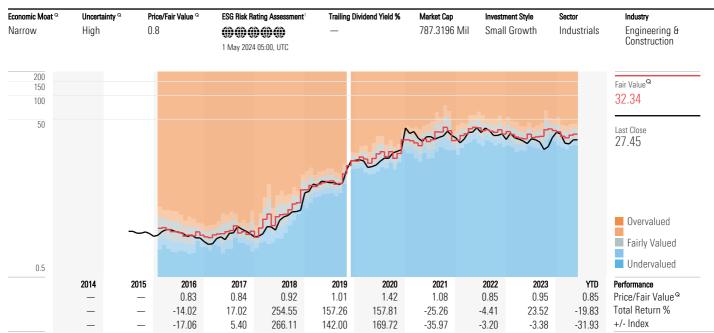
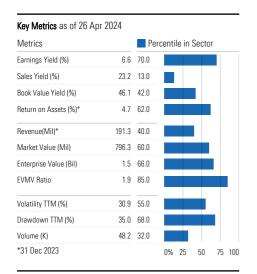
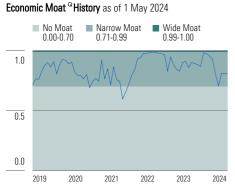
Grenergy Renovables SA GRE ★★★ Q 1 May 2024, 22:40 UTC



As of 30 Apr 2024 | Index: Morningstar Spain GR EUR. Fair Value data as of 1 May 2024, 22:40 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.





Business Description

Grenergy Renovables SA is a Spanish Independent Power Producer (IPP) that designs, develops, and executes renewable energy plants on a large scale. Its services are divided into different activities including the promotion, commercialization, and construction of renewable energy installations, the production and commercialization of electric energy as well as any complementary activities, and the management and operation of renewable energy installations. It operates in segments that include: Development and Construction which also generates key revenue for the company; Energy; Commercialization, and Services. Geographically, the company generates revenue from Chile, Mexico, Peru, Argentina, Colombia, Spain and other regions

Valuation ^Qas of 1 May 2024

Morningstar maintains a 3-star quantitative star rating for Grenergy Renovables, derived from the firm's valuation and uncertainty scores.

The company's shares last closed at 27.45, below our quantitative fair value estimate of 31.43. These shares have traded between a 40.41% and 1.74% 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 72nd percentile; in the industrials sector, the firm's score lies at the 59th percentile (meaning the shares are more undervalued than 59% of stocks in the sector).

Furthermore, Grenergy Renovables maintains a quantitative valuation uncertainty rating of High. The company has held this star rating since the previous rating of 4, which was last assigned on 03/20/2024. The uncertainty rating for Grenergy Renovables has remained High since the previous rating of Very High, which was last assigned on 04/

29/2024.

The key factor behind these ratings is the company's earnings yield of 6.27% which falls above the 68th percentile in the industrials sector. Over the past year, the company's earnings yield has been between 0.50% and 7.51%.

Economic Moat ^Qas of 1 May 2024

Morningstar maintains a Narrow quantitative moat rating on the company. The firm's quantitative moat score of 0.81 sits at the 76th percentile in the industrials sector. This is a decrease from 0.99, the maximum of its moat scores over the past year.

The quantitative financial health rating for Grenergy Renovables is Moderate. Its financial health score, termed Distance to Default, sits at the 23rd percentile in the universe and 22nd percentile in the sector.

The significant drivers of these ratings are the company's enterprise value and annualized trailing 12-month volatility. The enterprise value for Grenergy Renovables is 1.52 billion, and its annualized trailing 12-month volatility is 31.36%. They sit at the 70th and 48th percentile in the global equity universe, respectively.

Fundamentals as of 1 May 2024

Grenergy Renovables maintains earnings per share of 1.72. The company further earns a return on invested capital of 9.34%. These values are calculated over a trailing 12-month period.

As of last market close, Grenergy Renovables has a price-to-earnings ratio of 15.96, falling below the 44th percentile in its sector (where a lower percentile means a lower ratio) and ranging between 13.31 and 201.41 over the past year.

