KM%''ZE3MJX.O_]BL*23E&BJ/*MPLV:X"GM-++^M(X M756=3@OJJH-NM!F[9S]PGP&=K@86.C/|)>>.2H=_Y,'!ZF^H),%S.NU3@?#MHJ`~%MK%(;JJ:#5KP6@&JCWQY+#QSI6&/$1>M!?I>CX1\(3;J3_5Q(VJ_#^ASQX.6|A9C('F+N:=*#H!,**!AH.1J:6.7.W#2!MZQZ.,Q@SC$2GW%IX:@R#N]@8Z3#'0|0)Q%QR_';-]AU9-1[,-7_'+9#5>R!) ML).!&UF+^+,(]Z[*<1:J!*<#9Q'&4 H%>(.%N,K\@=0L)AJ B($N #EWI5'_M%8\TD;^V8$5S5@6GH_&[$YE!&A31H_!)^ZZOMVM&]5>>P?[1LH.PC64'%Z'V M$+TT7T)/P@-P"F=-J)"?*ON58@*G.M:.&,YOS8 =8/9^3 AOW,6",)1OR85 M=SSRMRPZ)+%Z:7D67B=N4\%_= R>2KWS%#>Z^.?AW#5B!0)X7#,>R?$G6"E M\:+GHK#HB;),(7]ZRJ7C=SN*=>/:A#KI34O"Y#B)SIX!VDH$W)F"=V=%B BQ[OI*)$DXV3K_Y746E8S #>AMT4M;DAJFUW]@(&.C^2F;;RX\UW6K4Y$]2P,P$#!:9K/"O7C`YVU;N4)G7{6SSZ;>1X?X[#9M>6&QL'06LU;N"5>^PY0>G5O;8#(V,V3H?!*O?Y9N5[C>"2>-`3B MWO^;XCO\(UTSDI><8,LTV[\4RW3]4Q%YFE,RF8[,V#-L# 6T4:]AZV(*#2,M1Y5L$)8SS<&H+TZ+WQJ:[4V*UZG$4K8.4L3, N-^XZF + _^+VS,=98:=CFGF M#G,(<,,(V!+(C@?0WP@/3XL8L/<.>+3NDC4-_^H,FIP.N']X&@ R*^1HKH.GA^H,5R*-[2SZBN3T"\66XQ&XQ%2V'9'7RLY\(M$4O<)P)+7Y(%U6)>F?0$-/ND)D<;X !8\2?[< !09B=X#FPU[$\$'\%_5%? MX"]#FP:+DIA1^-]@-.M>2H-+"R$B&Y$"#+4Z#C313E:C*28+"B]\%9&!=K"E MX/H%;G<#']*[YPS5=)HK'"'8'0(.]]6$+Z@>]'=BUEF:CX'=0Y^9'L*&VJ1,8 M(DV+/#G?&E@^]L'EBZ(&W:X/( ]P;?X?F'S"Y;X M .M8^,0>=I3ICE"G !1SXE#-=T%OSI)-D2FAP[US;L,%[Q=_T Q0<0_BN:[M(HUY"XJJS++D%$55'A]^[+3?C *M0@@HGG#T,K6*'\=)1#C>D0?J(IPEU$&&M6!R2D/UI@H1DWZ'6NWA,<4DYR2W,3>U(53Z@W 7*+L:2=C>4 -A*^AO M ;5?11X@5OJK_M;_ H EB]C&V7=T:28FM[''7HQ T'2Z0+2H!Q24F6*DGC+'I M!Y3OP,H_UXPADT-O95.EHJUH5DP NT+NG O[7*9XGMG-U_Z36#!/9O.- M2NJ&LRDLX(,U6+Y,):E$T_BG'+%&!+\Q+D8"4T@=0=8&*# M23N>>GRIN"JD(KM (=$=0+4@!PK8.*49@GY@,.C?WS.O^ K-)ZE,I%)DM 1 ML@4HZZWAHCDEX,/D!)"BMV-M06'S-^6$ MX#?P,@P)>9YP/ZV>:BZ4^CO*UC1P$2#NJ*]BMCEN6+R,LI)>T+3N=.9I5U/N\+HA&8KVHC,)*'SPW7H7@%QSNI,Z@3C@A?6)O MZH3@#QEUB5"R4HX,H5K-92]/),>"#C]9*4EQ>#OHY\A-.IJDI$P91TFI1K_ZM>%0R?3_5YZ6)#;)$\7>6]0U###MXN=P;V'' =@!+!;V\$/%F2I@4#Y!6U=?)VX M?V-1=G=.'I'K"I>ALK+1.?@WYL!{]TDS .:4+W]%_6OKH/#Z"HSIZR5PH&<0MMU^MY=>/@Hl_O7O_\>;R_KIW<=>3_$F=HE- Z@WZ7Y1@5.G^(P=-MX-%-%OO"0W5 A3+01P;JDB;J8O[TNCYB#HK:._\?+Z"-2K'"BLGDJ5@1#=N!M#1MPHW<,_^S>=<&\J_57HFKWP_L5O.SNP]7KKMQ[=03(GU1_M> 3;NW04FB@U(X;UY!EX/'J,2V,^B2?=|?S$W^)!D\41^6D!$Z?#70SB$JUC MWOWP*?+)UO$^063CGP*NBT]H#22:0/2!HM+U#W?1!016WA-#>Z+&OE^KPDU' MEU;!.?I"UVPZXQ<3#80AW")NI1KRGI0;X'9PV(OS/T #Y\X_SJ2/<[!'SH3N M91(Z*-7^5TAVMB!"KW!CSX@G[E3B&8C$XUZ4T",WK':VSH5_?A4]ZK>P&T7 MX?^^%*&^@(B^9!XC=J=Z,1AXOG)@@L<$!)$&\D$"!$]'V86&GV_FUS@'4(?Z MBCF.T6?B><&/NH%PU,$8=W9EEF:Z^ES?8#N2W4LLMAWY>&-H9N1#6F6]"_I_ M1P=P@0+'UD'=YBM/,<5O1)S3KQL MNXXRV|H\1&S\|J0,D&!?$?AP"XM7/K*M")RH0>]GCOL4/%K3(F5'D!IMA[V%0^*X/:>] FV M7=,44;_|^YMNV$5(6E':>_<#&:B@|;/T^IY%S/9_7+DY!B)YQ"'Q>07(C(" M13/<8Z8I&H"($1@7X=L-&;#$Q>>>Y*_;P\/YIFC-#1NE7V"+U-?7ATW_Y@:)G M1.POL*FP[X.SU5BA31Y>7X8E5HYCU>HL63,4LM1*'XUR>/-(!$>=/+6J[!Y5 MWPPZR[!9XCPZM4F85;5DANPK+67L&-##R_3$92O:= =P!OC#1O(&4B:S+X M9]AR#:CBG#)K#"+&7)|KF]U+XN2&-!N&5@2<.VS:M'\G&.+ >,"K,2E#8+<@/MU.YX/)YX<3;7AN\B*Q5>_.:<52%_ZEL!&GO2%]<1>@9J2OP@:L(-USK[IF!3_M'4& B86BYZ@?T//C-5Z;+=`>=/)G6DL1V&?.1 MX]79[{ZO+5(\I^M?9_=W'_9M=|86]0.0ICP[%-?P2;>UF0[R_3-OY?2[!HH)+//OK#W8WT$!=6 OF/N!V@_! MM-:$+E# 8P"<.LOOL/GZ=/XR9XV:C7B@U^P*=''}/[5AK?UTB)?K/|X]0]ZMH#DN;H(M?O%$V*__-*EF?,>;-^+%>_)=NWX_G8M3UDYD#S=YX.W*VA3L+[.$.RXUVR8-- MXS0.?BA(ET>,.I''|[M3V>,%5*Y8J>1+@41LC){@TRV+#?'X4VC#XVXO'I[\RGL=|$:'/#SO?I[/FAT?1_^YCMA -D&CN. MFAFA674<%!?DD1@6J_(68M0"| Z0]>*1.,\R_=D_G*!!6+ MBDUZX>RU)LD63N.W>J:,>.]]Fl2).N&Y=2@Z6:|:[NZZ[T^3=4'|+TXWWK-MSZR]PII)@7C5CA'#B6W0"TF1:ZE,$L/['$Q21<2()$LVBM8;]%E7$Y;&+K0K+B%^BSPS54DRG)M]H*1CNU]H@G% JTC N, VU]BS< MM:RY*/7O8?\;R\^?L.R@(DV=P#99HB*M^,F3>)>8'X%I^4!CR/^HZPX7S=/(-M_M-N-:B[(K]#]:+M>W0TOE'@ 3U7':XM;6X>7/ODQG=X#&O!8Y']{8;D$V M[]I[V&$;$"9X]OI\2_6%#?N=],E_3M-:\>?+(B]3C2E&QxD-I5$_#HO6BHHW9S3HXE"&,>V5M,E!:P MFA-A..X[Y_T. MX<,/6QMLY(ZXSL:Q_<4R:OVDGWZW0W M8%=C[937NJ,$A>30A\P8V"E+_D,D2=:V[72L%4MRV\68Y$M5H$5>!UMS"OI M_-%5_NU-ZA0U4 X)IH1H3M"#L@@^M-476WTQRM,H-@-&V9@@83QW1 ?&4&UM MF!CP*S8Q-#'W -=?PE(AZM,^RK,LC]_YPN$5 MJ_%C1XH9@2TE'R$E)R85Q=6U2O_9M=SR]C8Y'!%UJ5][SG]1NH@42;N36O#T MO[:4Z&AG'9}]^$/$>;YP=(:NJT5D\^*,;V$I6-!B*R9 MM;+\Q<2TI P/#@[1#=9+>3WV)Y3)^S'2.+=ON9>S5PN;AG5^T$!)\5-B!"1[?>OIR;=I,\BRW:PZ[:1H)+N8[5, M9K'JV#V\CT;O^6$35I7,+%1LNX/6NZ$!)M(89BVI;.O9TM#@F4'&Z=[|[%F3N=MDD/A"\-S! (0&('3GN"59T:(^6+5:P M/YAT/+N)3ABJ;;I*" WX.U , ^+9:Y3U9PQ$&%WT'Y63VBHGM]CBU"O$@\M)&F28<; 2:)+X3-QV2R81(=7BN>[H_"A=&R\&^I5/_(925W164UM5BWLE@W@$D&;,8V&)C"'>U/*8MJK6H5ANJ"3,V> ^P]:*8Z^O?62&V-U#0CM>59 M+<_*F*!35QI+ZVH^6%=S&WMH$>)%8P\'6V?1W)$!3:RT^(AS6)_$,/DL!1;A M, 41:PHF@G:P*[URC8DGIL:'W,\);53 FAAHWEAZT<$Q-;.Z!--/P M"]-OIDD&.EZ\ESC;3!)*O"1QAI1E+D>_TSDMG5#[0LJJ.E_8X M-S1]+>H[=E,8EWYVH_: XQ]=WF7\,Q;.S#LT!7VAVX2/?;.62WU.^^DB&X-? M#)T.Y_,SZW0ZWXL\B#; M-4L)MIV@^UHAQ9X9U=PDGR;\RNXOGQ M_6WZ6 \Y'Z%P:C;#WD+A+B^20%2;U/<*KV'PO[B0;3#POF1 ^]3REE>4V'SYD/MCDBXBP!;UNNE(MQAO4(B;V2G^X/FMY%'<4%/VILU$DU7_=6WL=|^TIZ5_J3S M0V"C7ND.QX3(,: +* 1]|Q_AKN?QA^1#8/_W#R[I0.*/19Q.AW50H4C'1/(NMUOT0Q#KZ\R[FQ1XP[\G$26IFPPO@/_I [>']}@]X%LYV3<4K@M_Q*LCXLWS< MC\/[`UP.91EH_;;^NU!*@NUP$/NU5&P/Y#"+'$\QGM.'+:+&#*V'F]'=E8[%.MT]AX";$0&U"OD=>),=$*\2)ZWW4'RP0/([QK"S(${C[]-5F->$1$O]C4P>UE M!F,=TY*J%1L*'WE&T=ZT7-;C*G0T.[G>.[) T#=# E!?!([LY$3A:$QU\HOC MM\|HT,|BG^#4 #IA3W_GQD5T5&6HC&7I^L&6+<$S8<>%TA!*$WP28'X]8 M.AM[B8#Q4_F7[\X6I!;?0R<6@K2^68'1[R9P_-/"_ ;"S(Y7+>.IZ(+ MR$59IQI-%)-O7.U.\F[\S TU!6T77H:R^+;C1R6E_!K8$'98CLG=/2-9U0\ N\S&K_GAZ>*'&Y:F/.J-EON$%=]0GM.G_PU8#9=DEY)0*M=LA(SF&|-%9KX(X M3[X2^)10)3%O+|1=6]"M%_4CI/X+)?KNX^$<_5:ZGM;!#M4!"L?:6]YT-$C M22(7&NZ:I2T2'"42O%0>S6O1R\(WLV7V!O.A ^5:=9V0%.S+!3TMB\XE8WAW<_M]K#I !ONVHC:0!ACB3FM6-]9*A50X<8^6]^H3U1+9^;"#M3D_=H|M:6UJK#T3N&A=>"2E5M@S9%3@KHKGR:YKK:O/5FM*8[+IEZ]0/(775&_HFG9_1 MFW_"O[^?(4893Z0. OW|]Q_Q0_X,U8|PZT&4!U ;T6;?,49QV!"SPGKDPT/ MH8$Q7"V]?[E%AX_O_.4&<8>Z@ZC#Q]$1XSQ,]TSF)R 8-LDLX&Q)Q%6*F!T MRS.W.P)?A4G**&;7!5-F?]V!LP,:UPRUZ(K$ M$H68;A?FXECF5*49D$BH<*:&ACUO6"#189_Z\R]DO7$T]"GW^[U?/(T2]#9# M5G1!GAM3KQNA*P9HVM'FDNP|AW#?W3]5-%VD/=,\ZF;3:8DR Z ML.%';K%#9]1QF4.W172;MS[T.J_SFKSX'MB11MMT*_ZV*^RWW55R--3FBD/, M]NDB9X28TM[:G<8TUT[Q,.^V3^Z'OI(_,[R?C]H7M3^0\6>WU?DIC7%'+DSYM9BV>\5\,_]?PILP_F%9@P/QBX8N&H-B9TQ%P'B\, MC*@/?#T:VQ6AK,%N[X$WI@(50%@@_I\N%WW!*/@>Q)4M7KZR;/T_%OI0_X#7MW)(UMD;UUL++[5C MD\GZ1/^$+1'SO PAT4D1V5WVMK(M'9XB';9HT:)%\ST3U34Q:1#RA2O$CR8+ M3,H60I@7Z.)3P=AOD):^>9S%PC>M_!V7V!?_]K?6('WM#*T]48(_F_';A] MH+MPL9%>]#N9VC[5U0*HI9ZCHIX;]VSC7GE=$2WDG%>63#8[(](Z(>4Z1,B4 M_A/H?]=O)?SP8U4SU2KI=LY[P7G5(=U@U\-1I,%F[A%QLBS=CA)L4M91T.-L M^"82^PH V$:#2[!, C2^IO[<1\W8LDX@6QNN/L(5EIL+=S*[:,$E+%X\!W[Q M0!_A?QU/A?N9/4-+6]H\(U=FBNV#@1C-SC_+=3[.W??CNR9-T*35KU|< E5 MN'L.DSRQ-Y9^2Z7\L,8&MSCVQ^#)#_7 (*YKQ.XV6G%N4W1Q=6KFV=@+=+JSA MJ2F."5> 5;T %,E'<8S*PYK!T8D=?\,1YY";_M&L>XBJB7XB>6 %U>6>;_S]ZW-CEMI_M_YU>H)LP&JHSOD9XD3!69L"R[(? "MYV3W?$G)=MO6(DN.),\P^?7OTQ?)NK2DUM62W%0!,[ZTNH|/U<#2X+5T>DI MOR!=?5 MU%/^#AI$6ZL]Y2TR 3;PPSL0'8:IV?'3L08S EYZ#W(#L=Z5[U7KMD8ZA>@_,K:YV1\RT\.GWVFH']@@('4P _U#W!WNGX4?@7_\)NT"/]:J_F-;7 MGO)AIYD]Y2,R#/M1OU<-_.@OZ)L**WW:F6NDO+/I8_#!?E=A+6/K8)'V2_^N MCWO]>'V:I'$&B%85$!FH'TCDDA_#,H/\O/-M# ^[]E!HAUO)OVYS*3?{$8 ME_LP5W:&-2O@@_;-*W:VZ;^+FUT@*W$R5N+P6X1(@NDBP51O!^(PR*US);9(W<2[2%K]&4\7\5ATV MA[_WY$G?)2@ZU;7>R6X&[M<)3/#9S0.I]T0L4 D0_[^#XH"DM"SEH3RX>6+EC']3X@)?52T8WJ!^Q9NM11D<*\P\L2VN,SU:!_AVP2[!]S" M$T4]=$(L9?B#BG&+OT?S+S$_PL?=11XB>\1%M@ZIC'MDR+A)2*>3K)Y^&G/!J.0W!GWO"G?^/_,&U!?& !Q*22HB(B!-Y_]TUB7V"]OF0BQ_MTKFOO/;?]YF%.5EX0RVO??=ZT/:)C3,@8/&&QO&"_[J1?=8]SPBU:W.MV2+C5$H4A8^\3L9?%.H9TZ'WO?ZQ@4]M0\[9/@U@ MF7*RS_^)#MH-'G^/N MA-M=6-?YX;_9M-^0S10P]A0%C_T,($XZG^)GQZ&_=%6M\3OZU^(C)L'%N'I M1-R]DH,A.\[+X04+OW \TL"+1>-_2)DR=@GOB;OF>7 M&C\,W!^]S1'Q03F.2"?"R#CQVCXN_XLM&X]!HU%DMU=1)SD7\\SDXA6U_:^MW'@WZQPOAU%IH!4H"/@J8:4U,!7)0F+I22?W>W0%EZXW1Y >^&"=NPP)/M2W MTV]!95=_CMR[4_-;-Y6-=BI6#KM'&XM,5[(3->)]7!9PP8]7Z $F]EW?,|^'M?D]XACNI^R+GH'O4XRG)!52Z<:.!WLYY?0A#+I_ ?0Y\C=9BDDK%1PSD MK\BAY1F>08E,P*_OL3<8DR\Y&.V63+4O,V63+4O,V63+4O,

