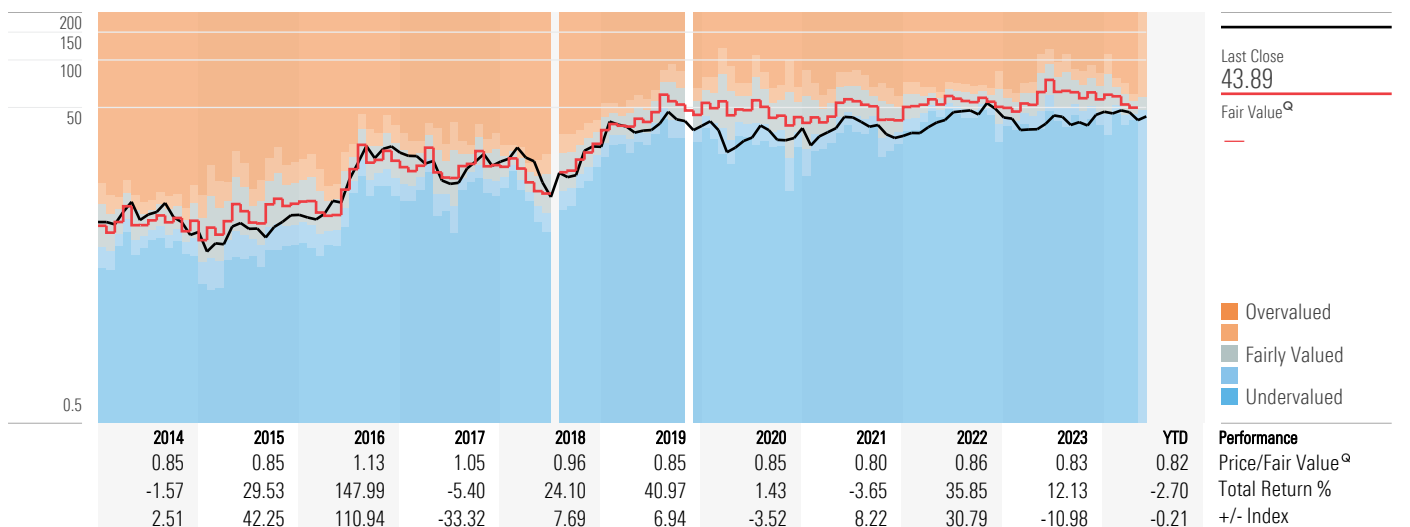


Centrais Eletricas Brasileiras SA Class B ELET6 ★★★★★ Q 8 May 2024, 22:40 UTC

Economic Moat ^Q	Uncertainty ^Q	Price/Fair Value ^Q	ESG Risk Rating Assessment ¹	Trailing Dividend Yield %	Market Cap	Investment Style	Sector	Industry
None	High	0.8	1 May 2024 05:00, UTC	4.15	89.7877 Bil	Large Value	Utilities	Utilities - Renewable



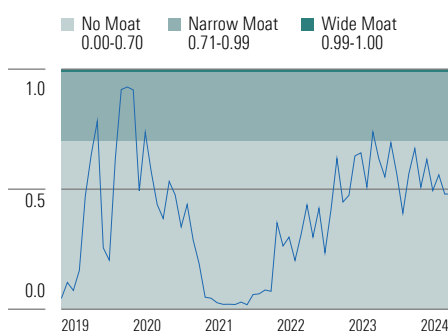
As of 8 May 2024 | Index: Morningstar Brazil GR BRL. Fair Value data as of 8 May 2024, 22:40 UTC.

¹The ESG Risk Rating Assessment is a representation of Sustainalytics' ESG Risk Rating. Lee Davidson, Chief Analytics Officer for Morningstar, Inc, oversees the methodology that supports Quantitative Fair Value Estimates and Quantitative Star Ratings. Mr. Davidson is guided by the Morningstar, Inc. Code of Ethics in carrying out his responsibilities. For information regarding Conflicts of Interests, visit <http://global.morningstar.com/equitydisclosures>.