Contact

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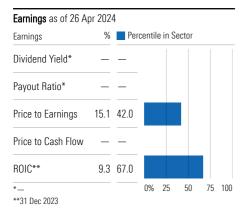


Grenergy Renovables SA GRE ★★★ Q 1 May 2024, 22:40 UTC

Economic Moat Q	Uncertainty Q	Price/Fair Value Q	ESG Risk Rating Assessment ¹	Trailing Dividend Yield %	Market Cap	Investment Style	Sector	Industry
Narrow	High	0.8	0000	_	787.3196 Mil	Small Growth	Industrials	Engineering &
			1 May 2024 05:00, UTC					Construction

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Contact +34 917081970

https://www.grenergy.eu

-2.31	inancials a	as of 1 M	ay 2024 (Fiscal Yea	r End 31	Dec 2024))						
0.70	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	YTD	Fiscal	
21.99	3.19	2.09	1.22	10.17	26.58	72.29	73.39	82.51	110.58	179.14	179.14	Revenue (Mil)	
1.72	0.70	-1.20	-2.40	-2.55	6.36	9.27	23.16	34.63	36.15	88.95	88.95	Operating Income (Mil)	
0.09 0.15 -0.12 0.14 0.41 0.48 0.64 0.60 0.34 1.72 1.72 Diluted Earnings/Share -1.30 -1.38 8.19 -14.76 9.69 15.88 -8.33 13.73 38.40 33.23 33.23 Operating Cash Flow (M -2.31 -6.08 -18.65 -39.27 -26.93 -46.59 -80.32 -198.16 -189.98 -366.33 -366.33 Capital Spending (Mil) -3.61 -7.45 -10.45 -54.03 -17.23 -30.70 -88.65 -184.43 -151.58 -333.11 -333.11 Free Cash Flow (Mil) 20 — 24 24 23 24 24 27 30 30 30 30 Avg Shares Outstand(Mil) /aluation as of 1 May 2024 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 Current Calendar — — 0.83 0.84 0.92 1.01 1.42 1.08 0.85 0.95 0.85 Price/Fair Value ○ - 8.77 23.99 15.50 7.79 5.05 10.32 5.62 8.02 8.56 4.55 Price/Sales — 10.52 12.30 — 15.79 18.65 56.23 56.35 28.58 201.41 15.96 Price/Earnings — 64.33 — — 13.30 — — — 17.14 24.54 Price/Cash Flow - 4.93 2.37 4.17 7.08 9.21 21.16 4.87 3.33 3.24 2.29 Price/Book Deerating Performance as of — (Fiscal Year End 31 Dec 2024) 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 03 Fiscal (%) 7.96 13.91 -8.56 6.52 22.94 10.59 7.33 3.78 1.38 4.74 -0.29 Return on Assets 24.16 30.06 -23.82 24.17 58.87 34.48 35.24 15.64 5.1 17.34 -1.01 Return on Equity 11.76 17.21 -11.56 13.91 35.35 15.9 11.39 7.32 4.25 9.34 0.28 Rtn on Invested Capital	21.99	-57.6	-196	-25.08	23.91	12.82	31.55	41.98	32.69	49.65	49.65	Operating Margin (%)	
-1.30 -1.38 8.19 -14.76 9.69 15.88 -8.33 13.73 38.40 33.23 33.23 Operating Cash Flow (M -2.31 -6.08 -18.65 -39.27 -26.93 -46.59 -80.32 -198.16 -189.98 -366.33 -366.33 Capital Spending (Mil) -3.61 -7.45 -10.45 -54.03 -17.23 -30.70 -88.65 -184.43 -151.58 -333.11 -333.11 Free Cash Flow (Mil) 20 — 24 24 23 24 24 27 30 30 30 30 Avg Shares Outstand(Mil) 20 — 0.83 0.84 0.92 1.01 1.42 1.08 0.85 0.95 0.85 Price/Fair Value 9 — 8.77 23.99 15.50 7.79 5.05 10.32 5.62 8.02 8.56 4.55 Price/Sales — 10.52 12.30 — 15.79 18.65 56.23 56.35 28.58 201.41 15.96 Price/Earnings — 64.33 — 13.30 — — 13.30 — — 17.14 24.54 Price/Cash Flow Derating Performance as of — (Fiscal Year End 31 Dec 2024) 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 03 Fiscal (%) 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 03 Fiscal (%) 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 03 Fiscal (%) 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 0.28 Rtm on Invested Capital Dividends as of — 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 Current Calendar (%)	1.72	2.94	-3.04	3.51	9.73	11.44	15.23	16.31	10.30	51.07	51.07	Net Income (Mil)	
