

Morningstar's Australia Active/Passive Barometer

Skill, survival, and structure: a case for selectivity in active management

Morningstar

Sept. 23, 2026

Zunjar Sanzgiri

Senior Analyst

Manager Research Ratings, Asia-Pacific

Zunjar.Sanzgiri@morningstar.com

Important Disclosure

The conduct of Morningstar's analysts is governed by Code of Ethics, Personal Security Trading Policy (or an equivalent of), and Investment Research Integrity Policy. For information regarding conflicts of interest, please visit:

global.morningstar.com/equitydisclosures

Introduction

The Morningstar Active/Passive Barometer measures the performance of active funds against passive peers in their respective Morningstar Categories. The study spans more than 800 open-end strategies (including open-end funds and exchange-traded funds) domiciled in Australia across nine categories. The Active/Passive Barometer evaluates the efficacy of active funds against a composite of passive fund performance within the corresponding category across trailing three-, five-, and 10-year periods ending June 30, 2026. For the purposes of this study, passive funds include all index-tracking, rules-based, and nondiscretionary investment approaches, including strategic-beta strategies, some of which may embody differentiated investment views in their design.

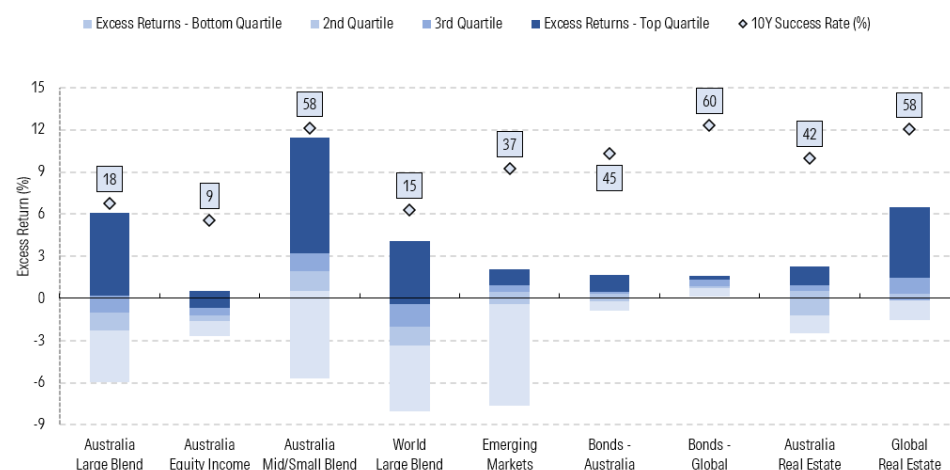
The study gauges how the average dollar invested in active funds has fared versus the average dollar in passive funds within the specified categories across various time frames.

The distribution of active funds' excess returns¹ versus their average passive peer indicates not just the odds of picking a successful manager but also the prospective payout or penalty.

Key Takeaways

- ▶ Passive strategies outperformed active peers across most segments over the past year, leading to a decline in trailing 10-year success rates² across much of the study. Even so, top-quartile active managers in seven of the nine categories delivered positive excess returns over the decade, demonstrating that opportunities for outperformance remain available, albeit increasingly concentrated among a select group of managers.

Exhibit 1 Active Strategy Excess Returns—Manager Selection Remains the Decisive Differentiator



Source: Morningstar Direct. Data as of June 30, 2026. Returns are calculated net of fees and annualized for periods exceeding one year.

- ▶ Exhibit 1 demonstrates that the proportion of surviving active funds with positive excess returns may differ from the overall success rate. For example, in the emerging-markets category, more than half the surviving active strategies outperformed the passive benchmark over the trailing 10-year period, yet only 37% of active funds both survived and outperformed over the full horizon.
- ▶ Australia mid/small-blend exemplifies a category where active management has enjoyed a durable advantage across multiple market environments supported by persistent market inefficiencies. Active managers have often been able to add value through a disciplined application of basic quality and valuation filters.
- ▶ By contrast, the relative merits of active and passive investing in other categories can shift materially as market regimes evolve. The Australian and global bonds categories illustrate this dynamic well. During much of the 2010s, declining interest rates favored passive portfolios with longer-duration benchmark exposures. However, the higher-rate and more volatile environment of recent years has flipped the script.
- ▶ More recently, the equity-income category demonstrated how quickly leadership can reverse. Dividend-oriented passive strategies significantly outperformed active peers over the past year, resulting in a sharp deterioration in active manager outcomes and contributing to weaker success rates across even the longer-term evaluation periods. These examples underscore that while some active-passive outcomes are driven by enduring structural characteristics of the underlying market, others remain heavily influenced by prevailing market conditions and can change significantly over time.
- ▶ Lastly, the results reinforce that long-term success in active management requires managers to both outperform and endure. In this respect, passive strategies retain a notable advantage, consistently exhibiting higher survivorship rates than active peers.