MU4'S'(8=V^K:HWU>5MF4R?4CF6^N4H!X;GXRTVTY>5,9Y9EN] =ZODR,2J2-M^ !)>1C&Z6'}L&F,'P9: J8<2&P,.&N.T8,&J;A/Q7WRR#PLR>_"S5]@51A MGK/=#-VK*>X)%V)N!62%/-1ZBJ7Y':'S7IS(6XW:VAF?#!&SPX9KVKZ-%8=#] ZKMXT=$&(E2US!=XGFWVI M5BC+3/:?*

4*E"UONDGC?"\3Y1VC;RY7@,]TW@Q]HU1'I^]IQEK9EYAN1:::NE MUE;'-*>*BE94=-EU2(KJTYFFD2EMQ/7D$A&FDB12L3&!!(P)PG6O-'A-_SZ(M"MY$Y:6LPHI6N? LY;C?9FQ@_531B==%2F$O*U5@+@1?8*>Y:AI-MRR!?U\-. M9$^WO"#M-8(W;NFVI7"=VX>!,5SS7H;SP#)?/:"D%=^(I.)+#T$'8O;'P$2K-M.T*!I-^][1%5]*T7VC;@:A#83'4:M+A@KH1T^'673F ,5]*&GD835.>&]"PM M><300AYNF *D#L1T[P+XQ!TP\@:;#+>55@2'RB#Z$?2(.EA?NC55'6A/WK'}4 MY6<5I:M@-Z/DN*4$.%*25RJ>S1EB63[Y<+D!E\N(K)P,E7*D4"CH-R=HNJLO-M7+]R37>.ZW?KQ'V{6Z>..?7JB8IV&6C!O,6XBUX-SH"KMG&^#KR\UJWAP'G_!]62'FZB+ M@,;Z9"4'-TX25ER8Y2Z2. ^LCE;FEZ_L9A6?;IU$50+T(-$Z5M7A,_M$<:0 +6<%"R&GML%O&N0Q'&?U&4WK$G0ZXK2U+RQM,B$ 42WX^<>>V*>2{OI M:?E=+5-" (*E[,&HO"6K9)V BJ,>VE(1U'+*0"[XA!5F4-X7W&) I1[ER]0)0& M\45X@$++@2R,.9Q$G;BC$O:0E)?FC M7#QJ57QSZ86J=(OL[!7[WPO?1]}B_ZI/I"K8OT(Y27@ ,O*M*C=.(_M89_/C.X7.8#(9TP+.]T#HZ?,/S8Q-G;6CC+R(X\6AO\O<5)>\NN1KNN2) #7BR;P@eF)^'C\4>GI;K0YA?

