

Australian Retailing: Q1 2024

Discretionary sector rallying on overblown tailwinds.



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>

Table of Contents

Key Takeaways and Valuation Snapshot: Sales Momentum Improving, but No Repeat of Boom	3
Macroeconomic Drivers and Indicators: Expected Rate Cuts Unlikely to Result in Retail Surge	7

Retailing Categories and E-Commerce: Apparel and Dining Out Coming Back to Earth	13
Top Picks and Industry Coverage: Quick Service Restaurants to Benefit From Trading Down	17

Morningstar Equity Research

Johannes Faul, CFA
Director of Equity Research, ANZ

Key Takeaways and Valuation Snapshot

Sales momentum improving, but no repeat of boom.

KEY TAKEAWAYS

Improving Sales Growth Unlikely to Reach Anywhere Near Recent Boom Years

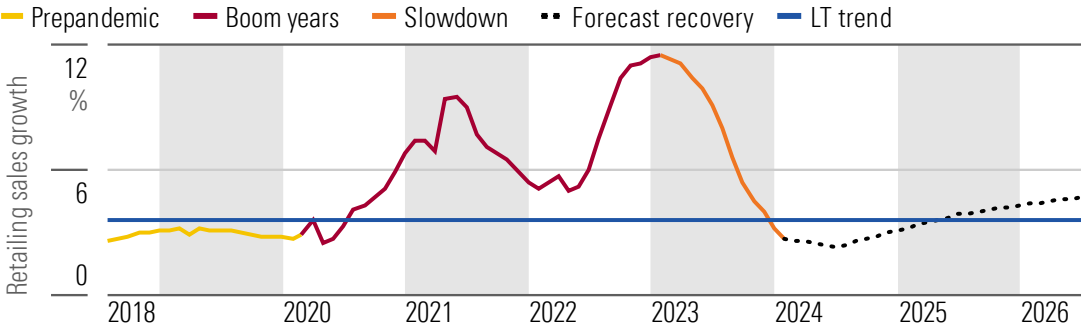
Talk of interest rate cuts and impending tax cuts are sparking a rally in consumer cyclicals. We agree these factors improve the near-term outlook for consumer spending, with cyclical retailers more exposed. We expect the combined impact of fiscal and monetary tailwinds to underpin mid-single-digit growth in total retailing sales in the medium term — compared with our estimate of only 2% growth in fiscal 2024.

However, we suspect the market is expecting a much more pronounced recovery. Cyclicals currently trade at an average 17% premium to our fair values, with material downside if sales and earnings disappoint — although some appealing opportunities exist.

While we expect retail to recover through to fiscal 2026, we’re not anticipating anything like the boom we saw after the pandemic. The postpandemic retail surge was underpinned by pent-up demand, unprecedented fiscal stimulus, and emergency monetary policy settings.

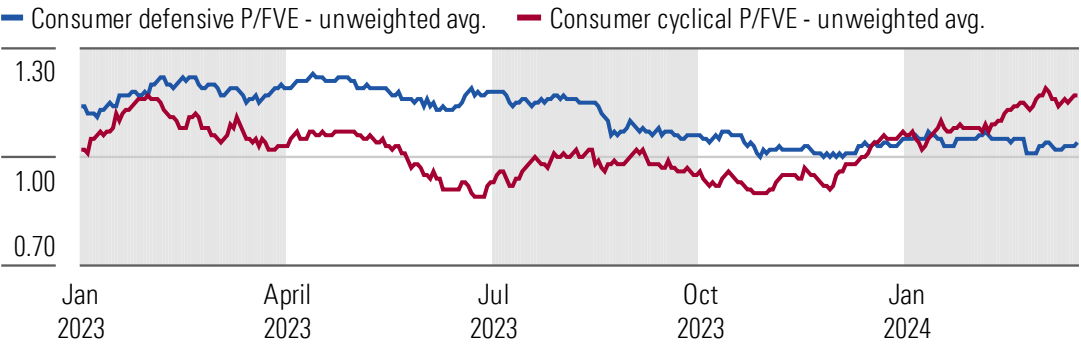
We think this rebound will look different. In contrast to the largesse during the pandemic, this government is concerned with fighting inflation and firming its economic management credentials, with the Treasurer warning we won’t see “big cash splashes” in the upcoming budget. Stage 3 tax cuts will be supportive, but we estimate only a modest contribution to fiscal 2025 consumption growth. Monetary policy, too, will alleviate some of the pressure on households. But on current market forecasts, the cash rate in fiscal 2025 only returns to the still-elevated levels of early 2023, nowhere near the ultra-low emergency settings of the pandemic.

Retailing Sales Growth Returning to Normal After Pandemic-Related Volatility



Source: Australian Bureau of Statistics, Morningstar. Note: Long-term trend 10-year CAGR to June 2019.

Cyclicals Look Expensive After Recent Rally



Source: Morningstar. Data as of March 15, 2024. Note: P/FVE<1 is undervalued, and P/FVE>1 is overvalued.