-2.31 -6.08 -18.65 -39.27 -26.93 -46.59 -80.32 -198.16 -189.98 -366.33 -366.33 -Capital Spending (Mil) -3.61 -7.45 -10.45 -54.03 -17.23 -30.70 -88.65 -184.43 -151.58 -333.11 -333.11 Free Cash Flow (Mil) 20 — 24 24 24 23 24 24 27 30 30 30 30 Avg Shares Outstand(Mil) 20 — 24 24 24 23 24 24 27 30 30 30 30 Avg Shares Outstand(Mil) 20 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 Current Calendar — 8.77 23.99 15.50 7.79 5.05 10.32 5.62 8.02 8.56 4.55 Price/Sales — 10.52 12.30 — 15.79 18.65 56.23 56.35 28.58 201.41 15.96 Price/Earnings — 64.33 — 13.30 — 13.30 — 17.14 24.54 Price/Cash Flow — 4.93 2.37 4.17 7.08 9.21 21.16 4.87 3.33 3.24 2.29 Price/Book 20 20 20 20 20 20 20 20 20 20 20 20 20	0.09	0.15	-0.12	0.14	0.41	0.48	0.64	0.60	0.34	1.72	1.72	Diluted Earnings/Share	
-3.61	-1.30	-1.38	8.19	-14.76	9.69	15.88	-8.33	13.73	38.40	33.23	33.23	Operating Cash Flow (Mil)	
20	-2.31	-6.08	-18.65	-39.27	-26.93	-46.59	-80.32	-198.16	-189.98	-366.33	-366.33	Capital Spending (Mil)	
Valuation as of 1 May 2024 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 Current Calendar — — 0.83 0.84 0.92 1.01 1.42 1.08 0.85 0.95 0.85 Price/Fair Value ○ — 8.77 23.99 15.50 7.79 5.05 10.32 5.62 8.02 8.56 4.55 Price/Sales — 10.52 12.30 — 15.79 18.65 56.23 56.35 28.58 201.41 15.96 Price/Earnings — 64.33 — — 13.30 — — 17.14 24.54 Price/Cash Flow — 4.93 2.37 4.17 7.08 9.21 21.16 4.87 3.33 3.24 2.29 Price/Book Dividends as of — (Fiscal Year End 31 Dec 2024) 2014 2015 2016 2017 2018 2019 2020 202	-3.61	-7.45	-10.45	-54.03	-17.23	-30.70	-88.65	-184.43	-151.58	-333.11	-333.11	Free Cash Flow (Mil)	
— — 0.83 0.84 0.92 1.01 1.42 1.08 0.85 0.95 0.85 Price/Fair Value ∘ — 8.77 23.99 15.50 7.79 5.05 10.32 5.62 8.02 8.56 4.55 Price/Sales — 10.52 12.30 — 15.79 18.65 56.23 56.35 28.58 201.41 15.96 Price/Earnings — — 64.33 — — 13.30 — — 17.14 24.54 Price/Cash Flow — 4.93 2.37 4.17 7.08 9.21 21.16 4.87 3.33 3.24 2.29 Price/Book Operating Performances as of — (Fiscal Year End 31 Dec 2024) 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 Q3 Fiscal (%) 7.96 13.91 -8.56 6.52 22.94 10.59 7.33 3.78 1.38	20	_	24	24	23	24	24	27	30	30	30	Avg Shares Outstand(Mil)	
— — 0.83 0.84 0.92 1.01 1.42 1.08 0.85 0.95 0.85 Price/Fair Value ∘ — 8.77 23.99 15.50 7.79 5.05 10.32 5.62 8.02 8.56 4.55 Price/Sales — 10.52 12.30 — 15.79 18.65 56.23 56.35 28.58 201.41 15.96 Price/Earnings — — 64.33 — — 13.30 — — 17.14 24.54 Price/Cash Flow — 4.93 2.37 4.17 7.08 9.21 21.16 4.87 3.33 3.24 2.29 Price/Book Operating Performances as of — (Fiscal Year End 31 Dec 2024) 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 Q3 Fiscal (%) 7.96 13.91 -8.56 6.52 22.94 10.59 7.33 3.78 1.38	Valuation a	s of 1 Ma	ay 2024										
— 8.77 23.99 15.50 7.79 5.05 10.32 5.62 8.02 8.56 4.55 Price/Sales — 10.52 12.30 — 15.79 18.65 56.23 56.35 28.58 201.41 15.96 Price/Earnings — — 64.33 — — 13.30 — — — 17.14 24.54 Price/Cash Flow Operating Performance as of — (Fiscal Year End 31 Dec 2024) 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 Q3 Fiscal (%) 7.96 13.91 -8.56 6.52 22.94 10.59 7.33 3.78 1.38 4.74 -0.29 Return on Assets 24.16 30.06 -23.82 24.17 58.87 34.48 35.24 15.64 5.1 17.34 -1.01 Return on Equity 11.76 17.21 -11.56 13.91 35.35 15.9 11.39 7.32 4.25 9.34 0.28 Rtn on Invested Capital Dividends	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Current	Calendar	
— 10.52 12.30 — 15.79 18.65 56.23 56.35 28.58 201.41 15.96 Price/Earnings — — 64.33 — — 13.30 — — — 17.14 24.54 Price/Cash Flow Operating Performance as of — (Fiscal Year End 31 Dec 2024) 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 Q3 Fiscal (%) 7.96 13.91 -8.56 6.52 22.94 10.59 7.33 3.78 1.38 4.74 -0.29 Return on Assets 24.16 30.06 -23.82 24.17 58.87 34.48 35.24 15.64 5.1 17.34 -1.01 Return on Equity 11.76 17.21 -11.56 13.91 35.35 15.9 11.39 7.32 4.25 9.34 0.28 Rtn on Invested Capital Dividends as of — 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 Current	_	_	0.83	0.84	0.92	1.01	1.42	1.08	0.85	0.95	0.85	Price/Fair Value Q	
