
Morningstar Medalist Rating™ for Semiliquid Funds Methodology

Morningstar

June 2026

Version 1.1

Contents

- 1 Overview
 - 1 The Morningstar Medalist Rating for Semiliquid Funds
 - 2 Independent Research
 - 3 Forward-Looking Analysis
 - 4 Methodology
 - 7 Pillar Evaluation
 - 10 Appendix A
 - 12 Appendix B
-

Morningstar Research

Important Disclosure

The conduct of Morningstar's analysts is governed by Code of Ethics/Code of Conduct Policy, Personal Security Trading Policy (or an equivalent of), and Investment Research Policy. For information regarding conflicts of interest, please visit: <http://global.morningstar.com/equitydisclosures>

Overview

Morningstar has conducted research on active and passive investment strategies and their associated vehicles since 1986. From November 2011, this research has been expressed globally through the Morningstar Medalist Rating for funds (previously known as the Morningstar Analyst Rating), which Morningstar's manager research analysts assign to strategies and vehicles that they qualitatively analyze.

The Morningstar Medalist Rating for Semiliquid Funds

This rating methodology applies to semiliquid funds rated by Morningstar Manager Research analysts. Examples of semiliquid funds include interval funds, tender-offer funds, nontraded business-development companies, and nontraded real estate investment trusts in the United States. Semiliquid funds outside of the US include certain European long-term investment funds, United Kingdom long-term asset funds, and certain Australia-domiciled managed investment schemes.

A note on terminology: The use of the term "semiliquid" in this methodology reflects that these vehicles' intermittent liquidity is more restrictive than the daily liquidity offered by mutual funds and exchange-traded funds, for example, but less restrictive than private capital strategies that lock up assets for more significant stretches of time. The language around these structures is somewhat fluid and context-dependent. One may see the terms "evergreen," "perpetual capital," and "semiliquid" used interchangeably when discussing any funds that allow investors to buy in at periodic intervals, have some provision for intermittent liquidity, and/or have no predetermined end. Such terms may thus apply to heavily regulated structures such as interval funds, tender-offer funds, and ELTIFs, but also to comparatively lightly regulated private capital funds that are formed as limited partnerships and that can operate indefinitely, often referred to as "evergreen LPs." This ratings methodology document does not apply to limited-partnership private capital funds.

The Morningstar Medalist Rating for semiliquid funds seeks to:

- ▶ Identify strategies Morningstar believes should be able to outperform a relevant public market equivalent index or broad private index, as well as outperform relevant peer groups;
- ▶ Call out strategies that Morningstar expects to underperform relevant peer groups;
- ▶ Work alongside Morningstar's coverage and analyses to help investors and selectors understand the suitability of strategies for an intended purpose and give clear expectations for the likely behavior of strategies in different market environments;

- ▶ Place a strategy and its vehicles in comparative and historical context in terms of criteria such as expenses, manager tenure, investment style, and asset size; and
- ▶ Monitor strategies for changes that could materially affect the suitability and investment opinion.

Independent Research

Morningstar is committed to the principle of independence. With the exception of our coverage in Australia and New Zealand (see the below section titled “Australia and New Zealand”), Morningstar does not charge asset managers to rate their strategies and associated vehicles and does not permit asset managers to commission ratings from us. Morningstar commercializes its manager research by including ratings and reports in various products and services and through licensing its intellectual property.

Morningstar produces this analysis for the benefit of investors, advisors, and institutions, not asset managers. Morningstar separates its researchers from any commercial relationships the company may have with asset managers in order to avoid any real or perceived conflicts of interest. Morningstar’s assessment aims to provide in-depth, accurate, and useful analysis that will help members select strategies that will outperform, avoid those that will underperform, and build more-cohesive portfolios. This analysis is independent and objective, conveying Morningstar’s genuine opinion of a strategy and associated vehicles, including negative views when warranted.

Australia and New Zealand

While Morningstar has a global ratings model, Australia and New Zealand differ in the following aspects. From March 31, 2026, Medalist Ratings based on any algorithmically generated fundamental pillars (People, Process, and Parent) were withdrawn from Australia. The below details are applicable to analyst-assigned ratings in Australia and New Zealand, but not elsewhere:

- ▶ If an investment is domiciled in Australia, and it is required under Australian law to have a Target Market Determination, a rating will only be generated if Morningstar has been provided with that TMD.
- ▶ For the purpose of Parent Pillar assignment, the Advisor CompanyID is used in place of Firm Name ID to determine the relevant Branding Name ID.