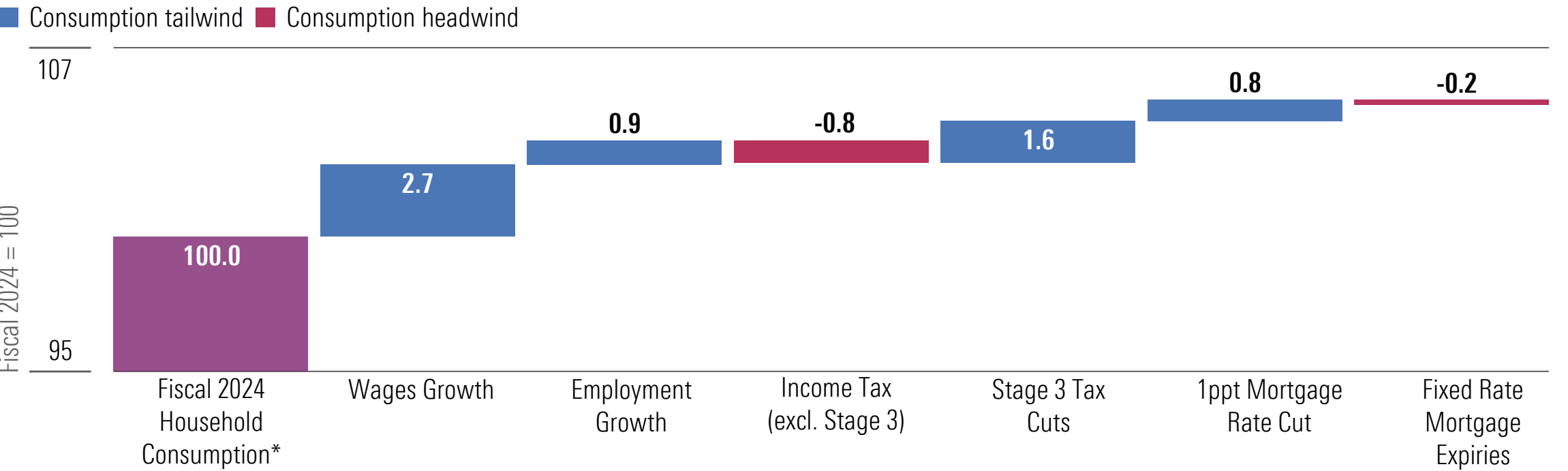
KEY TAKEAWAYS

Interest Rate and Tax Cuts Unlikely to Propel Retail Sales Growth

We don't see the much-anticipated stage 3 tax cuts as a game changer for household spending in fiscal 2025. At a cost of AUD 21 billion in fiscal 2025, stage 3 could add up to 2% to consumption if households spend all the windfall. But for context, this is only one quarter of the size of JobKeeper, which underpinned the postpandemic retail boom. Meanwhile, 100 basis points of mortgage cuts—broadly in line with market expectations—adds less than 1% to spending on our calculations and will be partly offset by fixed-rate mortgage expiries.

Interest Rate and Tax Cuts Supportive, but Wages Are Main Driver of Consumption Growth

Estimated impact of select key consumption drivers in fiscal 2025.



Source: Australian Bureau of Statistics, Reserve Bank of Australia, The Commonwealth of Australia, Morningstar. *Based on Reserve Bank of Australia Forecasts.

We See Value in Domino’s, Collins Foods, Kogan, and Accent

With an improving macroeconomic outlook, discretionary retail stocks are rallying. JB Hi-Fi, Premier, and Wesfarmers trade at significant premiums to our fair values.

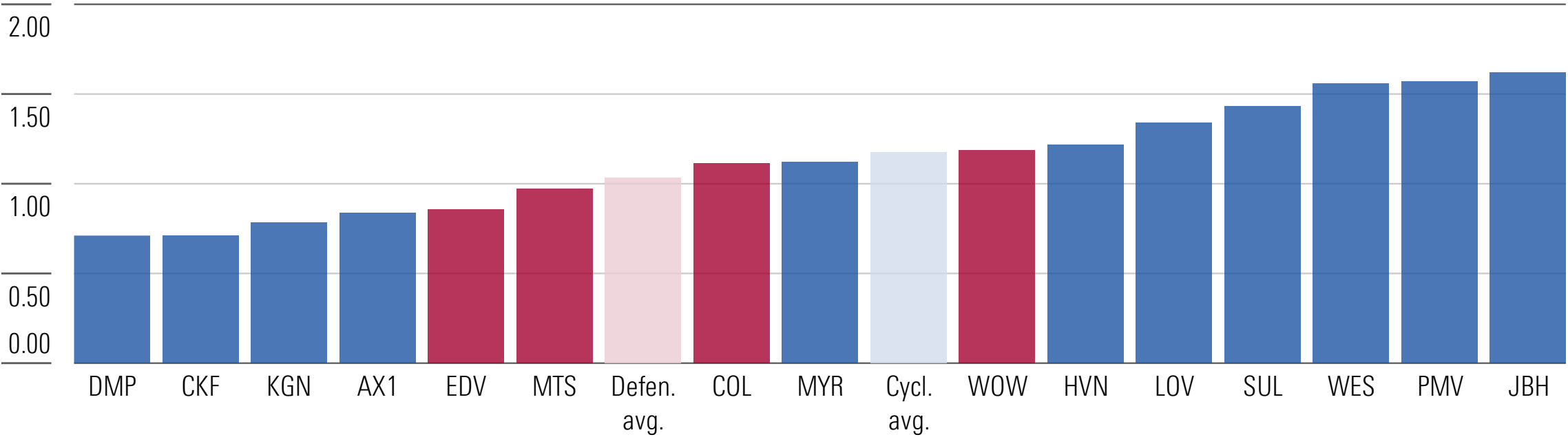
However, we still see value in apparel retailer Accent, despite the near-term earnings headwinds from slower sales and a growing wage bill.