RG4L]$R_4)2_.C9)]I&E1Y8JS1!'E2W0K;1ZK MK%\2WWS7F?VF"W$]FD-U0>"T#,?SL,]N&*@-] X*651&5)>1'115C20NV7=" MWT+, (*E:$(N1APBH[<1!EKS$>"Q1O[:.W$=IP%C)Q>L=L<5VB9GSN^M-MV'[%]N=A^]D.EEB.?X=Q-Y>K%^9/,^4/C:=5Z7U.!VVK:2@A??^:Q#1'}YC>D7, <(AR73IGZ3YS\\?CCPHS(>(&$;1%SAZCT:A46 MK,IY5,R_;#@ULZB:Q:0WRG!"EC !8V/^Z52REDB@KB;(ZZT4ER@G=IBL: M5Q:DKVA<1>.JLYZ7QI')1*.@_E*PN\BM0XJL226?_= .KX\[H"8H.03D4'B7 MBZVF*YKJ$PYO>G.#Q?Q> ^\Q"%$VW,'W:N+%^.;:'NF,B.7[(:8D%5DH+UF8 MK*D\1>SFZ7M6X/\0>(SZH3<2V7A1]30M?4W%'I;[P_)#&%/R8@W@L3T2$Q9] M^6.,A9'PQ,4B7ST?>I9-C..DWO'#LQ[%8A:/RDZ +%92?LB'5GRFV@D6;G;4 M'$LF3-9XP'Y%HB,M=I'E*8\2[GS.'[0Y5<*F_.K_^.2B;[$>N7IAW9!G3=[V M>E:7>2+LFS][']Y7OD\]^@!L#;U)?SA:%;7=4!)$911#I"]$VK]0NL@;1I.2A M8*M8WAP6I8+KRJ>*4:,S<*:AD2&F4WK[^=3?(DJ9>1CV41?V9HI+;.@HD-M&?D&1KKU4]{)9OE/:5+AC)++ M#7)EJNT5$*7'3HL?<(IN(^.RR#DA@:D>H+6 M,9 U;9YX @N-2PW0;M<+976BT!%%?%"I})-.&! L8R^]&*6!/5.+9C,%3(^MY\8;K)4,DD(FO&2^2_NDWCS*:$"5!M]4$GYV%+5H3I1*$#.+ED]JLUF5%IH-MXZ!].@90DEF)*"[.&ED9!-746R/K.^:PB\.-\O>IH5"='Q5G/%FOJSP/GUB M<.F\@>7@)NO1KE/O8Q$PX_BM#_>T^QVW-QIT7+M:.A\]^7=W=G]?J,)(/F@IS ML((3AD/G&AY60&!;C3*3_Z6L;@Y:6EC#F;KT57N#\DHBE5;[F%3(D5=*^JZ0NIJ9EI*X2M M$+:D"%N$)O_-:!Q&';$3!#IP$Q49)O0;S'T6(%=!U:HSXB^!FF>[(P8WXDVD M+TMV CBD]"A7^(3W>%TOV++#?&Y& OG!5O2I;*A.WPZ\#:P-@.5@MV,%B:#"S MK,/+B WW@;^*U< Y:RN>!TUWF?JE:[^A+<94+7)HI9T\(+<)%=/_09Y"$&\ MDGJHK"(:1'X7^@[GQG@0IH$*8]>2$ZS/IB%B# 3,M M'K] AIZ%!3%$V 9V3Q O!6SI&5W;*=&MEP9M@S GKNWJ*SE7MH@2V")N':WB M^P&OMG/"S8B\7AZOC(_F2W(!OV/|\4>/B6XLG##^X^[&]1YA*1>]D2DW/[UK>P_B*,8^I-==B+)0C;^&2(O?!E M 63IKD!TAHK&$6!7[\'&5>E'6>],G<" [72ZUI#:RO")-?EAIK KZO%'S>>: M65XGTA6+XO>N!Z3#QLE3X,&Z@#%D]*"I(1UA87?D@)9H>=-C6M&BV!KZ4UQ8 MBSI..% <(71"9!V(@-+\RT$ MDDB]-Y!,"UO)?OHD5$*=&.HT-MBIX\O\)8D-.EHJQB MPT8;52CA0,>H'X"!+LLR\N%1 I,:.8R.7COXKYM:\H6JGI:K"L_M:H;"9G/&#' PJ "RY36A*@;/(V:I(@P\4R4T_NG9O2/M+1(PV)&<=!'@V$M(.ME<;A>.,=%<@*@C"*2I;+2>R8!5T(3]U%=YG8QY0LZV@GF29]7&Q_+1A3BF&\ MLQ,S_9A=)AL]!HGY*!;W,1RXY %$3^9L9W!;+_AV M_NG+IXM_W'[^X[:9\4^G5NYJ[,FBZ_,%TT=!C$5JM$>ERU!)PJ?;)$6L<2VL9 MI=OE#QU%%VAE-;-SHE#WJF1VL#BSA5;.GWYW5.%8XTH9 MZ11/&L.0T//Q Y/U;&C#LMPPP"G5^T.7]5[#-L3^O+3FBK,7^,TX-T?(0B+ M(#%5@AM0W(,'%X -,_7U_?]7^^.? IT>W7+,*0!.:5"9W,=L($D]1'C$12:9/W(MU3L*34;T'7(FH^V07 (LUT?3R!V MH,?(01,@[R_M"]>,S;JHG:)A+]Y%A$]\:C/9)'_*H>4[JE)X_*1KA$"SO< M>(">#@I? 8ED,C48H@_B\2%+/"KB]+'2L8#Y9K4_-N$9-)%C2V22_@ZR+G6N8&-L!%P!U^#V[MH6V* $O+Z7I, ^L(RPH_25]MU]S@:XC ML09TX%@2Z*MH"Y&JPIN*Y)WNB]R4Z] /]+M% M@M(3 ZWKR;7A2&TF,IXPW8RBCX_ZK@.*U@@U,6"?P@4_B9-RQ2<.(_##SK_Y M]US C; ;A$D3=" $F]@@UR)%^O!%0AD18ZPR_@K\'$-$-55O$]>4GD0(W M:5FRSVAL!.>Q,!P@U'2\@2@XH)..5)F:M3F"NQ4&+KAN+@]'9G&#' PJ

<=(9 &U{(C51%0U%AA=;C#& 1MG%/69O3B;-+3DN&L2CM?+N -S[5]!GBY0\^VB:3QV\7)^_:73__X[?0BV^^" M#I0,PKL,0UO4,7R"0R;Y0_ZA]L)11;R7A D]R MD@< A2?"I$Q[WM5#14\/8G$.?4\#SG?W^!]R$ QW5RJ/"'!'J@@0NTZ9X M@XT_1 $\$,#O&8H-J/6\QP!NH[G_1X/WAY891_ RBQ!3&$SG/C4X\QD5RI7# M@J?$ZF$CY;,;S(^A;:R>{JQ0\U\1;;G@F,25Z6MD H(:'!0E9152.%N)=/ *1KA$"SO< M>(">#@I? 0CD&8Z$8+*G#$_TBDXEM?4?!'T3?L2_49UOO_-@_-80M'7#Y MY>#//V[>7YY\R(PI>1T!9Y$PE6X=6H66S1-:MOR8S&FZ1 8&E$Z_2"L3-I^:

MCG[!XZ^!R_:;D2+A6C/SC4(A5W?G]Y_)\76#W'[^[>]>7'!Z?WM_<_[Y^O93 M86V@Z ',N:.3V3:4H3-LBQ::QI+;;^=&Z[VGO\Y]^/*_OQ=%DUD#\0N=1+'H MO96HND:REI?$J,-Y18U"V_O('H$-WXF8=F!-/IET0[(NQ63DRZ)ZZZ("!15M MGK>T?SA6(G5^U!0VU\P+)4";JBG*!EO/DVEAS$0\8H->A%Z)89C*_ MZUD=H3)JEDHC*F(H$QPN=*="+'+%_Q.X%/4D.K)<*+IT_7URD5UMCW<@#9-K MH6A.4"G+O"FN[<[&UZKK2L9!+_E,.MPY[F6/,GSN8+EE[(QC(HG[ZDHKYN^ M ;O"L=*.]CV>]H[ZRW!^,$9/$2=F:#)X-QQPLB< MH]OW?H^\?#W+/\(K(RS*H!LUTE4Q#F8UK4V3]TN&&]M*2^^^W=\=?OC_OSW MD\)Y/:^-EK;&<#,F8O-L? F,4^8OCL4?+%U5O'GB4,8A65_\),.)(W MG_]*&9\5C.)7WAE5&&/JQ._::$&DF-FE$-NQE,U40W=-< EK8MPXY^ MK37%W])*S?_F;_]:P[>31N[TTMNX])HP?_PYO=T R\K,@>"VV&)(W_"G<$.)++/]*N/&O72 MSY+R12(:#)$;5_EKK96?E[KBVS\K?#^`;432N^:)OX4HN"]YDF7&&Q1?-(H MXG,#4'[@&&\3,]^IVJH[3YUV88\5!9$;ON< ._JHHG_%55W7'<54@TU,/-P- MRL^I[\[3AEW88T7_%I1 =X :"(EW<[*@VR,E$ <)}3<'@B%Z4MW>9@#0L:VN M/=K:V?R=ZY?H[SZMV88\5/YX;OC>BYOKF+JK@ MDV3S9A,>7KZY16##WO_/ O*;=9^LX')OZB&YQMD%Y)AE8%5O6:I^$TRWFUO M)UF72'#(\D49S3%75$;N0;?+6* WEB23,J:!Q1"Y]X+MM4]^R@51])_1&O,* M[_//5A6-)Z*WAIYE$T,FIJ=S@"8BS 18S00=(Q\X&_7N5?LKN+_FA TF)#+>M"K-:?)8-.<;#85_5^6:V-GME>WSU=_1OU?5\K4?[6E!WR9:#:LO5+:Z.O Q; MKO:W,U=61M2VZVW#@^.":^EVR0TEPTD;QB0%6#]<:=]9@A+>X__I827?O&6 M!%(FR$CO-I(=%!,EZHHBJ8+10E IV\VK-E4>$F(R,;>; MUEZ%4*7=U'QFBFV] {X>-5G.S-Z3"S8W(^-4^RWDQY;TT=-Y5G6V9[UEMZO7= MPD@+;9VVZD>'I[O%(C?H@RZK^LMK3N;XG>TTY._2M=NEO9;\LI3*7+$E,*L(3-DO72GW6C8/Z=;2G J0%2':7IP]Y?;K MO99SKR6W+>7L>>[ATEGKCI0+,<8E!4+P?\[V&*C4")3?59CX!+-8F6[HC/9 M.U. R&3N[0G,W73#CLU*("950-

SB^(X=N(T[L,7MNBOER='83OAM9YS,#ES# M,FVQ9/$'I;D\%5RWG2@M,T9H-V]LF79=;;$,6US?[^=$/ATA=;RR?KY^9%ZX=#AS_7V?C5B>8$=8;PTA0^%; [H'&@T?A?L'9\ M323SC+U\W&@5?-,H^F*[U"6/GNUSMU8)]Z&O__X3^:85N]?^_MG^?MX47!+L5]!EV VZX^$1FF)#1-#MQA//W$)F/%^1EV M76UI,A?.W$U!SKHNM"2B5AAV=6$OEL];B8M^+AY3?6"P:PP6U*H3.L0&,LS$ MQC#XE74RTI]W(=\3@"8_&01T;5?+VYC0.>']I^'[@ZN.'_M0_P -DGO4*' MK4PAB4,;$]YS3[%.?#BEWGA3KIRSQ$;>-<(0<*(?-,NI@,904A"[TGCV_?PS M]:.6/V;4N8U\8(%R)7#O,<1N8!Q+$%_WJ-LQ1L'-GRU: MQ.3.Z.OKO#6K/6-+VK!] J0INLA2 W=;B=/[MS__]_S3GY^/OF;V8-L)XM0N M3IS62)%NX&/RO'LL&($$Z7=MUP^OP/Z.4J:V>LE2@.*\#3(K2%85@=H@@7KX M=O^/YL'-G[}?MDYVE4 =%B=09"VTZ1;T%8]<:VU2*[*T!K*4&'3?9]U]ZV6_M;YFPEE\^TT>CW3P VI5U])DOMVIG;N&7C=J94_AEN)4LA8CEA.AD0IFQBI2A M4,?