Also, while Morningstar does typically not charge asset managers to include their strategies and associated vehicles in the Morningstar Medalist Rating coverage universe, consistent with local practice in Australia, Morningstar will, starting from June 2026, offer Issuer Initiated Ratings in Australia and New Zealand, where Morningstar will receive a fee from a fund manager or financial product issuer for the preparation of a Morningstar Medalist Rating on their financial product(s) domiciled in Australia or New Zealand. Morningstar Manager Research retains sole discretion to determine whether analyst-driven coverage can be initiated. This determination is primarily based on the disclosure and provision of sufficient information about the asset manager and the relevant strategy, as well as access to portfolio managers and the investment team.

For a period of time until further notice, Morningstar also intends to continue its coverage of Australia- and New Zealand-domiciled vehicles without charging the relevant fund managers or financial product issuers for the preparation of an associated Morningstar Medalist Rating on their financial product(s).

Morningstar will clearly identify each Issuer Initiated Rating and will provide disclosure relating to the party that has paid the associated fee. Fees for an Issuer Initiated Rating are not linked to the rating outcome, and the paying entity has no influence over the analytical process or rating outcome.

For both types of coverage, Morningstar conducts its analysis in a transparent manner and maintains the integrity and objectivity of its ratings through governance and conflict-management frameworks. Morningstar's researchers are operationally separated via information barriers from Morningstar's commercial and sales activities to avoid any actual, potential, or perceived conflicts of interest.

How Morningstar Makes Coverage Decisions

In making coverage decisions, Morningstar seeks to ensure that users of its research have access to analysis on a broad spectrum of vehicles that are important to them and meet their needs for portfolio construction. Hence, Morningstar doesn't determine coverage strictly based on quantitative screens of investment returns, net assets, or performance history. Moreover, analyst teams have ample discretion in determining their coverage universe, focusing on investment merit, investor interest, and client demand.

Although these criteria can tilt coverage toward vehicles that are larger in terms of assets under management, analysts will cover newer and/or smaller vehicles if they have merit. In addition, Morningstar frequently canvases its analyst team, internal consulting units, and external users of Morningstar's research to identify offerings that might merit coverage. Regional coverage committees internal to the manager research team must approve all coverage decisions.

Forward-Looking Analysis

The Morningstar Medalist Rating for semiliquid funds is the summary expression of Morningstar's forward-looking analysis of investment strategies as offered via specific vehicles. Vehicles can include but are not limited to interval funds, tender-offer funds, nontraded BDCs, and nontraded REITs in the United States, certain ELTIFs in Europe, LTAFs in the United Kingdom, and certain Australia-domiciled managed investment schemes. The Medalist Rating for Semiliquid Funds does not express a view on a given asset class or peer group; rather, it seeks to evaluate each strategy and associated vehicle within the context of an appropriate benchmark and peer group.

Morningstar assigns Morningstar Medalist Ratings for semiliquid funds at the vehicle level to accurately capture the impact of fee differences on expected outcomes, including different share classes of the same fund. This means that share classes of the same fund that charge different amounts may receive different Morningstar Medalist Ratings. Morningstar's research and academic studies have repeatedly shown that a vehicle's ability to outperform erodes as fees become higher.

Morningstar expresses the Morningstar Medalist Rating for semiliquid funds on a five-tier scale running from  **Gold** to **Negative**. For semiliquid funds, Morningstar assigns  **Gold**,  **Silver**, and  **Bronze** ratings to vehicles expected to add value over the long term when compared with a relevant public market equivalent or broad private index, the Morningstar Category Index, and median peer. Morningstar Medalist Ratings for semiliquid funds should be interpreted as follows:

Rating	Outcome expectation
 Gold Morningstar's top recommendations, where our analysts have their highest level of conviction that these investments can add value.	Expected to deliver positive excess returns versus a broad private or public market equivalent index for the relevant asset class, their Morningstar Category index, and their median peer.
 Silver Just below Gold but analysts still have a very high level of conviction that these investments can add value.	Expected to deliver positive excess returns versus a broad private or public market equivalent index for the relevant asset class, their Morningstar Category index, and their median peer.
 Bronze Our analysts believe these investments can add value.	Expected to deliver positive excess returns versus a broad private or public market equivalent index for the relevant asset class.
Neutral Not expected to add and may subtract value within their Morningstar Category.	Expected to deliver zero or negative excess returns versus a broad private or public market equivalent index for the relevant asset class.
Negative Expected to subtract value and may have serious flaws in one or more pillars.	Expected to deliver negative excess returns versus a broad private or public market equivalent index for the relevant asset class.
Under Review Denotes a change at a rated investment that requires further review to determine its impact on the rating.	N/A