We think trading down will insulate value-focused Domino’s Pizza and Collins Foods, the two cheapest names in our retailing coverage.

On Balance, Smaller Discretionary Retail Stocks Most Appealing

Price/fair value estimate ranking, with P/FVE<1 undervalued, and P/FVE>1 overvalued.

■ Cons. cyclical stocks ■ Cons. defensive stocks ■ Average cyclical ■ Average defensive



Source: Morningstar. Data as of March 15, 2024. Note: Subsector averages are unweighted..

Macroeconomic Drivers and Indicators

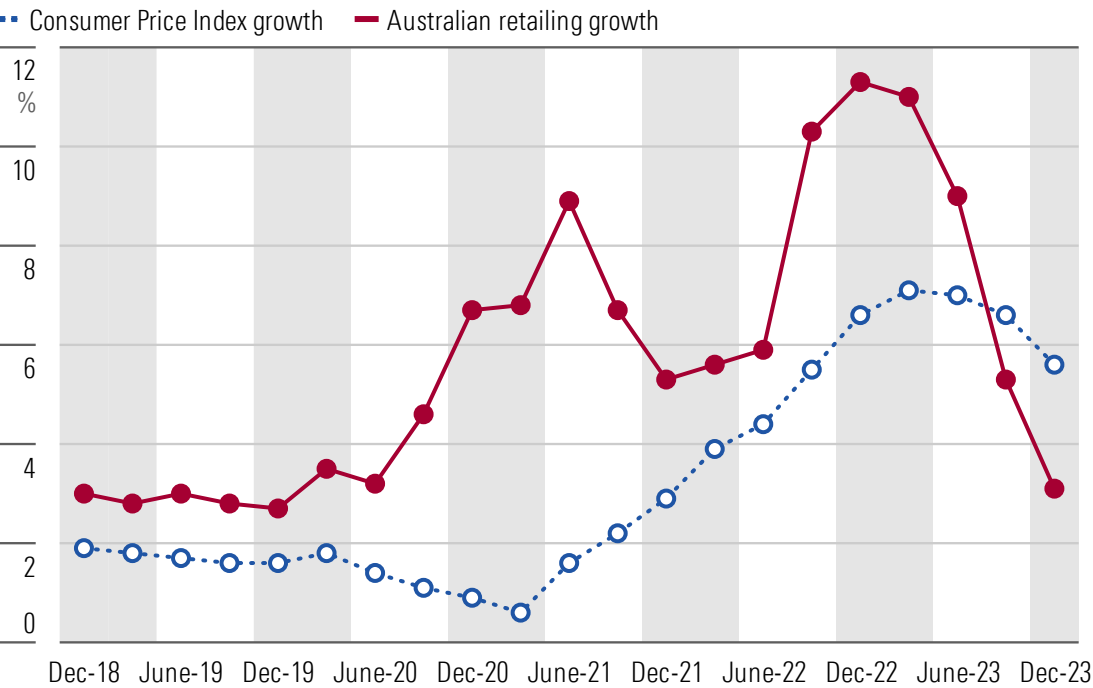
Expected rate cuts unlikely to result in retail surge.

Volumes Declining as Sales Growth Stays Below Inflation

Usually, inflation underpins retailing growth with a rising population further supporting sales. But this relationship has broken down in recent quarters. Inflation growth is outstripping retail sales, translating into negative volume growth in the 12 months to December 2023. With the supply bottlenecks now largely behind us, we think retailers will be forced to compete more on price. As shelf prices cool, and underlying demand remains soft, this should pressure revenue growth and gross profit margins over the rest of fiscal 2024.