Key Metrics as of 3 May 2024

Metrics		Percentile in Sector
Earnings Yield (%)	5.5	51.0
Sales Yield (%)	48.5	46.0
Book Value Yield (%)	130.1	81.0
Return on Assets (%)*	1.7	36.0
Revenue(Bil)*	7.3	77.0
Market Value (Bil)	17.3	85.0
Enterprise Value (Bil)	26.0	82.0
EV/MV Ratio	1.5	50.0
Volatility TTM (%)	22.3	46.0
Drawdown TTM (%)	17.3	32.0
Volume (Mil)	8.1	88.0

*31 Dec 2023

Economic Moat^Q History as of 8 May 2024

Business Description

Centrais Eletricas Brasileiras SA is engaged in the generation, transmission, and commercialization of electricity in Brazil. The company operates a portfolio of wind, thermal, hydro, and nuclear power plants located throughout the country. Its segments are Generation which consists of the generation of electric energy and the sale of energy to distribution companies and free consumers, and commercialization; Transmission which consists of the transmission of electric energy; and Administration activities mainly represent the Company's cash management, the management of the compulsory loan, and the management of business in SPEs, and others.

Valuation^Q as of 8 May 2024

Morningstar maintains a 4-star quantitative star rating for Centrais Eletricas, derived from the firm's valuation and uncertainty scores.

The company's shares last closed at 43.18, below our quantitative fair value estimate of 52.36. These shares have traded between a 42.67% and 9.41% discount to their fair value estimate over the past year. In Morningstar's equity coverage universe for this methodology, the company's valuation rating lands at the 60th percentile; in the utilities sector, the firm's score lies at the 50th percentile (meaning the shares are more undervalued than 50% of stocks in the sector).

Furthermore, Centrais Eletricas maintains a quantitative valuation uncertainty rating of High.

The company has held this star rating since the previous rating of 3, which was last assigned on 05/02/2024. The uncertainty rating for Centrais Eletricas has remained High since the previous rating of Very High, which was last assigned on 05/02/2024.

The key factors behind these ratings are the com-

pany's EV-MV ratio and volatility. The enterprise value-to-market value ratio is 1.49, and its maximum annualized trailing 12-month volatility is 27.94%. The EV-MV ratio falls at the 48th percentile in the utilities sector while the volatility is at the 46th percentile. Over the past year, the company's EV-MV ratio has been between 1.42 and 1.52; its volatility has ranged between 22.24% and 27.94%.

Economic Moat^Q as of 8 May 2024

Morningstar maintains a quantitative moat rating of None on the company. The firm's quantitative moat score of 0.53 sits at the 49th percentile in the utilities sector. This is a decrease from 0.87, the maximum of its moat scores over the past year.

The quantitative financial health rating for Centrais Eletricas is Moderate. Its financial health score, termed Distance to Default, sits at the 45th percentile in the universe and 51st percentile in the sector.


The significant drivers of these ratings are the company's book value yield and enterprise value-to-market value ratio. The book value yield for Centrais Eletricas is 127.40%, and its enterprise value-to-market value ratio is 1.49. They sit at the 80th and 77th percentile in the global equity universe, respectively.

Fundamentals as of 8 May 2024

Centrais Eletricas reports earnings per share of 1.98. Its return on invested capital is 5.5%. The company maintains a dividend yield of 4.39%, paying out 71.13% of earnings. These values are calculated over a trailing 12-month period.

As of last market close, Centrais Eletricas has a price-to-earnings ratio of 20.7, falling at the 72nd percentile in its sector (where a lower percentile means a lower ratio) and ranging between 19.63