Methodology

In more than two decades of manager research, Morningstar's global analyst team has identified three key areas that evidence suggests are crucial to predicting the future gross performance of strategies and their associated vehicles: Process, People, and Parent. These three pillars form the spine of Morningstar's research approach, with analysis coalescing around an evaluation of the strategy's underlying investment process, the management team, and the parent firm. In this way, the analysis

considers not just each pillar in isolation but also the interaction among them, which is crucial to understanding a vehicle's overall merit.

Medalist Ratings for semiliquid funds seek to identify funds that can deliver excess returns over the relevant benchmark and outperform relevant peer groups, on a net-of-fee basis.

Score Pillars

Based on their qualitative research, Morningstar analysts assign scores to the Process, People, and Parent Pillars ranging from negative 2 to positive 2. Those scores correspond to the pillar ratings of Low, Below Average, Average, Above Average, and High, respectively.

Derive the Rating

The pillar scores are used in conjunction with set pillar weights to derive an overall score for each offering, which is then adjusted for fees. As compared with the Morningstar Medalist Rating methodology, Morningstar analysts have determined that a higher weight on the Parent Pillar is required for semiliquid funds, given the importance of the overall organization in deal sourcing, valuation of securities, and governance. Likewise, the higher weight on the Process Pillar reflects the added complexities and risks inherent to portfolios with intermittent liquidity that potentially hold private assets. The three pillars are therefore weighted as follows:

Process: 50%

People: 25%

Parent: 25%

The equation to derive a semiliquid fund's prefee score is:

$$\begin{aligned} & (0.50 * \text{Process Score}) \\ & + (0.25 * \text{People Score}) \\ & + (0.25 * \text{Parent Score}) \\ & = \text{Prefee score} \end{aligned}$$

Morningstar then adjusts the prefee score to incorporate the impact of fees by grouping the investments into relevant fee-comparison groups by broad asset class and ranking by order of fees. To rank semiliquid funds that charge performance fees, Morningstar calculates an effective fee that assumes a specified rate of return for the relevant asset class. This allows for all semiliquid funds in a fee-comparison group to be ranked regardless of whether they charge a performance fee or not. For each fee-comparison group, funds in the cheapest third will have 0.25 added to their scores, funds in the middle third will have no adjustment to their scores, and funds in the costliest third will have 0.50 deducted from their scores. Fees are assessed and ranked at the share class level, and individual share classes of a given fund can therefore be assigned different ratings if their fees differ.

Investments' fee-adjusted scores are then used to drive their ratings as outlined below. The ranges below may be overridden if circumstances warrant, subject to approval by the ratings committee. See Appendix A for the complete matrix of pillar score values, fee ranks, and associated rating outcomes.

Gold

Fee-adjusted score is 2 or higher, and no pillars are rated Below Average or Low.

Silver

Fee-adjusted score is below 2, but at least 1.5, and no pillars are rated Below Average or Low.

Bronze

Fee-adjusted score is below 1.5, but at least 1, and no pillars are rated Below Average or Low.

Neutral

Fee-adjusted score is below 1, but at least 0.

Negative

Fee-adjusted score is lower than 0.

Performance and Price

Morningstar evaluates a vehicle's performance as part of its overall assessment. However, performance is not a distinct pillar. Rather, Morningstar considers performance within the context of the other pillar assessments it conducts, notably Process and People. This ensures that performance doesn't play an outsize role in the overall assessment, while tying performance analysis to factors that Morningstar's research has found are better predictors of future outcomes, like the prudence and repeatability of a vehicle's investment approach; the depth, breadth, and continuity of the management team implementing the strategy; and the investment culture, resources, and capabilities of the parent organization.

Likewise, Morningstar takes fees into account when assigning ratings to vehicles as above and therefore does not maintain a separate price pillar. Fees are also considered within the context of the Parent Pillar as a reflection of how well the parent serves fundholders.

Pillar Evaluation

This section explains how Morningstar analysts evaluate the Process, People, and Parent Pillars in assigning ratings to the semiliquid funds they cover.