Retail Sales Growth Crashes Below Inflation

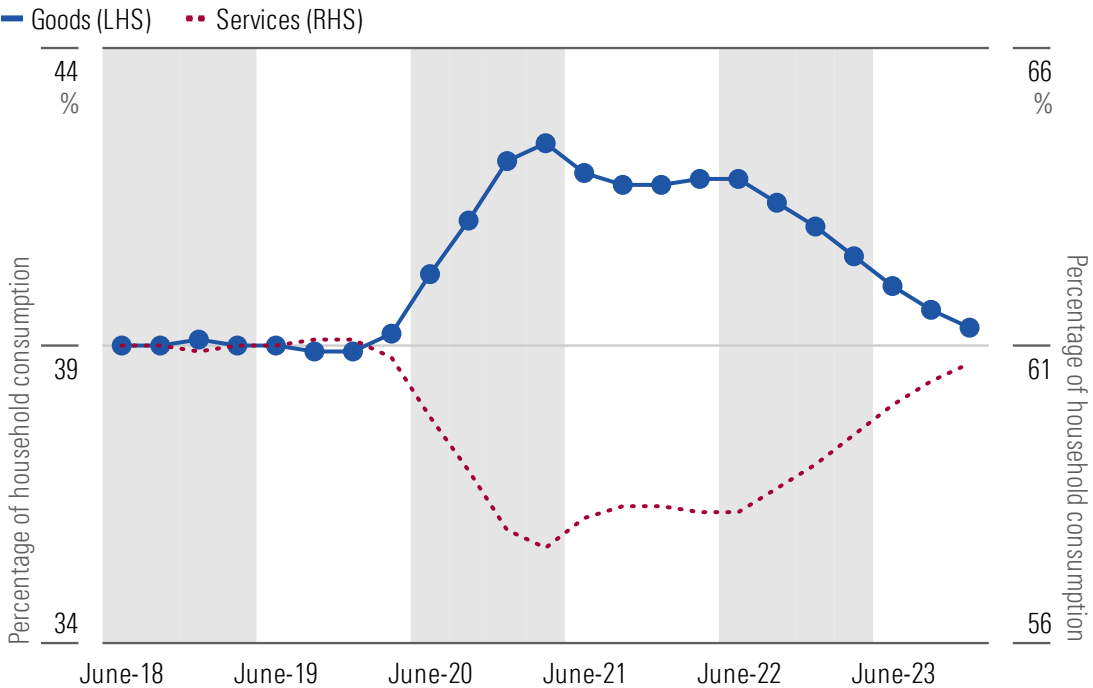
Annual Consumer Price Index growth. Rolling 12-month retail sales growth versus PCP.



Source: Australian Bureau of Statistics. Data as of Dec. 31, 2023.

Spending Split Back to Trend With Risk of Goods Undershooting

Consumption split of goods and services.



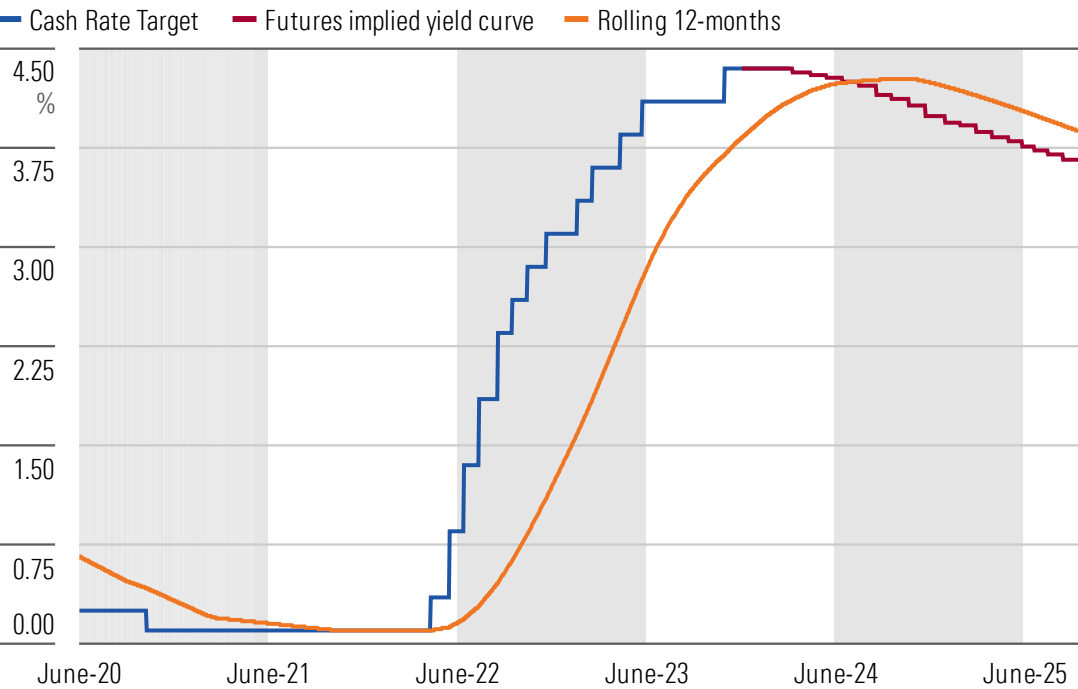
Source: Australian Bureau of Statistics. Data as of Dec. 31, 2023.

Global Inflation Battle Not Over Yet

Recent signs of sticky inflation, particularly in the US, are tempering market expectations around the timing of rate cuts. The futures market expects the Reserve Bank of Australia to deliver its first 25-basis-point cut in third-quarter 2024, with a cumulative 75 basis points by June 2025. This will alleviate some of the pressure on households, but even 100 basis points of rate cuts in fiscal 2025 only brings the cash rate back to levels of early 2023 — only a relatively small one-off sugar hit to household consumption.