Approach

There are two key metrics we use for determining the efficacy of active funds:

1. Excess Return: The difference between the average return of an active fund and the average return for a passive fund in a particular category over the specified period.
2. Success Rate: The percentage of active funds available at the start of a measurement period that survived and outperformed the passive composite by the end of the period.

2026 Methodology Update

Success rates now reflect both survival and outperformance of funds available at the start of the measurement period. In the previous editions, success rates were calculated only among funds that survived through the evaluation period. Consequently, success rates will generally be lower under the revised methodology and are not directly comparable with figures reported in prior years.

Results by Category

Australia Large Blend

- The Australia large-blend category remains the largest category within the study. Active managers continued to face a difficult environment, with only a minority of funds successfully outperforming passive alternatives after fees and surviving over the full measurement period.
- While the category's one-year success rate improved relative to the trailing 10-year result, longer-term outcomes remain less favorable. An important factor in the lower long-term success rate has been fund closures, as a meaningful proportion of active funds failed to survive the full period under review. This underscores the challenge active managers face not only in generating excess returns but also in delivering durable outcomes over time.

Exhibit 2 Category: Australia Large Blend

Time Period	Active Funds Average Return (%)	Passive Funds Average Return (%)	Excess Return (%)	Active Funds Success Rate (%)	Active Funds Survivorship (%)
1Y	3.3	4.3	-0.9	36.3	93.4
3Y	8.3	10.2	-1.9	26.4	82.2
5Y	6.1	7.4	-1.3	22.9	74.3
10Y	8.2	9.1	-1.0	18.3	66.1

Source: Morningstar Direct. Data as of June 30, 2026. Returns are calculated net of fees and annualized for periods exceeding one year.

Australia Equity Income

- Despite investment mandates across the peer group sharing a common focus on income generation and dividend-paying companies, outcomes between active and passive strategies diverged sharply over the 12 months to June 2026.
- Dividend-oriented passive indexes delivered exceptionally strong returns, resulting in widespread underperformance among active managers and materially weakening success rates across multiple evaluation periods. The disparity was further amplified by a small number of severely underperforming active strategies, which weighed heavily on average category returns. The sharp divergence over the past year had a significant effect on longer-term outcomes, driving the category's 10-year success rate down from 52% as of June 2025 to 9% as of June 2026.
- The recent environment strongly favored the rules-based dividend screens employed by passive strategies, while active managers struggled to translate their broader opportunity set and portfolio flexibility into superior long-term outcomes.

Exhibit 3 Category: Australia Equity Income

Time Period	Active Funds Average Return (%)	Passive Funds Average Return (%)	Excess Return (%)	Active Funds Success Rate (%)	Active Funds Survivorship (%)
1Y	6.3	14.3	-8.1	5.0	100.0
3Y	8.7	12.5	-3.8	10.0	90.0
5Y	6.7	9.3	-2.6	11.1	88.9
10Y	7.4	8.6	-1.3	9.1	90.9

Source: Morningstar Direct. Data as of June 30, 2026. Returns are calculated net of fees and annualized for periods exceeding one year.

Australia Mid/Small Blend

- Active managers continued to demonstrate a clear advantage within the mid/small-blend category despite facing one of their most challenging periods relative to the broad market benchmark. The segment remains conducive to active management, supported by greater pricing inefficiencies, lower levels of research coverage, and a broader investment opportunity set than that available to passive strategies tracking narrowly defined indexes.
- Low fees remain a structural advantage for passive funds, particularly in a category where some active managers levy performance-based fees. Yet, active strategies have continued to deliver meaningfully stronger outcomes over longer horizons. Although relative returns came under pressure over the past year, active managers retained a high level of success, with long-term excess returns and success rates continuing to comfortably exceed those of passive alternatives.