Process

Morningstar analysts are style-agnostic, meaning that, for equity strategies, they do not prefer value to growth or momentum, venture capital to buyout funds, or vice versa. For fixed-income strategies, both high-quality and credit-sensitive styles are viable. For multi-asset strategies, a wide range of approaches to asset allocation can succeed. Analysts look for strategies with a performance objective and investment process (for both security selection, manager selection, risk management, and portfolio construction) that is sensible, clearly defined, and repeatable. It must also be implemented effectively. In addition, the portfolio should be constructed in a manner that is consistent with the investment process and performance objective. Analysts seek to understand the context in which managers think about risk and how this is expressed when constructing the portfolio. Morningstar analysts make extensive use of Morningstar's global database and holdings-based analytical capabilities to evaluate the portfolio. Analysts look for strategies with a process distinctive enough to generate standout results in the future.

More specifically, analysts seek to understand, as applicable:

- ▶ The key "edge" of the process as executed by the manager;
- ▶ Elements that are systematic and repeatable, if any;
- ▶ The fit of the process with the resources backing the strategy and with the size of the asset base tied to the strategy (including all vehicles across all domiciles);
- ▶ Whether the process has been consistently applied, as demonstrated by the composition of the portfolio over time;
- ▶ The risks entailed in the process, from a portfolio-bias point of view and from an ability-to-execute point of view;
- ▶ The managers' approach to risk management;
- ▶ Analysts' expectations for performance in different market environments assuming the process is adhered to;
- ▶ Whether there is reason to believe the process can add value across the cycle versus the relevant benchmark or category;
- ▶ The suitability of the strategy for different types of investors given the risks one would expect to see in its portfolio;
- ▶ Idea generation and deal sourcing;
- ▶ The alignment of the vehicle's liquidity provisions with the liquidity of portfolio holdings;
- ▶ Effectiveness of liquidity management in the context of periodic redemptions;
- ▶ The source and reliability of valuation methodologies for nontraded assets; and
- ▶ The process and timeline for achieving exits.

People

The overall quality of a strategy's investment team is a significant key to a strategy's ability to deliver superior performance relative to its benchmark and/or peers. Evaluating an investment team requires that analysts assess, among other things, the individuals who make the key decisions on the portfolio; if there is more than one person in charge, how conflicts are resolved; resources that directly support the managers' work on the strategy; other resources that are not part of the team, including external partners and managers, their skills and experience, and the extent to which resources from these parties contribute to the particular strategy; the expertise and relevance of available resources to the strategy; and how incentive pay influences decision-making and team stability.

The relevant personnel, including supporting functions such as internal deal-sourcing teams and partnerships and valuation committees, are judged along several axes:

- ▶ Experience and ability;
- ▶ Fit and structure;
- ▶ Workload;
- ▶ Communication and information flow;
- ▶ Temperament;
- ▶ Alignment of interests;
- ▶ Key-person risk; and
- ▶ Team stability.

Parent

Morningstar believes the parent organization is important in evaluating funds, whether they offer active, passive, semiliquid, or private funds. Although other factors may have a more immediate impact on fund returns, they would not be durable without backing from the parent. Further, the asset manager and its management set the tone for key elements of Morningstar's evaluation, including recruitment and retention of talent, risk management, capacity management, and firmwide policies, such as incentive pay, which drive or impede the alignment of the parent interests with those of fund investors.

Beyond these areas, Morningstar analysts prefer parents that have a culture of stewardship and put clients first to those that are too heavily weighted to salesmanship. The former tend to operate within their circle of competence, do a good job of aligning manager interests with those of investors in their funds, charge reasonable fees, communicate well with investors, and treat client capital as if it were their own. Parents oriented to putting their own interests too much to the fore might be characterized by their view of investors as sales opportunities—they tend to offer faddish products in an attempt to gather assets, charge higher fees, and have incentive programs that do a poor job of aligning managers' interests with those of investors. Although relatively few parents fall obviously to either extreme, determining where an asset manager falls on the spectrum is a key to the parent research approach.

Key areas of Parent Pillar evaluation include:

- ▶ Organizational structure;
- ▶ Investment/corporate culture;
- ▶ Recruitment and retention of talent;
- ▶ Risk management;
- ▶ Capacity management;
- ▶ Organizational and business strategy;
- ▶ Quality of product lineup;
- ▶ Alignment of interests with investors;
- ▶ Regulatory compliance;
- ▶ Experience and capabilities in illiquid assets;
- ▶ Deal-sourcing capabilities;
- ▶ Governance of processes relating to deal allocation, valuation, and exits;
- ▶ Ability to attract and manage partnerships with specialist firms as relevant; and
- ▶ Transparency with investors.