Centrais Eletricas Brasileiras SA Class B ELET6 ★★★★★ Q 8 May 2024, 22:40 UTC

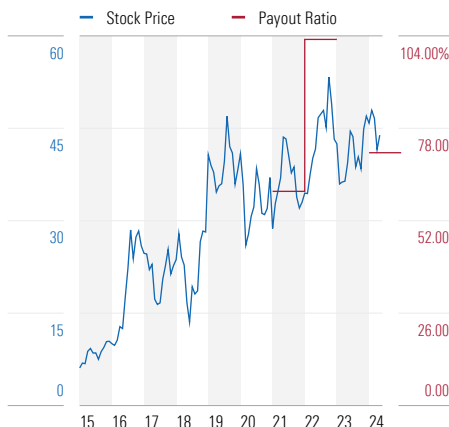
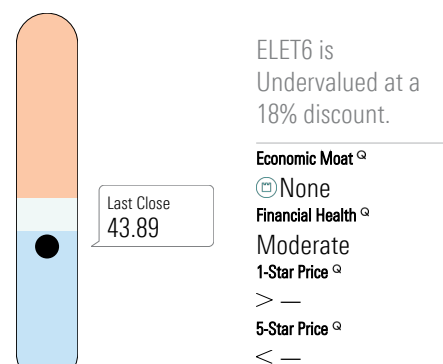
Economic Moat ^Q	Uncertainty ^Q	Price/Fair Value ^Q	ESG Risk Rating Assessment ¹	Trailing Dividend Yield %	Market Cap	Investment Style	Sector	Industry
None	High	0.8	 1 May 2024 05:00, UTC	4.15	89.7877 Bil	Large Value	Utilities	Utilities - Renewable

Earnings as of 3 May 2024

Earnings	%	Percentile in Sector
Dividend Yield*	4.4	55.0
Payout Ratio*	71.1	63.0
Price to Earnings	20.5	68.0
Price to Cash Flow	20.9	73.0
ROIC**	5.5	53.0

*30 Apr 2024
**31 Dec 2023

Dividends as of 8 May 2024

Valuation ^Q as of 8 May 2024

and 41.69 over the past year. The company's price-to-free cash flow ratio is 21.08, falling at the 73rd percentile in its sector and ranging between 8.36 and 27.25 over the past year.

Contact

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+55 2125144637

<https://www.eletrabras.com>

Financials as of 8 May 2024 (Fiscal Year End 31 Dec 2024)

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	YTD	Fiscal
30	32	50	29	26	29	25	35	34	37	37	Revenue (Bil)
-10.24	-16.16	24.21	4.26	16.36	8.84	1.95	17.11	6.31	10.16	10.16	Operating Income (Bil)
-33.98	-50.21	48.04	14.48	62.42	30.42	7.69	49.42	18.53	27.35	27.35	Operating Margin (%)
-6.23	-11.41	3.43	-1.76	14.47	11.20	6.39	5.65	3.64	4.55	4.55	Net Income (Bil)
-4.60	-8.43	2.45	-1.30	10.40	6.96	4.00	3.48	1.80	1.96	1.96	Diluted Earnings/Share
5,192	6,515	370	694	4,357	779	5,127	6,965	5,195	8,235	8,235	Operating Cash Flow (Mil)
-2.92	-4.52	-1.68	-1.24	-1.26	-2.02	-1.06	-1.19	-33.62	-4.12	-4.12	Capital Spending (Bil)
2.27	1.99	-1.31	-0.55	3.10	-1.24	4.07	5.78	-28.43	4.11	4.11	Free Cash Flow (Bil)
1,353	1,353	1,369	1,352	1,352	1,289	1,254	1,622	1,686	1,996	1,996	Avg Shares Outstand(Mil)

Valuation as of 8 May 2024

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Current	Calendar
0.85	0.85	1.13	1.05	0.96	0.85	0.85	0.80	0.86	0.83	0.82	Price/Fair Value ^Q
0.42	0.41	0.62	0.78	0.97	1.94	1.77	1.45	2.58	2.92	2.33	Price/Sales
—	—	14.63	—	—	3.97	6.31	7.54	27.75	27.31	20.70	Price/Earnings
2.88	1.78	6.48	32.64	9.10	12.72	—	12.28	9.41	7.50	10.53	Price/Cash Flow
0.19	0.27	0.68	0.66	0.88	0.82	0.77	0.68	0.89	0.93	0.87	Price/Book

Operating Performance as of 8 May 2024 (Fiscal Year End 31 Dec 2024)