Stickier Inflation Delays Timing of Projected Rate Cuts

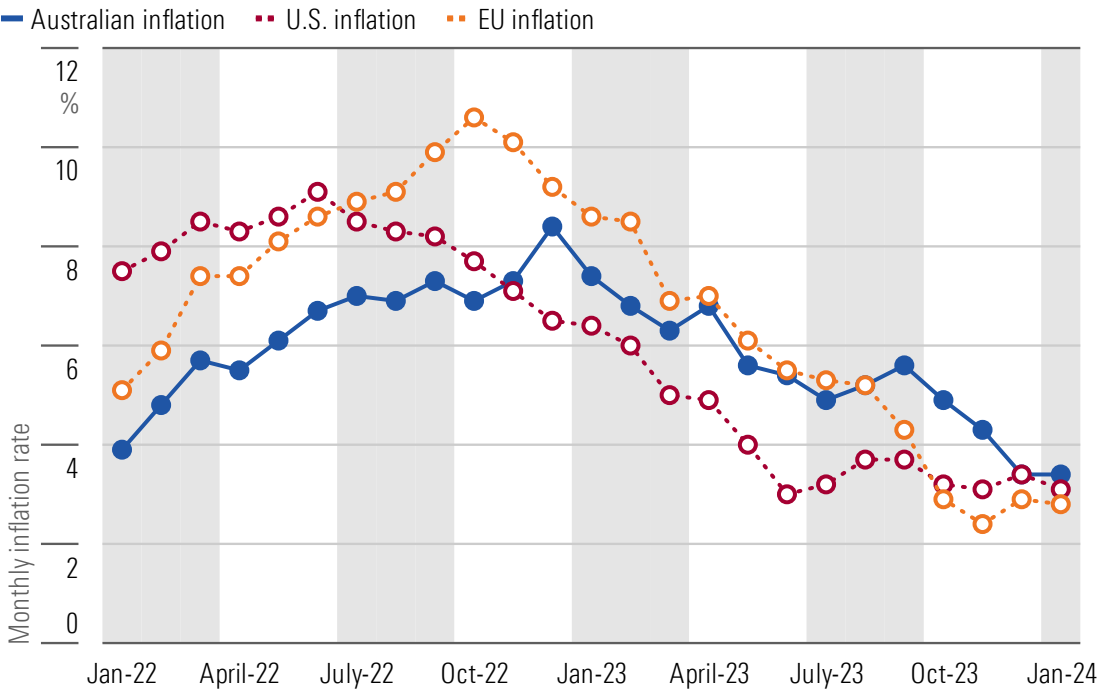
RBA cash rate and 30-day interbank cash rate futures implied yield curve.



Source: Reserve Bank of Australia. Data as of March 6, 2024.

Inflation Rates Converging of Global Peers but Still Outside of Respective Targets

Monthly Consumer Price Index versus the previous corresponding period, or PCP.



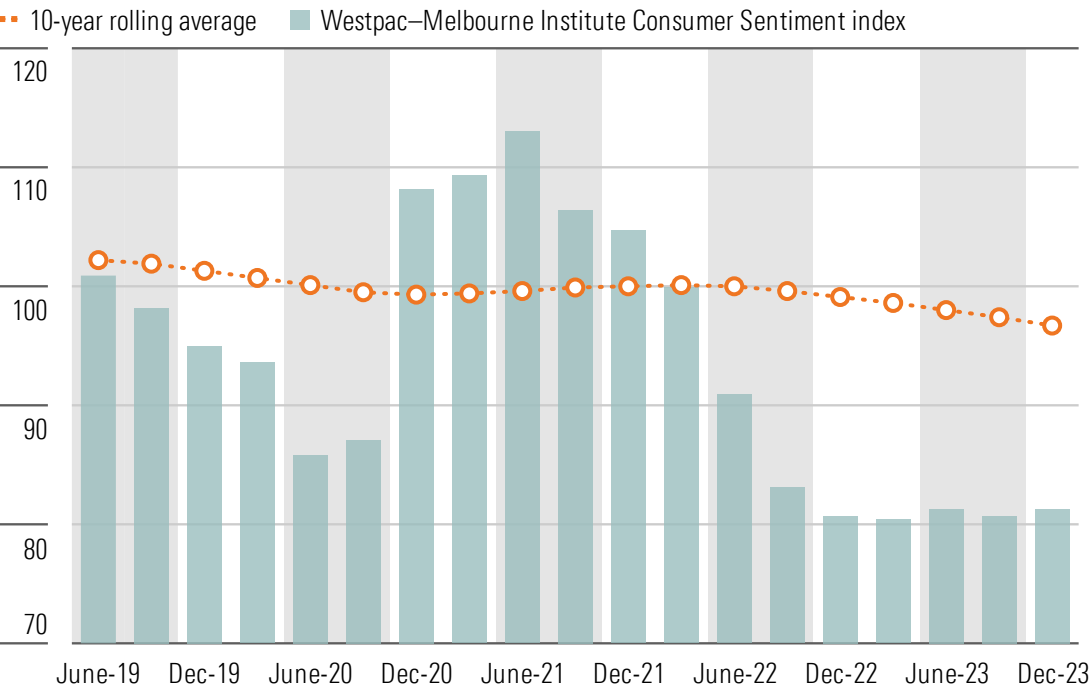
Source: Australian Bureau of Statistics, U.S. Department of Labor, European Central Bank.