Appendix A: Rating Guideline Grid

Pillar Ratings		Fee Tercile Relative to Fee-Comparison Group		
People/Parent ¹	Process	Cheapest	Middle	Costliest
High/High	High	Gold	Gold	Silver
High/Above Average	High	Gold	Silver	Bronze
Both Above Average	High	Silver	Silver	Bronze
Above Average/Average	High	Silver	Bronze	Neutral
Both Average	High	Bronze	Bronze	Neutral
Average/Below Average	High	Bronze	Neutral	Neutral
Both Below Average	High	Neutral	Neutral	Neutral
Below Average/Low	High	Neutral	Neutral	Negative
Both Low	High	Neutral	Neutral	Negative
High/High	Above Average	Silver	Silver	Bronze
High/Above Average	Above Average	Silver	Bronze	Neutral
Both Above Average	Above Average	Bronze	Bronze	Neutral
Above Average/Average	Above Average	Bronze	Neutral	Neutral
Both Average	Above Average	Neutral	Neutral	Neutral
Average/Below Average	Above Average	Neutral	Neutral	Negative
Both Below Average	Above Average	Neutral	Neutral	Negative
Below Average/Low	Above Average	Neutral	Negative	Negative
Both Low	Above Average	Negative	Negative	Negative
High/High	Average	Bronze	Bronze	Neutral
High/Above Average	Average	Bronze	Neutral	Neutral
Both Above Average	Average	Neutral	Neutral	Neutral
Above Average/Average	Average	Neutral	Neutral	Negative
Both Average	Average	Neutral	Neutral	Negative
Average/Below Average	Average	Neutral	Negative	Negative
Both Below Average	Average	Negative	Negative	Negative
Below Average/Low	Average	Negative	Negative	Negative
Both Low	Average	Negative	Negative	Negative

¹ The People and Parent Pillars are equal-weighted in Morningstar's semiliquid fund rating system. As such, the order of pillar ratings in any given row in the first column is not material.

Appendix A: Rating Guideline Grid, Continued

Pillar Ratings		Fee Tercile Relative to Fee-Comparison Group		
People/Parent*	Process	Cheapest	Middle	Costliest
High/High	Below Average	Neutral	Neutral	Neutral
High/Above Average	Below Average	Neutral	Neutral	Negative
Both Above Average	Below Average	Neutral	Neutral	Negative
Above Average/Average	Below Average	Neutral	Negative	Negative
Both Average	Below Average	Negative	Negative	Negative
Average/Below Average	Below Average	Negative	Negative	Negative
Both Below Average	Below Average	Negative	Negative	Negative
Below Average/Low	Below Average	Negative	Negative	Negative
Both Low	Below Average	Negative	Negative	Negative
High/High	Low	Neutral	Neutral	Negative
High/Above Average	Low	Neutral	Negative	Negative
Both Above Average	Low	Negative	Negative	Negative
Above Average/Average	Low	Negative	Negative	Negative
Both Average	Low	Negative	Negative	Negative
Average/Below Average	Low	Negative	Negative	Negative
Both Below Average	Low	Negative	Negative	Negative
Below Average/Low	Low	Negative	Negative	Negative
Both Low	Low	Negative	Negative	Negative

Appendix B: Contributors and Version History

Version 1.1, June 18, 2026

Bryan Armour

Director, ETF & Passive Strategies, US

bryan.armour@morningstar.com

Adjusted Neutral rating threshold to include scores of 0 in the Neutral rating band; adjusted Rating Guideline Grid in Appendix A to reflect the threshold change. Added information on Australia and New Zealand ratings.

Version 1.0, April 29, 2025

Chris Traulsen

Director, Ratings Methodologies, Global

christopher.traulsen@morningstar.com

Karen Zaya

Associate Director, Multi-Asset & Alternative Strategies, US

karen.zaya@morningstar.com

Brian Moriarty

Principal, Fixed Income Strategies, US

brian.moriarty@morningstar.com

Jack Shannon

Principal, Equity Strategies, US

jack.shannon@morningstar.com

Bridget Hughes

Senior Principal, Parent Ratings, Global

bridget.hughes@morningstar.com

Timothy Strauts

Head, Manager Research, North America

timothy.strauts@morningstar.com

Chris Tate

Senior Analyst, Equity Strategies, US

chris.tate@morningstar.com

Jason Kephart

Senior Principal, Multi-Asset Strategy Ratings, Global

jason.kephart@morningstar.com

General Disclosure

"Morningstar" is used throughout this section to refer to Morningstar, Inc., and/or its affiliates, as applicable. Unless otherwise provided in a separate agreement, recipients of this report may only use it in the country in which the Morningstar distributor is based. Unless stated otherwise, the original distributor of the report is Morningstar Research Services LLC, a USA-domiciled financial institution.