— — 64.33 — — 13.30 — — — 17.14 24.54 Price/Cash Flow Price/Book Operating Performance as of — (Fiscal Year End 31 Dec 2024) 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 Q3 Fiscal (%) 7.96 13.91 -8.56 6.52 22.94 10.59 7.33 3.78 1.38 4.74 -0.29 Return on Assets 24.16 30.06 -23.82 24.17 58.87 34.48 35.24 15.64 5.1 17.34 -1.01 Return on Equity 11.76 17.21 -11.56 13.91 35.35 15.9 11.39 7.32 4.25 9.34 0.28 Rtn on Invested Capital Dividends as of — 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 Current Calendar (%)	_	8.77	23.99	15.50	7.79	5.05	10.32	5.62	8.02	8.56	4.55	Price/Sales	
Operating Performance as of — (Fiscal Year End 31 Dec 2024) 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 Q3 Fiscal (%) 7.96 13.91 -8.56 6.52 22.94 10.59 7.33 3.78 1.38 4.74 -0.29 Return on Assets 24.16 30.06 -23.82 24.17 58.87 34.48 35.24 15.64 5.1 17.34 -1.01 Return on Equity 11.76 17.21 -11.56 13.91 35.35 15.9 11.39 7.32 4.25 9.34 0.28 Rtn on Invested Capital Dividends as of — 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 Current Calendar (%)	_	10.52	12.30	_	15.79	18.65	56.23	56.35	28.58	201.41	15.96	Price/Earnings	
Operating Performance as of — (Fiscal Year End 31 Dec 2024) 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 03 Fiscal (%) 7.96 13.91 -8.56 6.52 22.94 10.59 7.33 3.78 1.38 4.74 -0.29 Return on Assets 24.16 30.06 -23.82 24.17 58.87 34.48 35.24 15.64 5.1 17.34 -1.01 Return on Equity 11.76 17.21 -11.56 13.91 35.35 15.9 11.39 7.32 4.25 9.34 0.28 Rtn on Invested Capital Dividends as of — 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 Current Calendar (%)	_	_	64.33	_	_	13.30	_	_	_	17.14	24.54	Price/Cash Flow	
2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 03 Fiscal (%) 7.96 13.91 -8.56 6.52 22.94 10.59 7.33 3.78 1.38 4.74 -0.29 Return on Assets 24.16 30.06 -23.82 24.17 58.87 34.48 35.24 15.64 5.1 17.34 -1.01 Return on Equity 11.76 17.21 -11.56 13.91 35.35 15.9 11.39 7.32 4.25 9.34 0.28 Rtn on Invested Capital Dividends as of — 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 Current Calendar (%)	_	4.93	2.37	4.17	7.08	9.21	21.16	4.87	3.33	3.24	2.29	Price/Book	
7.96 13.91 -8.56 6.52 22.94 10.59 7.33 3.78 1.38 4.74 -0.29 Return on Assets 24.16 30.06 -23.82 24.17 58.87 34.48 35.24 15.64 5.1 17.34 -1.01 Return on Equity 11.76 17.21 -11.56 13.91 35.35 15.9 11.39 7.32 4.25 9.34 0.28 Rtn on Invested Capital Dividends as of — 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 Current Calendar (%)	Operating F	Performa	nce as of	— (Fiscal	Year End	1 31 Dec 2	2024)						
24.16 30.06 -23.82 24.17 58.87 34.48 35.24 15.64 5.1 17.34 -1.01 Return on Equity 11.76 17.21 -11.56 13.91 35.35 15.9 11.39 7.32 4.25 9.34 0.28 Rtn on Invested Capital Dividends as of — 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 Current Calendar (%)	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	03	Fiscal (%)	
11.76 17.21 -11.56 13.91 35.35 15.9 11.39 7.32 4.25 9.34 0.28 Rtn on Invested Capital Dividends as of — 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 Current Calendar (%)	7.96	13.91	-8.56	6.52	22.94	10.59	7.33	3.78	1.38	4.74	-0.29	Return on Assets	
Dividends as of — 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 Current Calendar (%)	24.16	30.06	-23.82	24.17	58.87	34.48	35.24	15.64	5.1	17.34	-1.01	Return on Equity	
2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 Current Calendar (%)	11.76	17.21	-11.56	13.91	35.35	15.9	11.39	7.32	4.25	9.34	0.28	Rtn on Invested Capital	
	Dividends a	as of —											
— — — — — — — Dividend Per Share	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Current	Calendar (%)	
	_	_	_	_	_	_	_	_	_	_	_	Dividend Per Share	