Consumer Confidence Tentatively Lifting on More Positive Outlook

Consumer sentiment is recovering from its recent trough, showing a modest improvement in the final quarter of 2023. Cooling inflation and a lower perceived likelihood of further rate hikes are drivers. But sentiment remains in firmly pessimistic territory. This is keeping a lid on retail sales growth, particularly for big-ticket discretionary goods. In 2023, households paid almost 70% more in mortgage interest compared with 2022, and confidence appears to be closely tied to changes in commentary from the Reserve Bank.

Consumer Sentiment Still Very Pessimistic

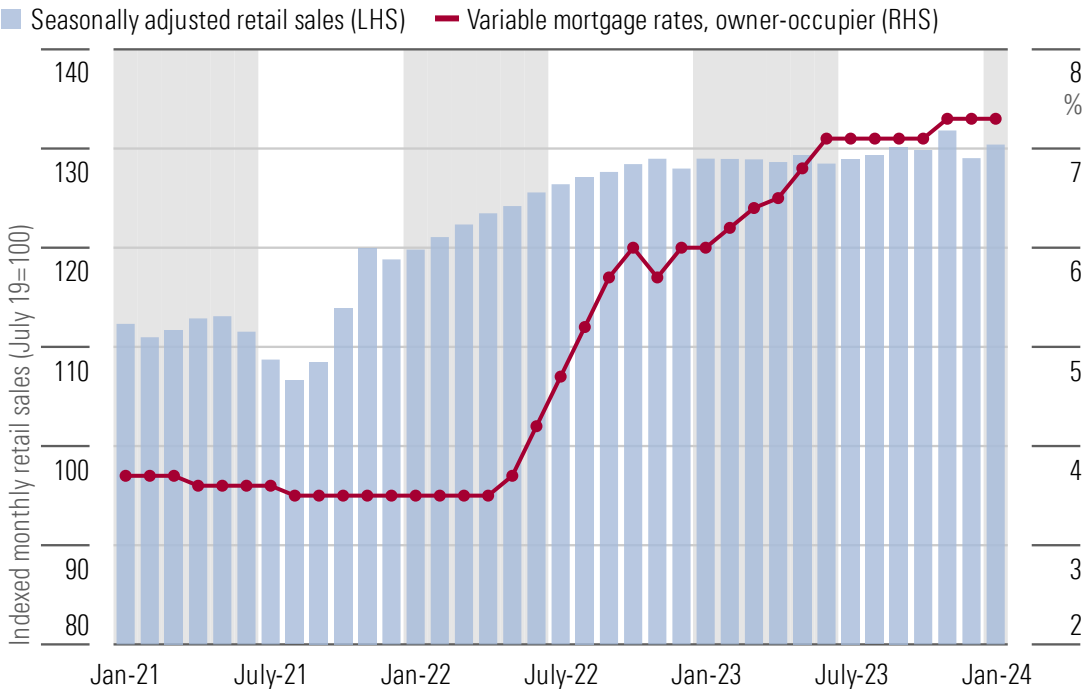
Quarterly average of the Australian Consumer Sentiment Index.



Source: Westpac–Melbourne Institute Survey of Consumer Sentiment.

Interest Repayments Still Building as Rate Hikes Pass Through to Mortgages

Indexed monthly retail sales (July 2019=100) and variable mortgage rates.



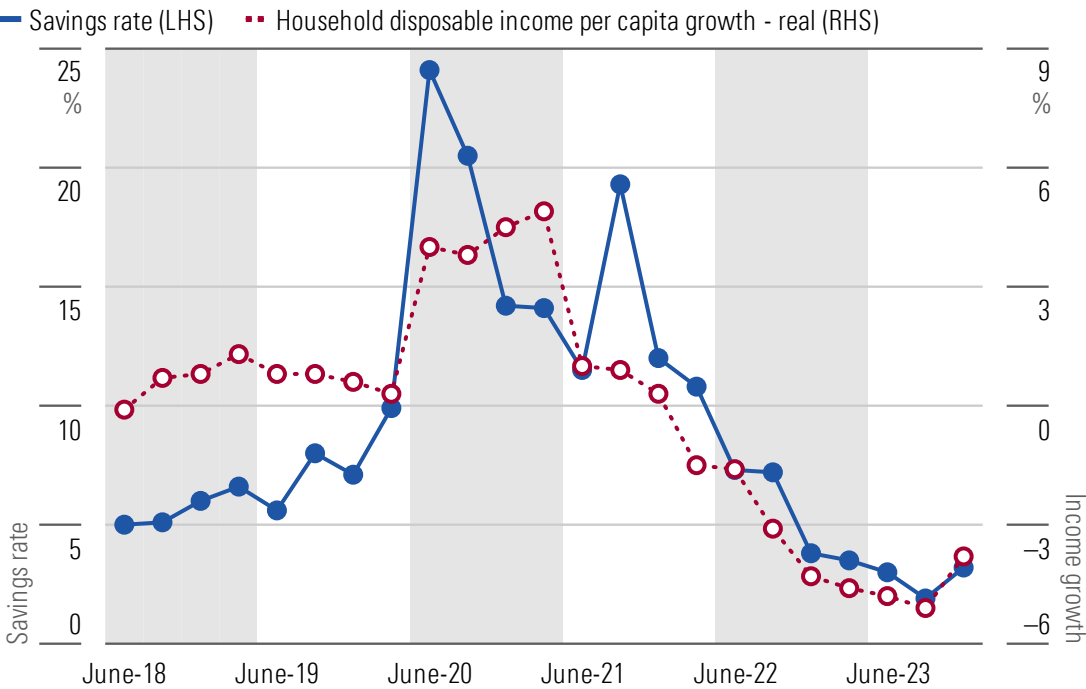
Source: Australian Bureau of Statistics, Reserve Bank of Australia.