Exhibit 4 Category: Australia Mid/Small Blend

Time Period	Active Funds Average Return (%)	Passive Funds Average Return (%)	Excess Return (%)	Active Funds Success Rate (%)	Active Funds Survivorship (%)
1Y	8.2	9.6	-1.4	31.7	97.0
3Y	11.9	9.8	2.1	45.6	88.9
5Y	4.7	4.2	0.5	40.7	82.6
10Y	10.4	7.1	3.3	58.1	74.4

Source: Morningstar Direct. Data as of June 30, 2026. Returns are calculated net of fees and annualized for periods exceeding one year.

World Large Blend

- The dominance of US large-cap equities continued to shape outcomes in the world large-blend category. Strong returns from a narrow group of mega-cap technology stocks created a formidable hurdle for active managers, many of whom remained underweight the market's largest winners.
- While the category's one-year success rate improved relative to longer-term historical outcomes, the average active fund still underperformed the passive composite benchmark by a considerable margin. The results highlight the ongoing difficulty of overcoming benchmark concentration risk, even during periods when macroeconomic uncertainty and market volatility might ordinarily be expected to create opportunities for active stock selection.

Exhibit 5 Category: World Large Blend

Time Period	Active Funds Average Return (%)	Passive Funds Average Return (%)	Excess Return (%)	Active Funds Success Rate (%)	Active Funds Survivorship (%)
1Y	8.6	14.2	-5.6	35.6	93.1
3Y	12.6	16.3	-3.6	28.1	80.4
5Y	8.9	11.7	-2.8	23.2	68.8
10Y	12.1	13.5	-1.4	14.6	65.6

Source: Morningstar Direct. Data as of June 30, 2026. Returns are calculated net of fees and annualized for periods exceeding one year.

Emerging-Markets Equity

- The emerging-markets category continues to exhibit one of the widest ranges of outcomes among active managers. The breadth of the opportunity set, varying country and sector exposures, and diverse investment styles employed by managers contribute to significant performance dispersion across the peer group.

- Even as active managers maintained a respectable success rate relative to passive alternatives, average category returns were weighed down by a subset of particularly weak-performing funds. As a result, the average active fund compared less favorably with the passive benchmark than success-rate statistics alone might suggest. Performance dispersion remains a defining feature of the category, with a substantial gap separating the highest- and lowest-performing active strategies.
- Prudent manager selection remains the primary determinant of investor outcomes in this category, given the significant dispersion in performance across active strategies.

Exhibit 6 Category: Emerging-Markets Equity

Time Period	Active Funds Average Return (%)	Passive Funds Average Return (%)	Excess Return (%)	Active Funds Success Rate (%)	Active Funds Survivorship (%)
1Y	27.5	34.1	-6.7	41.3	89.1
3Y	16.6	20.3	-3.7	30.4	76.1
5Y	6.8	8.8	-2.1	23.7	71.1
10Y	9.5	10.0	-0.5	36.7	63.3

Source: Morningstar Direct. Data as of June 30, 2026. Returns are calculated net of fees and annualized for periods exceeding one year.

Bonds—Australia

- Active fixed-income managers continue to hold an advantage in the Australia bond category, with success rates and excess returns remaining broadly supportive of active management over longer evaluation periods. The ability to actively manage duration exposure, vary allocations between government bonds and credit, and selectively allocate within corporate credit has continued to differentiate active strategies from passive alternatives.
- Active managers have generally benefited from their flexibility to adjust portfolio positioning in response to changing market conditions, while passive portfolios remain constrained by benchmark composition. However, the category has also experienced a decline in fund survivorship, with several active strategies being discontinued over the past year.
- Given the modest impact it has on category success rates, it serves as a reminder that investors face not only performance risk but also the risk of strategy closures and mergers when allocating to active strategies.