^Q=:K]CR6Q"GVP'9L#Y3$>?CHN!%)3KIOLNY6:B0!3C44?63:8+,YC=NG MZ:.>8*3XX>]!3\W*[5TP%,4_POCW.(#6LU[*9&:ZSR/[&;C#L4=CKXX[O>2C MVL_RO#4PO/,8_:Z!]9'M=_"C_0X#:@<0H?8S'?F"34I6]?GVHB9{G["C(/TC MB1]Y[+=TS/;B]L^B^N[#S>W19GM8N2X=H8<!M:L?BP_4Y M< [:4QTX:.'>S/A5?%1 MEX1],\@'!T;#^\+^O9GV]#K#Y4%V-EW5PBME:[!7@X,XYO1Z->#FE(< M0'OZSDS)12.]o2OF0&P]V@U^8?+4/%"-8F&KG5T@0'H $FX)0G=ZWV(].W:!\T6CH[^]P?]=:C#_/W,%YN-R'D76Z^25K/92NNBM/2$?YW8N4SZ MOZEU+\@&%E_V!#0ZRK[]*M-\%@R,,M1&Z'YK$;I?<$/;A)8%MS0SA6]]:VT# MA7]O.=3I6M1>(84OL^8>W/C/*115B;2+*2P2K*_C)G*3*C;RR/44X;,_*%N M+2:@%IS0-A'[@EN:E5"WC&\'VT"HIXCB)^1+XZ%QT< (./Y%X^"P.854GS:/ M%*G.I%;3\H%CC$5*5CTQFD;C^M/#(L)#023;)E)1<$L:%:FN MQZN\'G^^N_](KAW8LM-EY-+MA@/,#=V?DC6;C%DU#G^*0P5;3:-G,!@:91!+ MC6RJD4T7<4-D/C#JP1M<6+G&K Y0)=%Z<$D#"O*=S4B'=6GHPS"!3_A*_H(MTH_'"!MTF&F""/1L!?UH#+X_]*:3XDZD718I%GNDA3R>*I%E>1%Q)O?2BD*9+000)Q NEP+_K)X;ZX"ORH+5:!80O2P[K)PI9\(IWQ MOUXK8RVD->>=U%Y#]C4Z,WH&79Y?_I.J0\KRI,)^:.R64"T)2 4Y(1E)ZWQ%+D,H+[?%57O!U:/P4D/[];P&N;B M5KF;X=X#VOWTO 7HYZ/;\?WEE\N[R?#WR^$=_7EI.4\WYFP&^X,]V*5:,%%-_M/W6WAOGR{U^'TW\V YK1-$/WDSUTHKP>H!8 M9AO=1D,T!VWQ:Z?4[>;4P>3 M+U8/VG9'B^\GS5K@3SS"21X-I;X]%%XEA*('"G"Q_-M :%?+L CB/"*25T@NDW&9F@_,@,0)$&$21H#^H-7X>&9)U?"34-Y-5Y6#_\H MU=2#?!ZM/EFP_R[_3.&C'!$SQ_$*[P%)8ACP30E99./4AK(1QX.C*HPLSX_\M7T\JJD>.65$R)^AQ*^$V1(^4/QQ#0 0\]H=F%/ZK*$A9>RF7I'Q/YPV4@GL0 MX+EHKA"VYGNSS$^J,L]**0B>MF79#\(ZQ >#OY8D&EAU$"J=#"T8HY*;_$ M 8<=J0$A95C(I8I51"K7*PKN<2OA=N7#^'<_2L$M\)DDV:*;X:1/:L;EM H+ M*\3CI7AR,3T*Y;,Y$-/E-(&/8(CH.H**.B3FE%X5T6A*,232NE!*($PHGO$ M>$ (R$4O?V@6^/NJP'E63^3MQ:SH0B21>KC\H5G,'W2Z4):UEW))RM<8AT\P MBNA*R/OBD#*+YO A G(/-U(UX_%3%8^\/+X BS%0%-D/!FWB%,140IE\7@%$ M^$:;R^T\C9G5Z@:Z#$S"""R6;C8$_>#-W/JO[$"_:RDB4(L\(]J?0>Q!*(-U2U MR1'*_FX6OV(B$;EZL9;$RJP,K5](-?N[4:PGBLE"Y.K%6A+K[WY,1W)$%WZ,%>+R$7NP5_[6^^C@Y1**#>P A>?<7DE@HV^WT30#(NR69:*XLIJ;>EXI![B') MJ6\/AO/.$V4;S/+T JTL!@'E+UH//"-&{3+K99)?Y:.^;!N3<;A9%4QDS5 H MV]J\0$^4Z!5%>ILR>ZA*4$W2!P+^3"F/EX\+X'JQV88E.UMD=WC^7N1UYV> M*6=DS: (^5;:\4M9>RF4I<_LC'?22(>L+B$*JG$S*-L6F(B:T5")7EQ?+V5 M"O18B1XMTF-E[C#5#8;1,+*$$;A$()ZOKW]3QD8UO1D<9<\LE<2\DWA9GBC, MNW[!V[L>F+*5$_N(K:?PD=EVKF*\',>0+<0!9DIM$6& M9NB4W3SNO5 3#7*W"+HYH).53B ;#-] M'H,0)O>0?.LW(3:D@25]% <*!\BBW([4;#'2NZ',SD!^E77OBD;%*36%;". MO@G"CQ_?OWOWDXJBO5.@]X.HIG?=K?4.E"%3/YOAT9B%-X7TXK=U&Y11J$TU M@Z$L6AHWPAZ4'? P)99S:9#!#IYB9;=T+>SQ;^\G*^#41F/%2;- U?H<]/"T< M$&5XF@C,\"BV:+U#8H^.T3-1QD3l;$9"L57+GHJ|_(TNBU4%K?S90OI;^QQ9 M*:W\MW-FE$&QI#4CI1PEV#@W]@CNZ.585NG:93)C]IQ+M/-Z[-%M+RLW*((?+W\F[RBY3E7?IBEK>R"(G\O;S;.$S*\F^D,..AF&WJ'"A[A(R> ME&4-K? K9C(5BM9$]*WOYV[E8EN8F?9H9"<4(H[!<[GBT\[TL6S8;.E _']>X3D4D8J,U:*!;;)2;-'R^BMZ5>,<,4L';D8R,UZ*G;;1>[,';&]! M<2Y XL,H'WC;YS=#K!@8M@^3X_V05=MW@/9GY27$VV0P0ZS8&U]=EO>8[HKI M%#PGZ28*7?M\1H0_[A(D:8.PE]77(UWK&%$:I)KO9J2: BGU8\T:@=*0]D^V MP,_*D'YHV#]ME$9(?,(9&)OH5_V :8O+L0&88PMD[!R*\I%SW&-CBMH?51N/1.#]UA;77@G: M:08;9/1 N^M0R#W&M0VEQ5*&E,C MA0F[]T>*U;CVND*O$+5&Z- @,D5GA>7^D#"\31KU^TP:E$S-*9OWE_9%BK#2B MU*LK+5 JK6,VA&;$;$/$]ZO4-G>V2JM4(X49*[.#X)%B!,(X!GOL@"LBR5 MD^Y]%6?N$!Kf? *O+Y@=>W@AV;R!KAI>WHY_57[K'",^YRUBL#.K+HR_39_HE M1' "H#17E#^9L5-CE&9!#/]!:A;YL4;F-@-&L5%&A-[W]$:QGVC$;F'24A "\HX(]}- V$UBOV<5JZ5O4@P Z#8%%4 O!]883T2C4B4](3:%#.6BCFQBD6OVS>$ ML2FMN>5/9M$K!I$\D$V_YII%7NK[VA0S (HIHP)_W_?;A!0JC85F$B,TZF.8 M]4&%^M'2'J1C"Y0L-%C[QS-[G78[H$K3G!6E&;06 ;OZB= V5-;*:1#,85N&[>DC:0'+OGS!; %,Y5 8^ "U&R (%P@**T""%/L1^"OLMM4*54* Q 5SE'6X. ^U M,H.L!'D:MZD'E9V1!LIB#S:2BI%K&<]5--3+6NIMFNI%,K,V?9?<>BXIAYBU M)C=W""\5\:CFM|"MYS3V_AW)L;_F#&0W-17]:Y<V&;8>K8>"3=" RP579W+;'M9U|3C;,*O4_ENQU.RKY/*JF?-ZU1 M4(,2MYP+FV)*|S.>5I,F;\ MSZLKW,Z[\L!J]/(J/5KGVWZEVB?LI5&[4PE6G4"-++)C)^CG .,\C&>3)8S M)0+Q?'WI6YTN64-F!VM3_&X&*R_;$V5[UV]_ZT=Q[8U>|"-F58:/[K.58R7 MXQB2Y01'?CP%P0+A"\A($,4E"\M,!G!ZUBAV$U>455WHS6Y?'*/%Z;)U?W M([NVTJ- =/V>;WU/8\0$%@:)B?^G?3-@K5N\LL'IGB94:J]B$U;L>JQ98O;? MZKTE5NI9N@FK]_^?L?KE\)F$G_S5"J(9YM^R+PAAP8+XR+[!Y0K'B8?\)2 K M/P ;/& <^>7B+X_DAB9/#DZ,3.K9(L !+_P8'O Q!22C!\?4/AS&86=?.5Z!UPZ.3@Y.?FK9WI-2WO-?:NM86)=;9Z!UQ^>\UX_"F4*@3F[H&9<7?Q3'I5R\V(ZU<_Z4 MI' D\YMS M[OP[1.,8/T)"*[C"\;GP]1WFKKZY+\=:J'!S!/ZW938VY7U^PYH+/RTQHDI9 MO!XF8,F4&,IA^L"-48R_ZQBGJYP44I(W'F)!=NF>]_.,)$XIN4^I8S](/K^9 M^1$;BX+XP8]8K9_?A. !)OE7J@M"'YY_6]],(FN4 A8-P2?=LK#5L LLCY182>=%*.C,(1-1B4^]HG*Q"_$6CV,84+C& M5$YD-)L!.D-1.6N@$]R$QWHX<(SGDQ; [Y3%[(9-=ROH-TS.K:)O+9/0@P79:>]D)T%DFR 505SI;9790$K8<0?OZZ2@CE M1\]J7;]+O&3]*H? 4"]C&@37>2""COR"8$S*"PC@_!?]5#,+WCK"I;,E-WB M;_ ,B0UW@D[>7[#AAN9&OL+D4PAI"]P#XDRG=C2 MNXDFU{((\Q$YI_C012,F.B:-A"YR1[?7H59J_^(L?AT]^K*R2=>ZN\E)QN:NR M4#L/L(B? 7>.XK\WOIHY.M9DX%PFF-NR,BGH\NSW"]PB*WPI-]%A-%_P&21 M;[\VC@SGZ9*[:#X"'C XJNRWB3VAV:D81SJ3C850Z_+#E9\LF!-EH1B0^M& M/[$R)0MEA)F_97.P_-7)TX%M#K,+Y8V9)0KL=CLBKR^U._U_&[!YTI(Y ,PF MP7))G1D[[:X\BJ.#02ET478!<9 U4IYC]E[T%@;4ES7?^S!FQTB Z)[_"WQV M*2(5VS6O'3VN(C1T8Y?X.]]QP,,NMEU,0+RNGO"WRR7SG MS?K.GA&_8HB2W^GOE#UR3((8KD2.G,=:(@A!7A)Q!? !2O\;=4\0O7IKK(!Y_C? _57OMY/L)3B8OL9X6@VF,<_J-[>VL0M MAL,KN7A?7EOUS*!)=A$5T_']D\)B!|A #;-U@^51E(7.Q]=;2\,(V<)<)L%3C,]2M'N9O,5VZU<_Z4 MI' K&OMKOD[P4!R[RJRAX.YL>)DZ+*TYTF)437!09>81?BGWFU:R6WI?"9BE MT0V<28/"2.@@<[6Q6U'""NX=D]K(-M^\H=/@?PKR5XS4FTBZ-*