Household Savings the Key Swing Factor in Spending

The savings rate ticked up in December 2023, breaking a streak of eight consecutive falls. However, at 3% of household income, savings are well below the long-run average of around 7%. We estimate households accumulated AUD 250 billion of excess savings during the pandemic and are drawing on these to prop up spending while maintaining a lower savings rate. We think around one quarter of this savings buffer has been exhausted. Any increase in the savings rate directly reduces consumption of goods and services, including retailing sales.

Savings Rate Well Below Long-Run Average

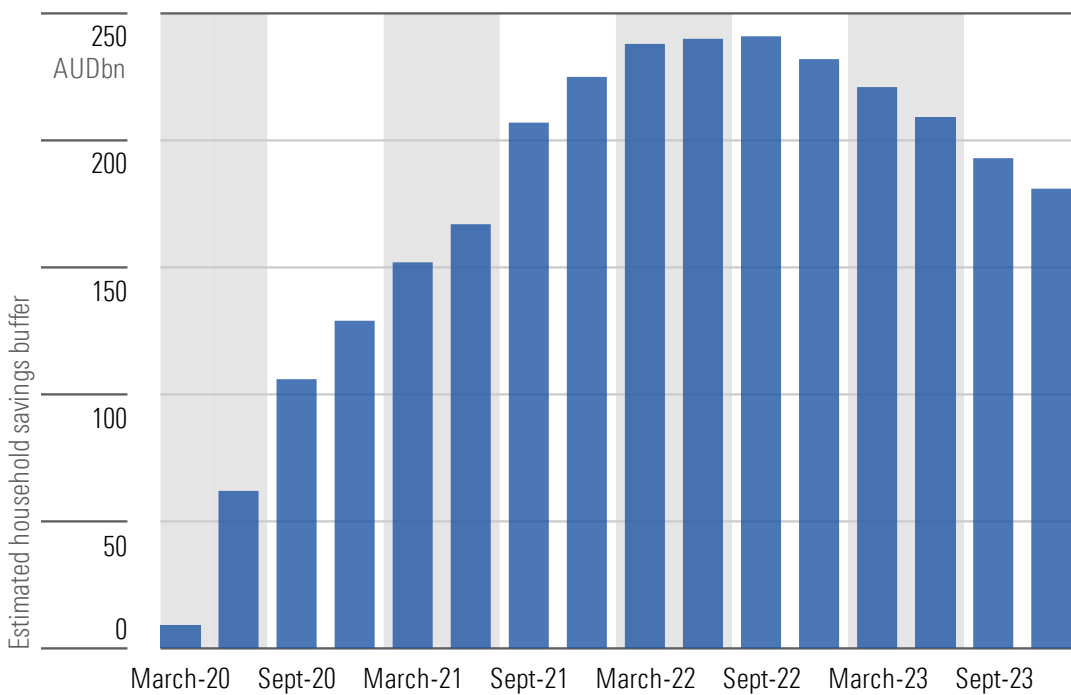
Quarterly savings rate. Rolling 12-month disposable income per capita versus the PCP.



Source: Australian Bureau of Statistics, Morningstar estimates.

Accumulated Savings Unwinding in Response to Cost-of-Living Pressure

Accumulated household savings above 10-year average prepandemic rate.