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Q3	Fiscal (%)
-4.4	-7.76	2.24	-1.03	7.49	5.96	3.56	3.07	1.59	1.69	0.39	Return on Assets
-10.94	-23.94	8.32	-4.08	27.1	16.92	8.78	7.55	3.9	4.08	0.93	Return on Equity
-4.9	-8.87	7.7	1.6	13.25	10.9	6.74	5.79	4.47	5.5	1.04	Rtn on Invested Capital

Dividends as of 8 May 2024

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Current	Calendar (%)
1.63	0.10	—	1.79	—	1.47	1.79	2.64	1.61	1.49	1.82	Dividend Per Share
20.07	—	—	—	—	—	—	7.99	3.73	—	4.15	Trailing Dividend Yield
—	—	—	—	—	—	—	—	—	—	2.43	Buyback Yield

Appendix

Economic Moat [®] History as of 8 May 2024 (No Moat: 0.00-0.70, Narrow Moat: 0.70-0.99, Wide Moat: 0.99-1.00)												
Year	January	February	March	April	May	June	July	August	September	October	November	December
2024	0.51	0.62	0.49	0.56	0.48	—	—	—	—	—	—	—
2023	0.47	0.64	0.65	0.51	0.74	0.63	0.55	0.69	0.56	0.40	0.56	0.67
2022	0.36	0.26	0.30	0.20	0.31	0.43	0.30	0.42	0.24	0.41	0.63	0.45
2021	0.05	0.05	0.03	0.02	0.02	0.02	0.03	0.02	0.06	0.06	0.08	0.07
2020	0.91	0.49	0.74	0.57	0.44	0.38	0.53	0.48	0.34	0.44	0.29	0.19
2019	0.05	0.11	0.08	0.16	0.47	0.65	0.78	0.26	0.20	0.63	0.91	0.93

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Quantitative Equity Ratings

Morningstar's quantitative equity ratings consist of: (i) Quantitative Fair Value Estimate, (ii) Quantitative Star Rating, (iii) Quantitative Uncertainty, (iv) Quantitative Economic Moat, and (v) Quantitative Financial Health (collectively the "Quantitative Ratings").

The Quantitative Ratings are calculated daily and derived from the analyst-driven ratings of a company's peers as determined by statistical algorithms. Morningstar, Inc. ("Morningstar", "we", "our") calculates Quantitative Ratings for companies whether or not it already provides analyst ratings and qualitative coverage. In some cases, the Quantitative Ratings may differ from the analyst ratings because a company's analyst-driven ratings can significantly differ from other companies in its peer group.

i. **Quantitative Fair Value Estimate:** Intended to represent Morningstar's estimate of the per share dollar amount that a company's equity is worth today. Morningstar calculates the Quantitative Fair Value Estimate using a statistical model derived from the Fair Value Estimate Morningstar's equity analysts assign to companies. Please go to <http://global.morningstar.com/equitydisclosures> for information about Fair Value Estimate Morningstar's equity analysts assign to companies.

ii. **Quantitative Economic Moat:** Intended to describe the strength of a firm's competitive position. It is calculated using an algorithm designed to predict the Economic Moat rating a Morningstar analyst would assign to the stock. The rating is expressed as Narrow, Wide, or None.

Narrow – assigned when the probability of a stock receiving a "Wide Moat" rating by an analyst is greater than 70% but less than 99%.

Wide – assigned when the probability of a stock receiving a "Wide Moat" rating by an analyst is greater than 99%.

None – assigned when the probability of an analyst receiving a "Wide Moat" rating by an analyst is less than 70%.

iii. **Quantitative Star Rating:** Intended to be the summary rating based on the combination of our Quantitative Fair Value Estimate, current market price, Quantitative Uncertainty Rating, and momentum. The rating is expressed as One-Star, Two-Star, Three-Star, Four-Star, and Five-Star.

★ – the stock is overvalued with a reasonable margin of safety.

*Log (Quant FVE/Price) < -1*Quantitative Uncertainty*

*Micro-Caps: Log (Quant FVE/Price) < -1.5*Quantitative Uncertainty*

★★ – the stock is somewhat overvalued.