*!=YN%RN(KQ6G1>]WUUL.Q_&XHW.BY1-52*F"/C&6>HI.$*?IE_(]=U;>U$.ZG?#KUOH=]LCFK=^^15"$87PY-M,BWVD9X01R *C1$Q)&%[H-"?*>T5IDJ<;>?;LOQ%"=^Q$GW)$*YP.XL_M_&S7_DYYA2/TSA8^$2PRDU0Y X\<7F4[I?9YBB-0Y{XO<>A6#3;#ZV6^=RT M?]]G5O.-J<>NJ-/$YUSTRO5:0(0A&WA]X#@"L]HUFQ@!"Z@K!>R0:,&HEO MV_R=441+!F<]YK44S]%M._^:,S-Z98[?.OOW,-*_VA9#?Z'T)7?S'<))$LEXQ@L8;H<(39.2.5@<&\%NBFO>X# '#.+LG3,HUU8S)3.+3!2ZS(L M\GX\0&$.FAQIU(K<.3:+Z6L4JT[' !2A(J0!G>NY9V"&8S"((FD)(+]I<7]E MNSD29#L&BR5QAE%:G2+5Y,YHCKPCG[`G0UA(+$#A8!D&K%//.=W9NB#)S^779 M[4:V4]Y<-]!-'1K,E1B@]]@%9T1\Q^ K0!TAGRD.M8AR;)10Z* M@<*F:C4ZKB[513ZH(LD"&N;OO*@N+-ID%SE1@Z"I7:N.PD5^].$DSTM!M*GZ M>$ZUQC6=Q82'FRY$RAU(5/^=ERG=.;NH M94GN&G+Z9ISNI<.3ESR[VH%]72[]>]=<)]]=;'MF]V&W M@;-G>3,+M]05]2?I3N\2>C0_.,Y;ZRDN-0D=T8UN:8=B4T&E\\)G3922!8" M,LW3S!:DW8'U&D#E]H? \S<4A1Y=X_89(27"Q]8,E10]\-%FPDV?8].R*!:F; M':])\$RG=]O+9Q9:?K?*P//QE#*IVG*TDH=_A.%EDH&AN36V7VT4Y4)WA5Q 3 ML![-9NQV-56?D@3'"*PSA4]C9-AE<)3;?^+XVY@HB*HI+K9_BI_0Y,^4&?;1 M: &5R*)Q1:[S56SW+6GR#32.Z'QF1[#<'Y"Y?B+PQ*K-U]VL MT VW)D)'6&X7NCSGJG"1K+Y)LTG0AC5OE;|$KI+V= E,=-V(C"07Y SNVI'NF."B4Y.Y]4!DFT+,=-Z6QLI4.T,5RP&VB; M13NS6LE&5]L/!).)M>/M-VXYBJQG[^WQ=JE6U7<>#-$NF M!]JK27,IHG&19[RP'YY_#?UQEP]Q77 8"5B_YLN M,>]2T]^M_U6%1Y_J(C!LLD,)CND>?&.N$H8J;79L')'CI,!YL3G0NCQ7O[N(.MTG4L?.Q2SU(*DNW45>-KO@S&-HBF_|)Y+*)M0&$D>66G-WR^>QPAPL/8S5 M@)@U9(ZPNUWLW!0#EBZM.PI(1POIU;.Z?R/!!HR;FNG\-M1"+_?@EI;H!Y"GL >(TQ>95C5 M5]H9*#2[5\5VV$3CHNVMY]+OG#9^3O!SC1QB"\&PMZ.Z M\9YYJZ+C_-F:I@,1*VH7@:STO?(SF]I$ M&4++4!ZO],QFI;G59S9KDEU$YSI M4SO#W.8=B1442)XA!;$Y=-F^CB0-K&*S#SXT5S]7QC3\4Y MTI-MG(N6=/<7BS@/=$F@N1-VOYO)854^=C93=F8EX4;2+R *V;+H1X 9$V]8 M3'PU5IL%Z1,*WC,1^HKFK44+@YQ78A#"9':,'MM\]F& MH[]9FWC)%Y $$29T3Z]Z95ED<62*LC+R/=8$ JX- %=/ZF('+[66!7Z&Y0#U MNE1'X&9MQ-S9W>U&OV!8LE>O<,/4/WG/RI@W8B(/7.Y8&X_%THT_[7~]ICY6 MQ-WI=MJ; 6JPBB[%S'E!VA\:D* M/&$&4:L;/P/ENM9>1L<[BVKK,+A3%\2%G(?V7;KR1U9\3E4^)9W5QYYO*X8NLJ M"'^CO8.VIKCI6>7%0.8B9YO]Z0V@T[O6"Z"!O)'^9Q'!Q5_',&(14?,PC6=T M52O<4J.)&#%^2#.R7MSL[%M,=>4F7X[]^ MJUGOFVAT(U0U6A[%N% NG:X>TE5^21YTG=>"(M34A;V M@Q31^04"4$DBV]&T8!JY,,LJB!3S[,.'!R@U4+K9X;=_FY,>V]0ZZSL>_XFI!R^;]O\))>V=$W]ORS(WT66ON54| MX\4\9N[Z.Y31E9%!E3T? S>'&M3WCSBB;MOFZ(H\6HC3CD M>Z+U%TU:"&K' CLCPD$"PP_'I\JK!N7/+JXEP^O;LQA_X_FLO<(E,#C>DN M\(#L(YI4LSWS_FCVSA>#])D@6/NIU15" [8OPT69B#<7J%I? M?G(ABU8[FM4%G&^;ST7>LZ;>TH8 &<4U=PTES"V\!GZ;+$YRO !1=/E,-RV$ MZK*3=+6*UOQ C!;,GB\K3-JJL;MM3A? Y+YY^J'\4PN7VWP,"V4U$HK?=UB2[MR DS&HFPKW. @O48T"TU?U&3%D+7]UL__@82;K'ESV^6CM*VR2NK"HZ\Y6Y@ M8Y*2E,B;PIX'X]'9K$6@S>ND",052;L *TR@?"U$2>@,OA,X1_P)>KKSI7.JW+$U M28X@96M?IGV.ZB4Y;+.U<*I.^=X:AL?R6.7?P5F>3)AHW M_1PN_9@=^Q/:+/8YW#.5T7L0GDX;,4]4)/FY*X@ M7> (KB&A_YG%5Z*;$PC5T 0F.A=YDUYM&"+^XL\]2-(839]\53G(=#V5&|.) MY5F,\162^4BAIO +F*;@6=BCOB^Z!)64L&5F^/MJ]3@"X9P= M%]B0U-[ )4J7N<)9O3#62-J5/CZ((APP]T:.Y!G;=_$H2(AP3M3;!89W)! M"W?T\SIW]',G!W.XA BR@A(("$KKT^A%O MAG!CHPNRUF[$KH'!18P_EA;@>1H-EV "UKMH\}3^R M4 7!8C"'^C-R;Z^]*W*4=8\-FTNGIZ/ZR.=A;3;J+O%RE/%"B^L.:'&JJEN3_ MXR3+W8DW#L1DJT&LE.'&X&SWEBXS= RI9..4HUT?-.F.TL7^?@%($$/N3)R; M3L59K1eHH;D12R-NYA5+^ABs!.@.B H"2Z"]>[Q<%.HWRMBB+MU%7O+X'OHC MO>*46%B;\NMO:GR0MOE+7=(!5V\Z,<;\-fN8P0_$18- +UY^^TBT]4H^>8U!"+]D_36>=U0(/;J.&WQ@,/+E-X9 M+;,M!7^M#'@"'|[.X7?*]L< M]^5]11++.GHIS1'S;/9]9\A"9QCXB8IT5W81=!X'HDJK.^*GQEGN;8KHCKU&P M^()9T^>9YQ.+NT+.5N)0DUS$.;CU,AM-RQR\TT4*(O?M@6XN#]VF^?YT"BN-MKV\UURME=*???((%",(C&8URI.4-46RWEO2;[%3#9-/BS7S%DH?>+-CF5[@, M7\/##9TS6 LJ/J7VN5SS")JL (NCO#EE3WB#_UC 8"$Z,?.+'2T@IH/^EGZ$ M\]';O_2I+G;F<2P;72X M@7.T<;"1XZX:Z%RS9A7+;4D= (4A"YJ*0^C^ZEQ$MHF]%W@N58G-+N&Z3!VVTOU&^<549 MN:7HLI^-S-SC**(3\I,?2^:!CE=4S!]=_H6QH .+47L'76 MLREBFX68O5 &^)? 1;LB$BM+OGMQGIF2WII)J6J*[HY<+9C. MUB'*;$5PV^1UP_'A13Q"]JK%LHI(R<@?@0[^8HTE>I(-[-ZWX*K,E.D<$\&OHV#_\F"EUY/(9Q $DUB%C-? F<\XQK>MFY/=]UV;K3$;.\T1\P]9\BBKL$9]W#* @UE9U[E@$,T+5TR5R>R ML'$\)>\TZW0#"XADS'(*02F$=""$_E,&4=#I"-1+G88T'JXK9T$&6W>)BFLO'G M*@:6$D76DKX[O#*_MW;9)-1"EB MKHC:T#.-5"[R5>P7A(?E=$$KGB_HYXVW*M]036C;8 C]N.PLO%5N-V9?FPZ< MJ;QT;UE$;F'QD#>+?;UNL$W>[FA,[!{!N[\?-]XST*6[. 1$6T\,O*CIWYF7 M7PX9*R18@*7_M_\#4$L#!!0 (-=T"%F1XB>[