Exhibit 7 Category: Bonds—Australia

Time Period	Active Funds Average Return (%)	Passive Funds Average Return (%)	Excess Return (%)	Active Funds Success Rate (%)	Active Funds Survivorship (%)
1Y	2.2	1.1	1.1	85.2	96.2
3Y	4.3	4.1	0.2	47.9	77.1
5Y	0.9	0.2	0.7	55.3	78.7
10Y	1.9	1.6	0.3	44.7	65.8

Source: Morningstar Direct. Data as of June 30, 2026. Returns are calculated net of fees and annualized for periods exceeding one year.

Bonds—Global

- Active managers in the global bonds category have continued to distinguish themselves from passive alternatives, with surviving funds continuing to record a 100% success rate against the passive composite over both the five- and 10-year periods. The category has been particularly supportive of active management, as managers have demonstrated skill in navigating interest rate cycles through

dynamic duration positioning while enhancing returns through sector selection and selective exposure to higher-yielding credit securities.

- Although the strongest active managers have continued to deliver compelling outcomes, overall success rates remain constrained by historically low survivorship within the category. Encouragingly, survivorship trends have improved materially in recent years, resulting in a more stable active opportunity set. Nevertheless, the category highlights that successful active investing depends not only on manager skill but also on selecting strategies with the durability to remain available throughout the investment horizon.

Exhibit 8 Category: Bonds—Global

Time Period	Active Funds Average Return (%)	Passive Funds Average Return (%)	Excess Return (%)	Active Funds Success Rate (%)	Active Funds Survivorship (%)
1Y	3.2	1.6	1.6	90.6	100.0
3Y	3.8	2.5	1.3	76.7	86.7
5Y	-0.0	-1.3	1.3	71.4	75.0
10Y	1.3	0.5	0.8	60.0	60.0

Source: Morningstar Direct. Data as of June 30, 2026. Returns are calculated net of fees and annualized for periods exceeding one year.

Australia Real Estate

- Despite the concentrated nature of the Australian real estate market, active managers have continued to face challenges in differentiating themselves from passive alternatives. While performance was heavily influenced by a small number of large index constituents, many active strategies remain relatively close to benchmark weights, limiting opportunities to generate meaningful excess returns through stock selection.
- The constrained opportunity set has contributed to a relatively narrow dispersion of returns among active funds, as only a handful of managers have been willing to take sizable active positions away from the index. Consequently, average active returns have remained heavily influenced by the performance of the largest listed REITs, reducing the scope for active management to differentiate and add value despite the apparent inefficiencies of a concentrated market.
- As in prior years, survivorship effects remain an important consideration when interpreting category statistics, with fund closures and mergers among underperforming active strategies weighing on aggregate return outcomes.

Exhibit 9 Category: Australia Real Estate

Time Period	Active Funds Average Return (%)	Passive Funds Average Return (%)	Excess Return (%)	Active Funds Success Rate (%)	Active Funds Survivorship (%)
1Y	-2.5	-1.8	-0.7	46.2	100.0
3Y	9.7	10.6	-0.9	48.3	82.8
5Y	5.1	5.0	0.1	41.9	71.0
10Y	5.1	5.3	-0.2	42.4	63.6

Source: Morningstar Direct. Data as of June 30, 2026. Returns are calculated net of fees and annualized for periods exceeding one year.

Global Real Estate

- The global real estate category delivered a notably stronger outcome for active managers over the 12 months to June 2026, with many strategies benefiting from an expanding opportunity set and greater dispersion across property subsectors. Even as long-term success rates remain finely balanced, recent

results demonstrate the potential for active managers to add value through stock selection and portfolio positioning.

- ▶ Currency management remains a critical driver of investor outcomes within the category. The appreciation of the Australian dollar against the US dollar over the past year proved beneficial for currency-hedged strategies relative to their unhedged counterparts. Given the category's mix of hedged and unhedged funds, currency movements continue to influence aggregate results and complicate direct comparisons across managers.
- ▶ Structural changes within the listed real estate universe have also created opportunities for active management. The growing importance of data centers and other specialized real estate segments has altered index composition over time, requiring active managers to assess whether benchmark weights appropriately reflect underlying fundamentals. The ability to take differentiated positions relative to these evolving market dynamics has become an increasingly important contributor to excess returns.
- ▶ Notwithstanding the influence of short-term currency fluctuations, such effects are likely to be less significant over longer investment horizons. As higher interest rates continue to reshape the operating environment for listed property securities, active managers may be well-positioned to exploit the resulting opportunities and inefficiencies, supporting the case for active management within the category.