This report is for informational purposes only, should not be the sole piece of information used in making an investment decision, and has no regard to the specific investment objectives, financial situation, or particular needs of any specific recipient. This publication is intended to provide information to assist investors in making their own investment decisions, not to provide investment advice to any specific investor. Therefore, investments discussed and recommendations made herein may not be suitable for all investors; recipients must exercise their own independent judgment as to the suitability of such investments and recommendations in the light of their own investment objectives, experience, taxation status, and financial position.

The information, data, analyses, and opinions presented herein are not warranted to be accurate, correct, complete, or timely. Unless otherwise provided in a separate agreement, neither Morningstar, Inc., nor the Research Group represents that the report contents meet all of the presentation and/or disclosure standards applicable in the jurisdiction the recipient is located.

Except as otherwise required by law or provided for in a separate agreement, the analyst, Morningstar, Inc., and the Research Group and their officers, directors, and employees shall not be responsible or liable for any trading decisions, damages, or other losses resulting from, or related to, the information, data, analyses, or opinions within the report. The Research Group encourages recipients of this report to read all relevant issue documents—a prospectus, for example—pertaining to the security concerned, including without limitation, information relevant to its investment objectives, risks, and costs before making an investment decision and, when deemed necessary, to seek the advice of a legal, tax, and/or accounting professional.

The report and its contents are not directed to, or intended for distribution to or use by, any person or entity who is a citizen or resident of or located in any locality, state, country, or other jurisdiction where such distribution, publication, availability, or use would be contrary to law or regulation or that would subject Morningstar, Inc., or its affiliates to any registration or licensing requirements in such jurisdiction.

Where this report is made available in a language other than English and in the case of inconsistencies between the English and translated versions of the report, the English version will control and supersede any ambiguities associated with any part or section of a report that has been issued in a foreign language. Neither the analyst, Morningstar, Inc., nor the Research Group guarantees the accuracy of the translations.

This report may be distributed in certain localities, countries, and/or jurisdictions ("territories") by independent third parties or independent intermediaries and/or distributors ("distributors"). Such distributors are not acting as agents or representatives of the analyst, Morningstar, Inc., or the Research Group. In territories where a distributor distributes our report, the distributor is solely responsible for complying with all applicable regulations, laws, rules, circulars, codes, and guidelines established by local and/or regional regulatory bodies, including laws in connection with the distribution of third-party research reports.

Risk Warning

Please note that investments in securities are subject to market and other risks and there is no assurance or guarantee that the intended investment objectives will be achieved. Past performance of a security may or may not be sustained in future and is no indication of future performance. A security investment return and an investor's principal value will fluctuate so that, when redeemed, an investor's shares may be worth more or less than their original cost.

A security's current investment performance may be lower or higher than the investment performance noted within the report. Morningstar's Uncertainty Rating serves as a useful data point with respect to sensitivity analysis of the assumptions used in our determining a fair value price.

- ▶ Morningstar's overall earnings are generated in part by the activities of the Investment Management and Research groups, and other affiliates, who provide services to product issuers. Morningstar does not receive commissions for providing research and does not charge issuers to be rated.
- ▶ Morningstar employees may not pursue business or employment opportunities outside Morningstar within the investment industry (including, but not limited to, working as a financial planner, an investment professional or investment professional representative, a broker/dealer or broker/dealer agent, a financial writer, reporter, or analyst) without the approval of Morningstar's Legal and, if applicable, Compliance teams.
- ▶ Certain managed investments use an index created by and licensed from Morningstar, Inc. as their tracking index. We mitigate any actual or potential conflicts of interests resulting from that by not producing qualitative analysis on any such managed investment as well as imposing information barriers (both technology and no-technology) where appropriate and monitoring by the compliance department.
- ▶ Neither Morningstar, Inc., nor the Research Group is a market maker or a liquidity provider of the securities noted within this report.
- ▶ Neither Morningstar, Inc., nor the Research Group has been a lead manager or co-lead manager over the previous 12 months of any publicly disclosed offer of financial instruments of the issuer.
- ▶ Morningstar, Inc.'s Investment Management group has arrangements with financial institutions to provide portfolio management/investment advice, some of which an analyst may issue investment research reports on. In addition, the Investment Management group creates and maintains model portfolios whose underlying holdings can include financial products, including securities that may be the subject of this report. However, analysts do not have authority over Morningstar's Investment Management group's business arrangements or allow employees from the Investment Management group to participate or influence the analysis or opinion prepared by them.
- ▶ Morningstar, Inc., is a publicly traded company (ticker: MORN) and thus a financial institution the security of which is the subject of this report may own more than 5% of Morningstar, Inc.'s total outstanding shares. Please access Morningstar, Inc.'s proxy statement, section "Security Ownership of Certain Beneficial Owners and Management," at <https://shareholders.morningstar.com/investor-relations/financials/sec-filings/default.aspx>. A security's holding of Morningstar stock has no bearing on and is not a requirement for which securities Morningstar determines to cover.