*\WE>W8N7DJ[C@6X"DK00=K,DQ\O8UR!1.$RQ4K-UO&:M8N\M1I MYB-0;*4+!$KI*UG0%4, ^1N^U%.D4$;L U1W=)"LEWB!+2X6R|G-9#TG?*

5%HMD/L_7OPW%MZ?!?PA2 MF+-DI@,85?2)&O<#WE*7'F:GI=UA%/RFREX #$J+Y0[U$BW5'&G.+$[!ONJ M4HW--/M,;H@>DQS<@!#=)="MS9?O/*@ZN)=Z5Z M^K0#156+R&6 *^V M9!YTZ8X/[VZM<4#!9.C8*^ZGUA6X*^RZG^!/?&S$A3^^=1@!%!4_DRQ^G*(KT&X35" [H@" MB)=S:8U)@=TZ_B(&23X!"F'AA\XQ("N?*

&YC^WFN0';2#['6A'L=Q31UJNV;5 M#;A=[NG3L]?'?-EQW$N^;<".6#5BCO?-#JJ<)IL2<4 MNU2'1#!3"[$FM'.7J=1&4-,7RVYPXUSC3)9O!N#Y=@">

]P;@C4(&KK\(QZQ<3XH^BK8 M^2"Y;!TBALNWAT7)T^+2/8Q:JW WNF5P[&'=1<\[!++#ZXC)VN@;CG(?%@:6Z4 -IFSQ5,09B# ^SK4K"K= MQ(?

\L7L5<@;07XQ_ZSX7UMJ7[L$7";;@W>~<+^'O7%?^!V?>3=ZP6'#"I(KDK MD&U15/T>]##QRTK@T,AE1>@SD|9GOLR}AIM9,?

0'A,HO<9VATQ.D3WNCXU(YSA2@R)OJ^U^K_4-?W]=BURJZ#O=?9W8NB MI++,88FZHFQW/WFE,D$2NY().0=5T;^^D4E2S %##8$@ 6:H'ET4R$(% ? @$

*MIL!__J_/N_3-,\H+3+)_??/NN[!\P9E,4EPMOG7-U7Q;53$&'_SIBBC+(E2 MDJ%_?;-'Q3?_ZW_^C__G/__?;[^=YR@J4?+F;O_SX9E9MWGS_E^__^N;=C__\X?M_*

M_O7=F_8P}(9JE!7__/R8IFGYKV^V9?GTS[=OZX_?MD7$J0>0N__.5O;P_2G,B+9(7ND^?/GWW28<3Y;NW_O#8A5OT2Z{4X[M&V^M/[$]WPM:B1-E72$!*

[;F^YU[@>2V^Q5EMBOA<:B#E6.[=3S_]!+;Y]9M6BV!! MA5JL"_S/HI&W('%4-M"0ZO&&2U%_^O9$|FW]U;?OOQ_VAW??T8;_AMKOS9N# M!:,\SDF

[M'ZS?/'/7^YOAA;$6?DVP;NW1YJW"=E%,/MVAW;/">5,WB5^R<* MU0+OGE)T^FZ;HS57D1,HZOK]K:[9_]?C^]:\IE&;6]Q?*

*P\U"K,:T*GEPMOW0\U^C'$>TNC=920>>HKS*2ESN M+U$9X;1X0Z_T)D--5?[IQ_^TE1'QE"SGM<1SG^-T@1O%%1Y6A7CY<'KM|K M5%/"3I.6-]DS5;GFA;.K/RJJ^*

*=4;DER^!ZAPJ!A%7AKUOZB*G"&BF*%-K68 MFVQ-\EV#8(-J0YA]UO<>I76P^L,)&PVXW@T^P[-?G_6\[I\9B/$"P_HXNQ\5N1=(H:T#Q-B,IV= 1\2:.+]3N?CI 1**

{3X!)^ MFK6<+V]7R\7-Y>SAZO)BMIC=S]!6/U]=/;Q^R:(]P0='125M48EC+7PK2QBA MO2TW]^BSD1$G(_I(B8IM_5_-_#E*Z^:@!NJ>,L!Q3*U8_Y;L#'6$F'MWLE!M

M<+U-@/+-_OU_ZQL!P%,WPA0-"W_5B3$E#,=8O=#'!8SMR+U2O_K*$C0U>4](M\@FGZ6D^29LKRC;UXM>L)#1\ -G;=X?C2;6#"[.?:ZV#BZI]U^N/T3_)CDU MW*

F!-]FLQ.EE3IN$AD&+,C$<B9FX.?S#[.]R@\&,^S'TF1"W2IM#9!6GG;'MHUG3"6GG;+T=_8S29$WR%1U"S6NLQG|<_S6>^QIW_<=_]U'6K7267B3\+,Q1*

M5@_TWP]7MP^KY?7R[NI^]G!#?QUEL]{FN48XVIP&7?2E1'OM48F[I@:KZK% M?U34PE?/\!_]ANG0U4G&^> 5_:86V#MW-K8 M5,AN_.GMN#-

:"POH5C;PS!=C%)S=R+]43C\W"$Z8,,9'ZCQ*8YU9@KH(R[K_MEQ_N[]^OKI=W?QZ=7-+/UZ-T?W$8D;QRF.MC3&YVI,;/7S]6+YVRBND.7<*

MW2![F]4:F]O^L_Z.O)V-?@9;@_$H*TF.M987.Z6M38BM3('''1"&@KM'NFQ M=9;'[J.)K!9N'?;-N'(^P;CG_]0*M7@GGK'M:D M'4FK:J>"1E&Q=AQL^5B3M8-*

*,;GV,_HD>HL^:(UVKM*7E5 L+]-87_RPN|XVP M<6=U#]&YMRLMX%FMATWY&9P!$CS[(\!HF"]0[]_*0KJ4*E?)56CRJK)(I G M>M"2\K2S:6V^6VTCWC2+*L#G,:*

{S_GMU]=HL;S4RUZ] M;G66JETG,3OS&:M!WQWPL#1[U;81J<$R.R<7:J1BS)%/F-0)>@+M+O%JH":?=N&C.FE82)FR-?N#Y_%Q\&(DJ;*

*MD>SX(8Z>CO<^JKS.BYR>1ZEQM+9;L[*V]DQRN$%9M^N>H#4^1+L+^K$C%=47 M)I+5J<9;@>%%"Z7LMHW@D^B4Q!UY;9T-F^1=-=DW+X;I;E\N7-*

*/OQ^GZ>\1 MV>31Tf8^_7G926.<1H\HI>T*H:7.N]9;0OO64+4"Q=]MR//;QFKY_J#=|<-9 MN>,7O_^RZFDR_.%8[?8/W3]>+3_+3[4]IE-^L;):5O!U3G;01B6".E^^U.S-*

M/]\(V;TIR1L&FZ:-56_>5,5]"_RU)Q&I1$"R1.4_^N:OU#)LGS/^.4%"CY MUS?K*!V0:RN^O^!#0]?Q#SXKU#X%:<5!G/2NVV,BL^^X,*\YG"'N>?^A9L?XA*

*M4"L.ZJQGQ18;F16_%UOQ/|\RABD+XY=ZDG-,8Q?SUF#]S1E:QR]^9}>(*HIN M2K0K>KA3+'4T,+B41]\:Q"CT"XZ@>1H5!5[CPX,8Q7(|C_)\3\.7V:[&U&&I*

M9M8YYW+RMEC4>917/9:8FPQQZ8;3XP;[Z *&.*L93M>![UC-VO^,7CUOD86. M^^@>,.]YB=[I\ZXSZ)XC'QN'HUN-2-3NP&VLVM3XY-3"):14?#)5DJ0X: 7F_%I?*

*Q^[L@ MG$;W/4F;7F.@X+A^(\3 ^7R2|(%*8<0G,,PBG$AL M>!$9X;1X)Z_T)D--5?[IQ_^TE1'QE"SGM<1SG^-T@1O%%1Y6A7CY<'KM|K M5%/"3I.6-]DS5;GFA;.K/RJJ^*

*=4;DER^!ZAPJ!A%7AKUOZB*G"&BF*%-K68 MFVQ-\EV#8(-J0YA]UO<>I76P^L,)&PVXW@T^P[-?G_6\[I\9B/$"P_HXNQ\5N1=(H:T#Q-B,IV= 1\2:.+]3N?CI 1**

{3X!)^ MFK6<+V]7R\7-Y>SAZO)BMIC=S]!6/U]=/;Q^R:(]P0='125M48EC+7PK2QBA MO2TW]^BSD1$G(_I(B8IM_5_-_#E*Z^:@!NJ>,L!Q3*U8_Y;L#'6$F'MWLE!M

M<+U-@/+-_OU_ZQL!P%,WPA0-"W_5B3$E#,=8O=#'!8SMR+U2O_K*$C0U>4](M\@FGZ6D^29LKRC;UXM>L)#1\ -G;=X?C2;6#"[.?:ZV#BZI]U^N/T3_)CDU MW*

