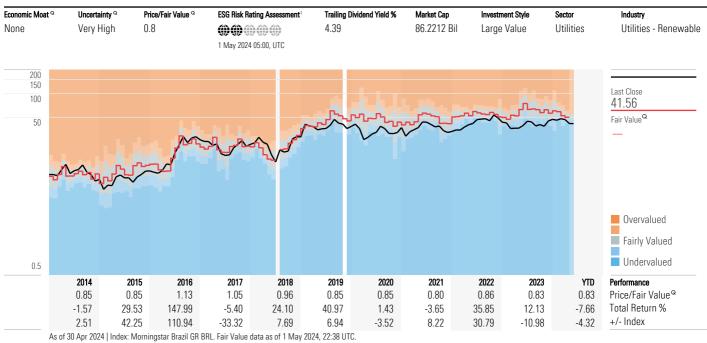
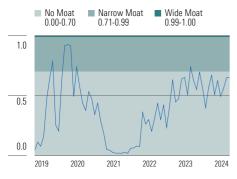
# Centrais Eletricas Brasileiras SA Class B ELET6 ★★★ ♀ 1 May 2024, 22:38 UTC



'The 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 30 Ap	or 2024							
Metrics	Percentile in Sector							
Earnings Yield (%)	5.6	53.0						
Sales Yield (%)	49.5	46.0						
Book Value Yield (%)	132.7	82.0						
Return on Assets (%)*	1.7	36.0						
Revenue(Bil)*	7.2	77.0						
Market Value (Bil)	16.5	84.0						
Enterprise Value (Bil)	25.1	81.0						
EVMV Ratio	1.5	52.0						
Volatility TTM (%)	22.4	46.0						
Drawdown TTM (%)	17.3	32.0						
Volume (Mil)	8.1	88.0						
*31 Dec 2023			0%	25	50	75	100	

### Economic Moat <sup>Q</sup>History as of 1 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 <sup>Q</sup>as of 1 May 2024

Centrais Eletricas achieves a 4-star quantitative star rating based on Morningstar's equity model. This reflects the company's valuation and uncertainty scores under this assessment system.

The Quantitative Fair Value estimate is 49.49, above the previous closing price of 41.22. The stock has been trading between a 42.67% and 9.41% discount to its quantitative fair value over the past year. The stock's current valuation rating sits at the 65th percentile in the coverage universe and 55th percentile in the utilities sector (higher percentile indicates more undervalued).

The quantitative uncertainty rating for Centrais Eletricas is High.

Our quantitative star rating last differed from the current rating on 04/29/2024; the uncertainty rating last differed on 04/29/2024. The previous ratings were 3 and Very High, respectively.

The main drivers of the company's valuation and uncertainty are its EV-MV ratio and volatility. The enterprise value-to-market value ratio of 1.52 falls at the 78th percentile in the equity universe and the 52nd percentile in its sector. The annualized trailing 12-month volatility of 22.38% corresponds to the 27th percentile overall and the 46th percentile in the industry.

### Economic Moat <sup>Q</sup>as of 1 May 2024

Quantitatively, we do not believe Centrais Eletricas has an economic moat. Its moat score of 0.56 corresponds to the 50th percentile in the utilities sector. Furthermore, this rating last differed from its previous rating of Narrow on 01/08/2024, when the company's moat score fell from its maximum of 0.87 (score of 1 indicates greatest economic moat). The company also maintains a quantitative financial health rating of Moderate. Its score sits at the 45th percentile overall and the 51st percentile in the sector.

Examining the company's financials and market statistics, we find these ratings are principally driven by its book value yield and enterprise value-to-market value ratio. The book value yield is 132.65%, sitting at the 82nd percentile in the utilities sector. The company's enterprise value-to-market value ratio is 1.52, corresponding to the 78th percentile in the equity coverage universe and the 52nd percentile in the sector.

#### Fundamentals as of 1 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 3.2%, paying out 70.31% of earnings. These values are calculated over a trailing 12-month period.

### Contact

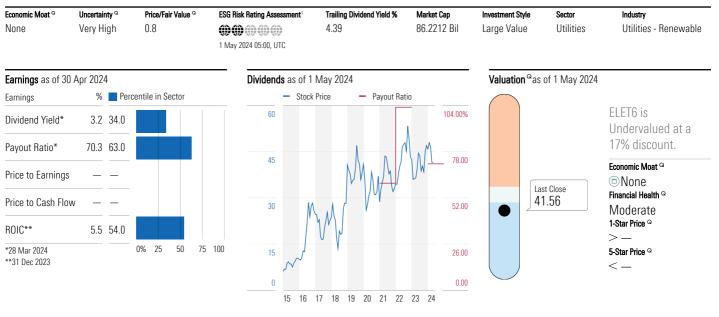
Rua da Quitanda 196, Rio de Janeiro, RJ 20091-005

+55 2125144637

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## Centrais Eletricas Brasileiras SA Class B ELET6 ★★★ Q 1 May 2024, 22:38 UTC



Contact	
https://www.eletrobras.com	

inancials	as of 1 Ma	ay 2024 (F	iscal Yea	r 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)
aluation/	as of 1 Ma	ay 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	0.83	Price/Fair Value Q
0.42	0.41	0.62	0.78	0.97	1.94	1.77	1.45	2.58	2.92	2.23	Price/Sales
_	_	14.63	_	_	3.97	6.31	7.54	27.75	27.31	19.79	Price/Earnings
2.88	1.78	6.48	32.64	9.10	12.72	_	12.28	9.41	7.50	10.07	Price/Cash Flow
0.19	0.27	0.68	0.66	0.88	0.82	0.77	0.68	0.89	0.93	0.83	Price/Book
Operating	Performar	nce as of	1 May 202	24 (Fiscal	Year End	31 Dec 20	)24)				
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	03	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		,									
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	—	4.39	Trailing Dividend Yield
										2.54	Buyback Yield

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# Appendix

Economic Moat <sup>©</sup> History as of 1 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	0.65	_	_	_	_	_	_	_
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 analystdriven 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</p>
- ★★ 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)

 $\star \star \star$  – 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)* 

 $\star \star \star \star$  – 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%

 $\ensuremath{\textit{Extreme}}\xspace -$  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

Strong - assigned when Quantitative Financial Health > 0.7

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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.

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

Farily 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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of unmanaged ESG risk across all subindustries covered.

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