Morningstar, Inc. may provide the product issuer or its related entities with services or products for a fee and on an arm's-length basis, including software products and licenses, research and consulting services, data services, licenses to republish our ratings and research in their promotional material, event sponsorship, and website advertising.

Further information on Morningstar's conflict-of-interest policies is available at <http://global.morningstar.com/equitydisclosures>. Please note analysts are subject to the CFA Institute's Code of Ethics and Standards of Professional Conduct. For a list of securities the Research Group currently covers and provides written analysis on, or for historical analysis of covered securities, including fair value estimates, please contact your local Morningstar office. Morningstar Research methodologies can be found at Investor Relations | Morningstar, Inc.

For current Morningstar clients, please reach out to your respective Client Success Manager for more information on how you can best leverage this research within your firm. For all others, please reach out to our business development team at dtainsidesales@morningstar.com to learn more about Morningstar's various offerings and more details about how you can leverage this research.

For recipients in Australia: This report has been issued and distributed in Australia by Morningstar Australasia Pty. Ltd. (ABN: 95 090 665 544; AFSL: 240892). Morningstar Australasia Pty. Ltd. is the provider of the general advice ("the service") and takes responsibility for the production of this report. The service is provided through the research of investment products. To the extent the report contains general advice, it has been prepared without reference to an investor's objectives, financial situation, or needs. Investors should consider the advice in light of these matters and, if applicable, the relevant Product Disclosure Statement before making any decision to invest. Refer to our Financial Services Guide for more information at <http://www.morningstar.com.au/s/fsg.pdf>.

For recipients in New Zealand: This report has been issued and distributed by Morningstar Australasia Pty Ltd and/or Morningstar Research Ltd (together "Morningstar"). This report has been prepared and is intended for distribution in New Zealand

to wholesale clients only and has not been prepared for use by New Zealand retail clients (as those terms are defined in the Financial Markets Conduct Act 2013).

The information, views, and any recommendations in this material are provided for general information purposes only, and solely relate to the companies and investment opportunities specified within. Our reports do not take into account any particular investor's financial situation, objectives, or appetite for risk, meaning no representation may be implied as to the suitability of any financial product mentioned for any particular investor. We recommend seeking financial advice before making any investment decision.

For recipients in Canada: This research is not prepared subject to Canadian disclosure requirements.

For recipients in Europe: This report is distributed by Morningstar Holland B.V., a wholly owned subsidiary of Morningstar, Inc. Morningstar Holland B.V. is not required to be regulated by the European Securities and Markets Authority for the provision of investment research data. The analyst/s involved in the creation of the report do not take into account any particular investor's financial situation, objectives, or appetite for risk, meaning no representation may be implied as to the suitability of any financial product mentioned for any particular investor. Registered address: Haaksbergweg 58, 9th Floor, 1101 BZ Amsterdam, North Holland, Netherlands.

For recipients in India: This report is issued by Morningstar Investment Research India Private Limited (formerly known as Morningstar Investment Adviser India Private Limited). Morningstar Investment Research India Private Limited is registered with SEBI as an Investment Adviser (Registration number INA000001357), as a Portfolio Manager (Registration number INP000006156) and as a Research Entity (Registration Number INH000008686). Morningstar Investment Research India Private Limited has not been the subject of any disciplinary action by SEBI or any other legal/regulatory body. Morningstar Investment Research India Private Limited is a wholly owned subsidiary of Morningstar Investment Management LLC. In India, Morningstar Investment Research India Private Limited has one associate, Morningstar India Private Limited, which provides data-related services, financial data analysis, and software development. The Research Analyst has not served as an officer, director, or employee of the fund company within the last 12 months, nor has it or its associates engaged in market-making activity for the fund company.