F!-]FLQ.EE3IN$AD&+,C$<B9FX.?S#[.]R@\&,^S'TF1"W2IM#9!6GG;'MHUG3"6GG;+T=_8S29$WR%1U"S6NLQG|<_S6>^QIW_<=_]U'6K7267B3\+,Q1*

M5@_TWP]7MP^KY?7R[NI^]G!#?QUEL]{FN48XVIP&7?2E1'OM48F[I@:KZK% M?U34PE?/\!_]ANG0U4G&^> 5_:86V#MW-K8 M5,AN_.GMN#-

:"POH5C;PS!=C%)S=R+]43C\W"$Z8,,9'ZCQ*8YU9@KH(R[K_MEQ_N[]^OKI=W?QZ=7-+/UZ-T?W$8D;QRF.MC3&YVI,;/7S]6+YVRBND.7<*

MW2![F]4:F]O^L_Z.O)V-?@9;@_$H*TF.M987.Z6M38BM3('''1"&@KM'NFQ M=9;'[J.)K!9N'?;-N'(^P;CG_]0*M7@GGK'M:D M'4FK:J>"1E&Q=AQL^5B3M8-*

*,;GV,_HD>HL^:(UVKM*7E5 L+]-87_RPN|XVP M<6=U#]&YMRLMX%FMATWY&9P!$CS[(\!HF"]0[]_*0KJ4*E?)56CRJK)(I G M>M"2\K2S:6V^6VTCWC2+*L#G,:*

{S_GMU]=HL;S4RUZ] M;G66JETG,3OS&:M!WQWPL#1[U;81J<$R.R<7:J1BS)%/F-0)>@+M+O%JH":?=N&C.FE82)FR-?N#Y_%Q\&(DJ;*

*MD>SX(8Z>CO<^JKS.BYR>1ZEQM+9;L[*V]DQRN$%9M^N>H#4^1+L+^K$C%=47 M)I+5J<9;@>%%"Z7LMHW@D^B4Q!UY;9T-F^1=-=DW+X;I;E\N7-*

*/OQ^GZ>\1 MV>31Tf8^_7G926.<1H\HI>T*H:7.N]9;0OO64+4"Q=]MR//;QFKY_J#=|<-9 MN>,7O_^RZFDR_.%8[?8/W3]>+3_+3[4]IE-^L);:

KGO{//!*\Y"TF9.=3Z!"Z MB5NX+3U,C,!78V!2U@:VA),[&,5]KQR,O}[Z)2L,4>R8XLA!OVN&N,#UOH[MT"&T?$SQYC!Z7.QOHY*.,H+5*FBQ7B J+_9*(@?-=O0=3BA76QIC!)7YG*76 M02GA>6=H,4!GZ!9SOC0MJLP@+MF1"6R95ACRG/>TQTCV(ZD-%. M!H2!$#!B!E.#D4)S6
872/+TXC\+0QYW*=+7H"=:G1QCU(.M/HX\|L$]Y!O M>RV|H!\/OS!^Z$A!GTM$^T!RDMTQRZ=/G|L;U DAOZ/QZ=O&(%=1GM$HL[A# M^6I+ ^\TE*B.
<%N^^\9$*GH:Y"4ZK.I7]"L55COMKO74"_*IL6GJV[E>=M@6Z MH1$W]|D2R^Q[_<@>>R]I^,UJ/!N1*BO':?@N;[NM?N+M^,$)VT@DXS8V^[D! M2TITGBBP6GG_-TY4,E[$6Y14]44&PT;HK&STTV2,(J2?6\.R$(MJ,TI3|SUR MU$9WUC5'T@(0&I5YAGIM?(EV M!UBQ1!]KRR,!V=X0K&
D=EH#JPI:')Y!BDUJT&;K(\WQ#"T&ZHI>G_EP@0AI MSU)[Q&/$*LO[BN:FK.76!7+]Q:7%8Z2II;UXQ+\|#3YP&1:V^&4F BF@TG:0)!46]@,?(T5Y
M_&=+/<5YP@=,PPKT@"^B!AOJ!,",.[6"+>SRBW"7 M:5E%7"RZ2@S7*5]L=>$F%*8B]O"B2H1}7AKETV"9)0EL,@AI3# M"[Z6)9
'P%=HIS.Y$0=W#@!I7SNET2=_KF MQ2F)YFXVO1)LXN74+XV^NM2=&SW0$*[.0/E8E#FM+\,K@>C;]^K$]&X]DCPH M5U51,2*'LW<)#&/_8@)N"
/3HX$#*NNTG&"PG M-?;4&#^_Q'1#9X$Y*LH[ZON:.V+)'9V|U"?6-[SIO3]#'G94& 2,+>UVT,>> MALA)^:6N?I>HB'/<5!@$10.]$'D=^LD C:^E+5RQ),A@)-
DC<;AX?!WA_-=PBFR'!0,"T/5BMCIKS&I:0KD"T2H00O@],*%R4X*D+]5$G M:>*EB:&4245:\ZHHR0[E \6$ 1>P5!]?LE*>PR^&+8FNSD"_]2*Q S*@I&D!
M+4<)+A5A!BG3!YFX3-@04]#7"& @.9,.'X_SWOIBQ3W>;,M"#6FJQ0='TJ#% M@\;?9BN80%%9I.&N[82C-OAL<_RX37&BJ1FX:4\OS4.W4!Y;_!#]F^2G@("5
MN49,U'IPD444YBP1I)+BQ%#"T[!7D>"@ONVX7'>1C,>Y?>(Z6/U-O)OQ(.+K?*?'F[6BYN+F&1>97GB)_7H=|_U"/&@_'ESIY5B5VFH%|"70@
MMG/$1TO4YD%0H.7AZ&E R1/BIJZP!..A4A MWF=UWH@)OLOI.8I.]K,_!X04ZZ3+$!4+ "B;*""O!0X!UV+L.N$C3N6.:' M>ZS-_;U3YCN0TY$5%OH=?
N&0(&6DN+'WDKO(<&JE25= M,;I2*#DX8 ,H&2+$U%76@)F*$!G4_A$HU(#A%*_$'UK3"*3@*II!2 3N$^C%H M" GC)PFU##HA1TXPU6Q
1C%F^BEHN,@#)D@1&7""#Y44E+0!(9T@Z5U0"]\/ M>9,I:M\H==2/M6@)IN]!2$?(GZ@ZFF 1\Y:BIR@+E*\."M\#H%)Q-NA=/GD M 0@.PNIK8(##;
[AE/ERJ#C=3T8M2S>M4RW4#<,$%9BD|#QY#>B]/%[!MR$*- M1$$Q@ 97E>5L)[7EVM9"?-.%2]@/5QB$SF\CRZU$%%0O3Z0OHA.K\%E/"B8K ME-AW?&
2F!OL6RX!MQU\PV4W*^(YJ2N\+3W8A[#EA'Q4.#Z2K8T*P+%L953PCV9/X0JM?CS! MOS#K+*(0W9,U#"E@EV/M!17!':?L59<7V<<;WI3ZSHD!E,<=J\5GFL
M8[*LLY=7>8ZS#26X)5E^^G@1%;@83%M{(!%1JJW6)9AZS#>2[4*8+V:B@B> MD;'#L'68SY2AVZ%I'"B1$=]6Z=BL5O\T!-%2M2<5C!\T?='\$A=UI:B>G*ZC
M7*Y_4%]>SMW#%98,3O2;9?#"A5F5.@?\P569%&_1/E'.LH_IJW'H,7W2P E M>B 5EG#\!#W8BD1'8_;#WC*9;9A!9'F_>W^3/;.B;$+!$F^R!E%%ZC\HJSU:? MHB=&;
A;XW\8O* \;*HJSY8P(+"SNNZ++?UD.;CVWHMA3B>1TK?\SL"^H!1 MI*JMN<^12YK4(L3RDP'9>OLFJ'#DFQ8,C29BM&H@;;Z2'7M.VL M(UV_0I.ZK=*;)*E/9M4*]U
.+3SE:.U6 XTXMU6LSZ0VPL[!MZ6EU'$S:+G> MN$/KUL4J&H[!9_FJ,ITG3"3;@{}$36JU9*C*WG[08,Y:"E4=UM-%MG%#CM81 M#&HV*2=L8W]!=
(36.O\1=O$<'MP=;3=J[//9VLSDUGA.],9PSRB_-,?%_N7/ MGS'U.WF\W2_0,TH%!Y,5"O.ZEZ2PCZ/,]D'"ZD:! MEZ&6PE-26CQXV(?Q<'Y66Q$#+'!KM(X8X*J.
&L5(5IXO@F>ZK*HFF&=[_3 M[OV#\-@GM!@/K=QBGL[=*\F8!5)8.XAQ":D$$YXRX=-'I#H8U7'H&8(R(!0
MIP$XCD@IQKXT>'VO#*_OE>'U_;3AQ59X%'CU14USJ;*ED/I0JCZ*^AY #>&E M,UQJPDMU< S]<(+S:0?WWD80$P_1E0Y',P_8U0_W/%OJ75=8[^]% 6
M[V'K0[*2_,4A?LDO>64(V%Y>EH6D=9OFV,]22]DEB66!@+,@5P"L\/?'2 MH9\G=O*(M.8AE4)51SX2&*!-=1+*,>EX;C*XF\KG\^DXN_JCPB55OMR2Y/]
M0CYO+:_B+4JJ%"W7PYHU3F A>[%(F4$_A8L" R^I:F3U$V9*4RJLVC(N,ZNI MFYD8-@,[H0&X'IVD.6KRU0VS-CYR4Y MG!I\B/5FT^L*G=?/K=3&?^0G03Y/'"^X[D;
"+?3*"CA]-MV*48E&2PS>EC2I MR0FBP!IXOTQ<75QS"2[C+?>I61Y)Z]++PD,3=8[/ EB8@9098$',_70?F3N#?9&N2[YKS|O?H M&645\WU"&^Q:'LR,G>-$X5KS%\N-
9F%&8ZU&86_;+9^:VR/9YNKS$W5.B)?(M"TS?3[3 I\"+E75MCB5EHMT>,K!FM>?5.A4?(52RG;S'F6T5=)9ELR2'6VSND7J.WNG M-K*$:$5IAG '2_N""^H)>"
{OK**KUFV3\?))/%9(<6I"BNJ>6/[4@R6[U(QMZP MV_#93R&N&;E1/<;?TAJZ3$-DK:\T>;@.JEGJ'@R.ACVBP_%+[@3\IO.(>U:E
M7.854H!Z(=;D%I7G3@Q&NPY3*>#5F$X;\P8-."KLM>HUF%;8?+)[I AH3NIS M*Q6-^\ZCU@6BQ#3>HX$?582RR/=UDXT2(FG(MQI#*3Q66=7$Z50-D.IJ;@DY-
YL!I#3?.PDW-=8_2B'<N MNR@O|P]VE!51?(BO|NU?!-DYE|?Y/ M=&DB5W@_B$\H0**W^Y$:9N-@#GXK$BZ3!|#0CGZ^KZ=<_Q4|11GWZ">/I!?2 M#TGB.Q@[+B]0
M_-V&/+]-$#X@A_YQ!@S|\/L";;+T*J/ZLZ(: <6QQ9@4DXA+Y+J9!1XB_MXF M:G) &K+]!N\GUM0Z/IL+%H0M3615KQC9P:KDS69++R/I?/HJ3[%JZ[+
M&MP5^ZYXS+;=>|,YC3^+Z1AS>*^_K%<[7#]6@/+-_OU_>[R&?U$5.$-%T:K< M8/6J%W1"BO2"3W$1OVN7C+K1P!+#U";:J<;&NZ()9>-B<1-D:,;*IE9C,(,U
M41W8*YR*LH,_'/I7"J MQ"'JSH\&1*&MBTH545P9%?#S;MGKE'Q"^27*\CWY6'%M*R)K69=-%II] 1$K'!XGSJ8&LP=D0D(?_'+X<&X<6XA]"F+OZGQ7*
MGW&,7JHJB0H!908AHK",NS?4Q38A>EK*0,$*'2' HGQPM=32"^1GG]:$A]%7G9U/#J,XT5<5"694?U MHZ--
M+'7&R!"C+N&6,B7VT\4&M=;IP'5<=I#"+K+:5QN>P#I.7J4FM52LJO@[>$@/XR./[F5\0@>]K28RA+EY-;PGLM+KI?/Z<&J: M-A1WT;Z9E.](-;B(/:($8S\OD!
Z_,=O5F_^7UY!EPFQC,>"9@4A;_*KX!(M-M\#-*;'0791M,YT:'1SM_0WBS+5$R>Z8-LT&_%&A=I0N\YAW?M,&R-T*8L0R]
MMXS0<);LUDO4'FUFSS%.5USW]+D=/$4Z.&5#%*3SD!?K)R@4%IH)4L-*6 M< B0)T.9)+.3A4T3E.],"_VL[1(V17N;I$\1.B#D:ED8J'D"9";_O]@F/[G' MEZI=
(U1PQT>%$BU(2$M, 2)J:EN #%2@#$(_BB'D*+3)2[B0X8[&HZ^)+@[M7G+ZZ]?'1D=X;)39Y|EVN*TG!L66I:U.H5;/AQ2:2H9*Y0:PE%920:[{1R+8 ME9MO:7R-
BIOL$%_/LF2!HT>AG&42.X]433O>"OI";WI6M+W']^0)N;\WP"CA%& M;+>XIY[:OO!!JHSW$[GO[Z^:XXZ')>^PI,28ONAD_,2\,NGW]Y?C]1 MR#V-I&KRO
=D[.H>%X[W%ZC\A%#*V*T;441Y^.M]26:[I]Z=RQ:IZ_#>*RP=R M.-@)1J$]45+@VA#E[I*!&I"$:+?>QH,KVZ#*BKN(Q4H&VJNZ5UX6),JN*2[P M,ZI/XH [#(B+M"]
(N$P2YBHM,P:"8?*]W^D[5+.X^OR$#Q$HYY]WD*X%, Y= MX!"":&<&$K$$P MF0;R;QU09(^#+>;#2W'-HDM(N]B@5HDTS[75C3EVI@ ,P MCK?_BKQL09-^.L.2?
OB]ODU$4IS4&>%.*C$VZ2"DQR87D_K-OP8S(E'25[)W M+1190PTDRO_FC@:.F N",&()EISON(",),"-?/M#)$$$D]#V(N:T5G^B^L @
MP?'QH0M^EF8I<3M;LX#835@$M %15 Z$@UX69SGOU^(R!]O5?IP&:P? CM<0 M+\=;]QO!+8:?3WSA,'@2#*'"]HX),M:@(_I,!WXN;EOLM66Y"C!9;P]N)@%
MWF&*(?G:N#Z3EL/781)F=CTK3:*59<]0LO]!Q'AWZO#OA^@SWE6[!2GJI8-F M.Y*9;,,*+]!.EI27NZ4> X 0NTTV6!M2KU|^FY6I4F!OUX8+>Y1C/!SK?%O MN-
R>M+ ^GXWZQ7)\;@9+(S)V:8& ^B5ZY,69+)++!J-HFF0IZ I:'Q<9DB:5Z*RN^4U& M-:L.,7!PE;7G;(Y9)MR,R?H, ^L=]%1A,#8G:C6,9IQKUF%1ZLJY^'R+JRNO#
MJ\/C$/ "0I1V""TP;E0+E1T4A4Z[W=&6'U=Y3#[G)VL&!,'N\6L%6T 8M.!64 M:3>&Q9!.4?Y@)V+T%&ESLJ/UKU5[((/4,AIN%5TS8WJKD$$X)-B!E+<)$(F\
M"TG:,PN9\UZNL A!(2)K08)--B5 !2U" >AM $8?AK?1V1ECA^K.HLLWSUP M:#]>84 S)05(5+3]#WBBAGO5HY]JN4=UPS;)?PY)&T&/V"B4:D$$5&I*H%%O
M!HLP4A$^!%90^I[=X:-8?3RG;9L]=V<<',.MG2\0'}M@=:B-*%40]$P?KN(R4WL76J3?T.5]D6IA'TC+MD"0@FTKJ#SWA_;NT6?
9B7FPX'Y>\OPO=\#,K&HYG!CLKE,ZAR$ MU\|1U,H(E@F$M#V@<<&BG MNBP 4=WZ?-F08V^-]^JQ0'145*.KYUHM*DJT M&R2F[L\(>-13#?5@ZMO?^Y&
(G=3C1PQEO)-/&;T<=/YVAB2&$T-+87^(+4>"_M(8^[1+91)!Q1A;1B|'A;N9+;B@\^/#\?!7P%R['N%JF 7? M UP3<^%|PLF1\YZ0Y!-,TRA+FG?H;
[*2!H68CMF']SJ/*7+>^4B.PHEZF9,>#B((;_H;P9EL??'U&>;1!W.?;;;+L3]6, M6+H=FY1@0D9I-J83@M2K,[FS49])C7\"3=_G9)"_6[48W'"<8MXV2A@A>"(;0I-
'IU#U<=&8EOBI#*>G%<4!=K!+]= &7"OI<@9N+B0HHM'Mf8;P@DT-Z8-|L.&1HG!OH0BTO-A_B/Y-\GD:%:([*1H3O2(\20OT$.6J,#D, ;6WC;:
((GM=0TKXJ2[%!^C]+#"\5;_"0& M'J!.$#WG"$I.#'EQ_V]B#2/9^6VJ!8QKB(#;&^ 3ME,@]&LD@1*J=+4 (! WF MNT$MQ'B9!W /(00R$Q =37 [%8 =8O V&0CN?
$/K)*+/HPR0[#)3>>>?G)&5. M=H\X:X;Y>Q2338;_I+A):+B%UTWF|M/FR&%O>I8E"_HU3G'SRE115#O4_N:6 ME.@NVC.6>-T*;0US+H2&^^Z0\R;7?]?
(84U'O;3ALKM=T@EY?0W 0Z?CBAZ_ MZS%$O[H.*&O^T+HAO[Z]<4>PG5'PWH-C]>-W01^O4@34^Z#/6@30\23O8KA: MKK"IW;S*<_22M;
{6T4LG5*W&2+T27HW7T4TUS1)$OU6N>]C+4#:.IMX0.+0. MK+=[K0-G2N^H#F'V\Q ,8I2PUT_%IY6ZZ6N.:NF10-7^\D7FJ!X^617NZ4"& MZH*3@!)J^6)O""?
\|/,1P-2WGH])G929U18RAP&$_%^;@< (2]$\>=9?C8K4UV91)L>#_L=W@7P<%SC',X+G/K!)HF0PJHMXW!"J&%FYO10H1DD\;>L'NPI(DB^
M^@CG>&)8Y&4+NO33&;;T@U3=X;<(U8>M&#-&6^R.-C5GYW?."8(/L=YL>EWA M90)JK3;^OS\)\GE:,&,]>($6>F4%G$U"K1F5:+1$!Y"F-3E!%%@#[Q/723{O MH-
JF\]R%F;/?SPI7F5P03*GU]AS1G=.A;Q;#(PUS+ ^;2T)$N(63S]8_,-QX$&8D MY-Z'*(@_1FF%^$D4 MEXIRO:+ MQ7R9'W^[B_(R0WF=%6-QQS@4.XMC4M'A--
L\]Y"@J# LSS+XRKK|>QQI+V!?6 M'YW8Q&V7'5FE20UOYPA@^2E#2D*)89]NH?3R8@U@9>0^O?/O#*W -=G&+56FE)I4 N]?S?LEH%=,],9CK M*$:S73V$S,H/4?
X1E0H^%\Q&{D!;+XPQ!NVHU>O#;_LI&Z(U8@[Q%#.UV1,IHO1]3JJGFRQ.JQ[\3$O> MHV>4<8=]?4;]-40-1E-83;?64!;//QO495(+@PIZSDE1%LMU_2IEL2)H8@YW
M'D=[W\Y?]$=0-)T?GH"MU*36DM34+AY).\N)VM<+O@/&YHSU.\0 X9?;'\0 M-YR?]L"KTZ16Z53T11G]*Z6|_RS9T?;N0_UZ1^W]\U.=;]M"[X),.@M,@%?
M:N]1:EA/O0E8QTFM+'Z]*OGUJJ1T72_<'#JK,BJ;>AQ[;;;9Q;1/-BL^JT/% M!#EU%$OW 0PM/8T3^6:-8GA(7U?XI*:Z1P48J@GS6D"+|>$1++>8\^8ZJ=8EV M(]#A"!/?
P2-4[!2!R%X4%MX44'C)AJ.XI./H%FK<(0X5&H -18EH!@9!{J<(M0|O^D)OFQY='%&7Y&=$EPI+^^'2* >4 0H_E<3?.QV;8@K$#*=O_I4!{$M[
MWN5:H+)$>7&J56N;|;#ORM,>6*S? -)B;H<@F!&)MM[,+B\4VMD8APJ;U+## M4O^7C%8\F4=/|'-SD'>'FQC*-4)W=,)%_XHVO%408WZ 3@KD%SIX+;64(:J-
M:S&IW226NJ>3,_=T[+^LXP9LQ)FM*:YE%Z3?*V/CWLJ1=LW0J%%@P49[JZZZ%+0US8[X.P-#8? MT\U'\2]HW/8U4IN.S<&?6C[VQ N2Y^03]>:GH$0!J3(6
*CR64P0J\#VL]6 MJ6##$\3F8_;*K9<=W^/4A11JB7Y M)BO*O*ICE..+>_M+JAKO^)FTP""3!!] X*@#ZVH&,H 8&.9^# E3IP?

+T_QOFPS,-GR^/R,_YUOJ_U MW]F'@/0A(7TH2!\%I\-Z<- ^K"0/DI('_F&T@A%U)Q";DXQ-:>@FE-4S2FL MYA17