Exhibit 10 Category: Global Real Estate

Time Period	Active Funds Average Return (%)	Passive Funds Average Return (%)	Excess Return (%)	Active Funds Success Rate (%)	Active Funds Survivorship (%)
1Y	11.3	13.3	-2.0	53.3	96.7
3Y	8.5	8.8	-0.3	41.4	96.6
5Y	2.8	2.1	0.7	41.4	89.7
10Y	4.4	3.4	1.0	57.7	84.6

Source: Morningstar Direct. Data as of June 30, 2026. Returns are calculated net of fees and annualized for periods exceeding one year.

Note

- ▶ The distribution of fund returns within a category is not always symmetrical around the calculated average performance. Consequently, return outliers can skew average results such that average excess returns may not always align with the observed success rates.
- ▶ We use "beginning-of-period" categories for each fund (that is, the categorizations that would have been used by a potential investor at the time of the investment decision). Some funds may have subsequently migrated to other categories as fund attributes change or as the classification system evolves.
- ▶ The study mitigates survivorship bias by including the applicable returns for funds that closed before the end of the period. When a fund becomes obsolete, its historical data remains in the sample. Funds that inception or are moved into the category after the start of the period are not included.

Limitations

- ▶ Across all categories, the number of passive funds is far smaller than the number of active funds. The number of passive funds with long histories is quite limited. Thus, we have capped our longest trailing period at 10 years, where we have at least three passive strategies with continuous records in each of the nine categories.
- ▶ Owing to the limitations of data availability in Australia, the return for each strategy is measured using equal-weighted returns (instead of asset-weighted returns used in some other regions) for the share classes associated with it. As a result, the presence of funds that are listed on platforms and master trusts with higher total fees and lower assets may understate returns in some cases.
- ▶ Similarly, the calculated average returns are not asset-weighted; that is, the returns for all the funds are equally weighted. It is possible that the return of smaller funds may have an outsize impact. The presence of sufficiently large sample sizes should mitigate (but not eliminate) this effect.
- ▶ The passive strategies within a category can include niche indexes that may behave quite differently from each other and from the typical category index return characteristics. The availability of investable indexes within the category is a key input in the passive composite calculations. For instance, there are several passive funds tracking the popular S&P/ASX 200 index in the reasonably homogeneous Australia large-blend category. However, there is no universal "equity-income" index, and the active funds composing the Australia equity-income category can be spread across the market spectrum. This can lead to a wide dispersion of returns within the category, resulting in skewed success rates, especially in the short term.

Glossary

Equal-Weighted Returns

To calculate the return figure for strategies with multiple share classes, we take the simple average of the monthly returns for each share class in the group and compound those returns over the same period. When a fund becomes obsolete, its historical data remains in the sample. Funds that inception or are moved into the category after the start of the period are not included. The currency for the return calculations is the Australian dollar.

Survivorship

To calculate survivorship, we divide the number of distinct strategies that started and ended the period in question by the total number of funds that existed at the onset of the period in question (the beginning of the trailing one-, three-, five-, and 10-year periods).

Excess Return

The excess return is the difference between the average return of an active fund and the average return for a passive fund in a particular category over the specified period. This figure includes returns for strategies that may have merged or may have become obsolete after the start of the calculation period.

A positive (negative) number indicates that an investment divided equally across the active funds in a particular category outperformed (or underperformed) an equal investment divided equally across the comparable passive funds.

Success Rate

The success rate indicates what percentage of funds that started the sample period went on to survive and generate a return in excess of the equal-weighted average passive fund return over the period. This approach differs from the convention of using a single representative index to gauge success. We do not consider the magnitude of outperformance in defining success: A fund that just barely beat the benchmark alternative counts as much as a fund that significantly outperformed.

We calculate the equal-weighted returns of all the fund's share classes to come up with a single return figure for each active fund. We then rank the funds by their composite returns, count the number that rank higher than the equal-weighted average return for the passive funds in the category, and divide that number by the number of funds at the beginning of the period (using the same number from the denominator of the survivorship calculations).

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.