Trailing Dividend Yield Buyback Yield

Appendix

Economic Moat ^Q 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	0.92	0.80	0.71	0.81	0.81	_	_	_	_	_	_	_
2023	0.84	0.83	0.90	0.91	0.86	0.90	0.89	0.88	0.87	0.98	0.97	0.96
2022	0.94	0.98	0.98	0.98	0.99	0.98	0.98	0.97	0.97	0.83	0.95	0.88
2021	0.76	0.85	0.72	0.86	0.76	0.74	0.60	0.65	0.72	0.79	0.84	0.93
2020	0.89	0.90	0.82	0.79	0.79	0.77	0.80	0.69	0.74	0.77	0.74	0.92
2019	0.71	0.77	0.76	0.83	0.88	0.90	0.86	0.91	0.81	0.89	0.93	0.92



Quantitative Equity Report Overview

The quantitative report on equities consists of data, statistics and quantitative equity ratings on equity securities. Morningstar, Inc.'s quantitative equity ratings are forward looking and are generated by a statistical model that is based on Morningstar Inc.'s analyst-driven equity ratings and quantitative statistics. Given the nature of the quantitative report and the quantitative ratings, there is no one analyst in which a given report is attributed to; however, Mr. Lee Davidson, Head of Quantitative Research for Morningstar, Inc., is responsible for overseeing the methodology that supports the quantitative equity ratings used in this report. As an employee of Morningstar, Inc., Mr. Davidson is guided by Morningstar, Inc.'s Code of Ethics and Personal Securities Trading Policy in carrying out his responsibilities.

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</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)

★★★ – the stock is approximately fairly valued.

 $\label{log-log-log-log-log-log} \textit{Log (Quant FVE/Price) between (-0.5*Quantitative Uncertainty, 0.5*Quantitative Uncertainty)}$

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%

 $\overrightarrow{\text{High}}-\text{the}$ 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.
- 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

Sustainalytics ESG Risk Rating Assessment: The ESG Risk Rating Assessment is provided by Sustainalytics; a Morningstar company. Sustainalytics' ESG Risk Ratings measure the degree to which company's economic value at risk is driven by environment, social and governance (ESG) factors.

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/esgratings/

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