For Recipients in Hong Kong: The report is distributed by Morningstar Investment Management Asia Limited, which is regulated by the Hong Kong Securities and Futures Commission to provide investment research and investment advisory services to professional investors only. Neither Morningstar Investment Management Asia Limited, nor its representatives, are acting or will be deemed to be acting as an investment advisor to any recipients of this information unless expressly agreed to by Morningstar Investment Management Asia Limited.

For Recipients in Japan: This report is distributed by Morningstar Japan, Inc. for informational purposes only. Neither Morningstar Japan, Inc. nor its representatives are acting or will be deemed to be acting as an investment advisor to any recipients of this information.

For recipients in Korea: The report is distributed by Morningstar Korea Ltd., which has filed to Financial Supervisory Service, for informational purposes only. Neither Morningstar Korea Ltd., nor its representatives, are acting or will be deemed to be acting as an investment advisor to any recipients of this information.

For recipients in Singapore: This report is distributed by Morningstar Investment Adviser Singapore Pte Limited, which is licensed and regulated by the Monetary Authority of Singapore to provide financial advisory services in Singapore. Recipients of this report should contact their financial advisor in Singapore in relation to this report. Morningstar, Inc., and its affiliates rely on certain exemptions (Financial Advisers Regulations, Section 27(1)(e), Section 32, Band 32C) to provide its investment research to recipients in Singapore.

For recipients in the United Kingdom: This report is distributed by Morningstar UK Ltd, a wholly owned subsidiary of Morningstar, Inc. Morningstar UK Ltd. is not required to be registered nor authorized by the Financial Conduct Authority for the distribution of investment research data. The analyst/s involved in the creation of the report do not take into account any particular investor's financial situation, objectives, or appetite for risk, meaning no representation may be implied as to the

suitability of any financial product mentioned for any particular investor. There are information barriers in place between Morningstar UK Ltd and Morningstar regulated entities based in the UK. Registered address: 1 Oliver's Yard 55-71 City Road London EC1Y 1HQ.

About Morningstar Manager Research

Morningstar Manager Research provides independent, fundamental analysis on managed investment strategies. Morningstar views are expressed in the form of Morningstar Medalist Ratings, which are derived through research of three Fundamental Pillars—People, Process, and Parent and a quantitative assessment of costs in the form of the Medalist Rating Price Score. The Morningstar Medalist Rating is the summary expression of Morningstar's forward-looking analysis of investment strategies as offered via specific vehicles using a rating scale of Gold, Silver, Bronze, Neutral, and Negative. A global research team issues detailed research reports on strategies that span vehicle, asset class, and geography.

Medalist Ratings are not statements of fact, nor are they credit or risk ratings, and should not be used as the sole basis for investment decisions. A Medalist Rating is not intended to be nor is a guarantee of future performance.

About Morningstar Manager Research Services

Morningstar Manager Research Services combines the firm's fund research reports, ratings, software, tools, and proprietary data with access to Morningstar's manager research analysts. It complements internal due-diligence functions for institutions such as banks, wealth managers, insurers, sovereign wealth funds, pensions, endowments, and foundations. Morningstar's manager research analysts are employed by various wholly owned subsidiaries of Morningstar, Inc. including but not limited to Morningstar Research Services LLC (USA), Morningstar UK Ltd, and Morningstar Australasia Pty Ltd.

For More Information

For current Morningstar clients, please reach out to your respective Client Success Manager for more information on how you can best leverage this research within your firm. For all others, please reach out to our business development team at dtainsidesales@morningstar.com to learn more about Morningstar's various offerings and more details about how you can leverage this research.



22 West Washington Street
Chicago, IL 60602 USA

©2026 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses, and opinions presented herein do not constitute investment advice; are provided solely for informational purposes and therefore are not an offer to buy or sell a security; and are not warranted to be correct, complete, or accurate. The opinions expressed are as of the date written and are subject to change without notice. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages, or other losses resulting from, or related to, the information, data, analyses, or opinions or their use. The information contained herein is the proprietary property of Morningstar and may not be reproduced, in whole or in part, or used in any manner, without the prior written consent of Morningstar. To license the research, call +1 312 696-6000.