*Log (Quant FVE/Price) between (-1*Quantitative Uncertainty, -0.5*Quantitative Uncertainty)*

*Micro-Caps: Log (Quant FVE/Price) between (-1.5*Quantitative Uncertainty, -0.75*Quantitative Uncertainty)*

★★★ – the stock is approximately fairly valued.

*Log (Quant FVE/Price) between (-0.5*Quantitative Uncertainty, 0.5*Quantitative Uncertainty)*

*Micro-Caps: Log (Quant FVE/Price) between (-0.75*Quantitative Uncertainty, 0.75*Quantitative Uncertainty)*

★★★★ – the stock is somewhat undervalued.

*Log (Quant FVE/Price) between (0.5*Quantitative Uncertainty, 1*Quantitative*

Uncertainty)

*Micro-Caps: Log (Quant FVE/Price) between (0.75*Quantitative Uncertainty, 1.5*Quantitative Uncertainty)*

★★★★★ – the stock is undervalued with a reasonable margin of safety.

*Log (Quant FVE/Price) > 1*Quantitative Uncertainty*

*Micro-Caps: Log (Quant FVE/Price) > 1.5*Quantitative Uncertainty*

After the initial calculation for the star rating, there is a final filtering step based on the momentum of the company. We rank the companies based on their 12-1 month momentum, then restrict those below the 30th percentile to a maximum of 3 stars.

iv. **Quantitative Uncertainty:** Intended to represent Morningstar's level of uncertainty about the accuracy of the Quantitative Fair Value Estimate. Generally, the lower the Quantitative Uncertainty, the narrower the potential range of outcomes for that particular company. The rating is expressed as Low, Medium, High, Very High, and Extreme.

Low – the interquartile range for possible fair values is less than 10%

Medium – the interquartile range for possible fair values is less than 15% but greater than 10%

High – the interquartile range for possible fair values is less than 35% but greater than 15%

Very High – the interquartile range for possible fair values is less than 80% but greater than 35%

Extreme – the interquartile range for possible fair values is greater than 80%

v. **Quantitative Financial Health:** Intended to reflect the probability that a firm will face financial distress in the near future. The calculation uses a predictive model designed to anticipate when a company may default on its financial obligations. The rating is expressed as Weak, Moderate, and Strong.

Weak – assigned when Quantitative Financial Health < 0.2

Moderate – assigned when Quantitative Financial Health is between 0.2 and 0.7

Strong – assigned when Quantitative Financial Health > 0.7

Other Definitions

i. **Last Close** – Price of the stock as of the close of the market of the last trading day before date of the report.

ii. **Quantitative Valuation** – Using the below terms, intended to denote the relationship between the security's **Last Price** and Morningstar's quantitative fair value estimate for that security.

Undervalued – Last Price is below Morningstar's quantitative fair value estimate.

Fairly Valued – Last Price is in line with Morningstar's quantitative fair value estimate.

Fairly Valued – Last Price is in line with Morningstar's quantitative fair value estimate.

Overvalued – Last Price is above Morningstar's quantitative fair value estimate.

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Sustainalytics analyzes over 1,300 data points to assess a company's exposure to and management of ESG risks. In other words, ESG Risk Ratings measures a company's unmanaged ESG Risks represented as a quantitative score. Unmanaged Risk is measured on an open-ended scale starting at zero (no risk) with lower scores representing less unmanaged risk and, for 95% of cases, the unmanaged ESG Risk score is below 50.

Based on their quantitative scores, companies are grouped into one of five Risk Categories (negligible, low, medium, high, severe). These risk categories are absolute, meaning that a 'high risk' assessment reflects a comparable degree

of unmanaged ESG risk across all subindustries covered.

The ESG Risk Rating Assessment is a visual representation of Sustainalytics ESG Risk Categories on a 1 to 5 scale. Companies with Negligible Risk = 5 Globes, Low Risk = 4, Medium Risk = 3 Globes, High Risk = 2 Globes, Severe Risk = 1 Globe. For more information, please visit sustainalytics.com/esg-ratings/

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