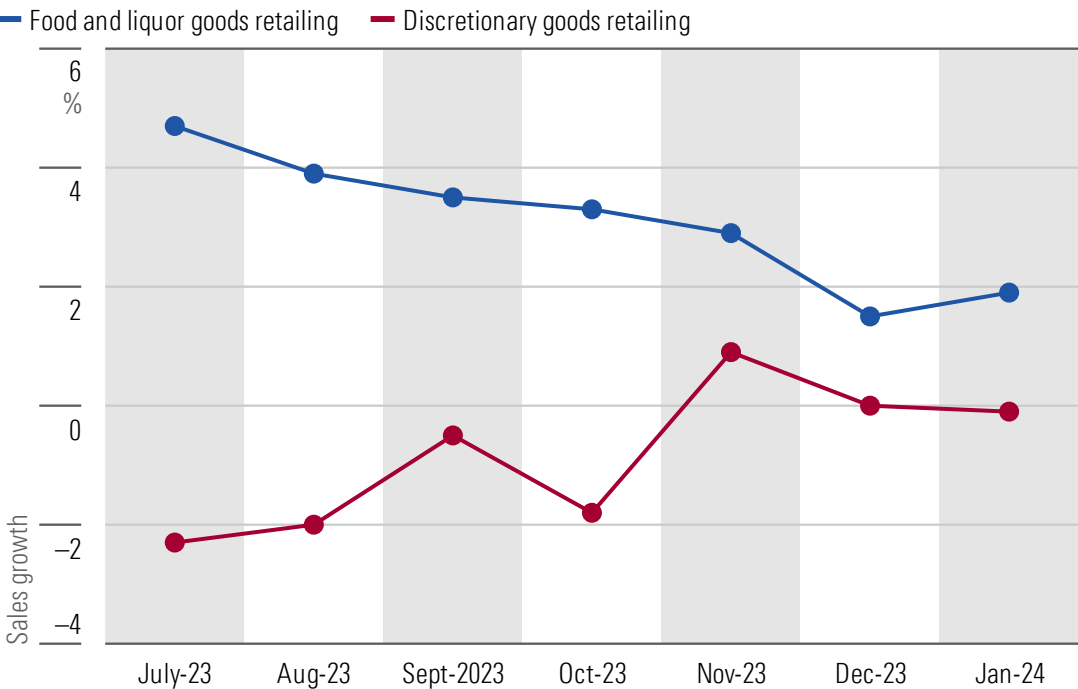
Source: Australian Bureau of Statistics, Morningstar estimates.

Defensives More Resilient as Cyclical Struggles to Tread Water

We expect the Australian retailing industry to grow by 2% in fiscal 2024. But underlying this is a significant divergence across categories, with sales in cyclicals virtually flat and defensives up 4%. As we begin to get some support from fiscal policy in fiscal 2025, and possible monetary easing, discretionary sales momentum should improve. We think total retail sales will grow modestly above the 10-year trend rate in fiscal 2025 and 2026.

Defensives Growth Rate Remains Above Discretionary Spending

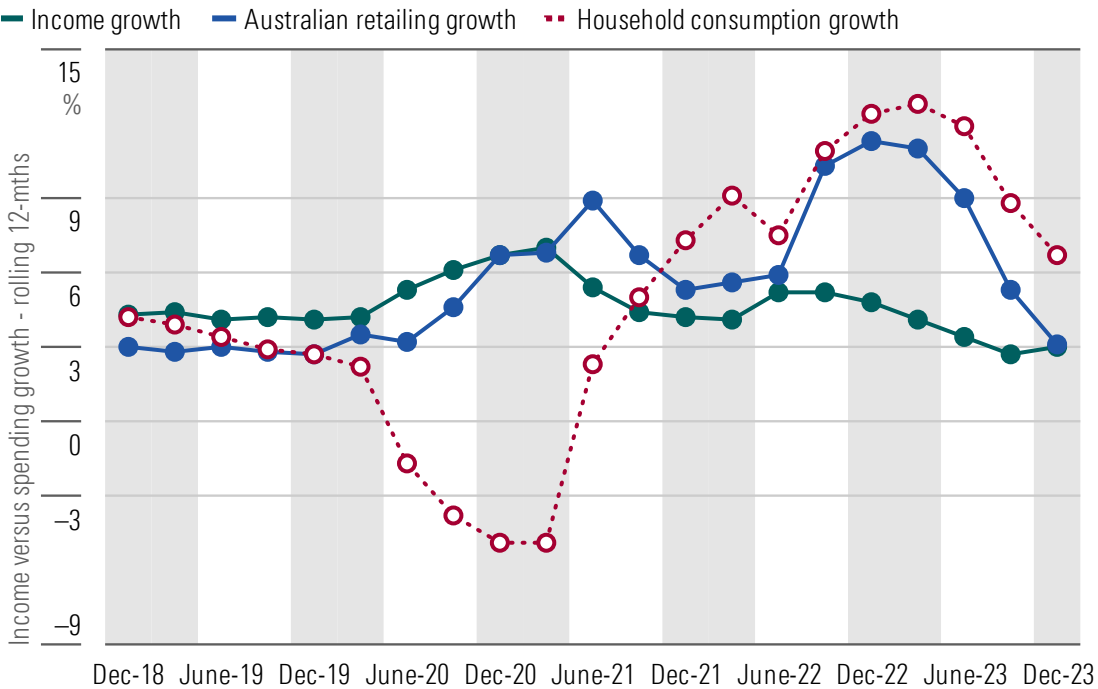
Monthly seasonally adjusted sales growth versus the PCP.



Source: Australian Bureau of Statistics. Note: Discretionary sales excluding cafes, restaurants, and takeaway.

Consumption Growing Ahead of Income, but This Can't Last

Quarterly rolling 12-month income, retail sales, and consumption versus the PCP.



Source: Australian Bureau of Statistics. Data as of Dec. 31, 2023.

Retailing Categories and E-Commerce

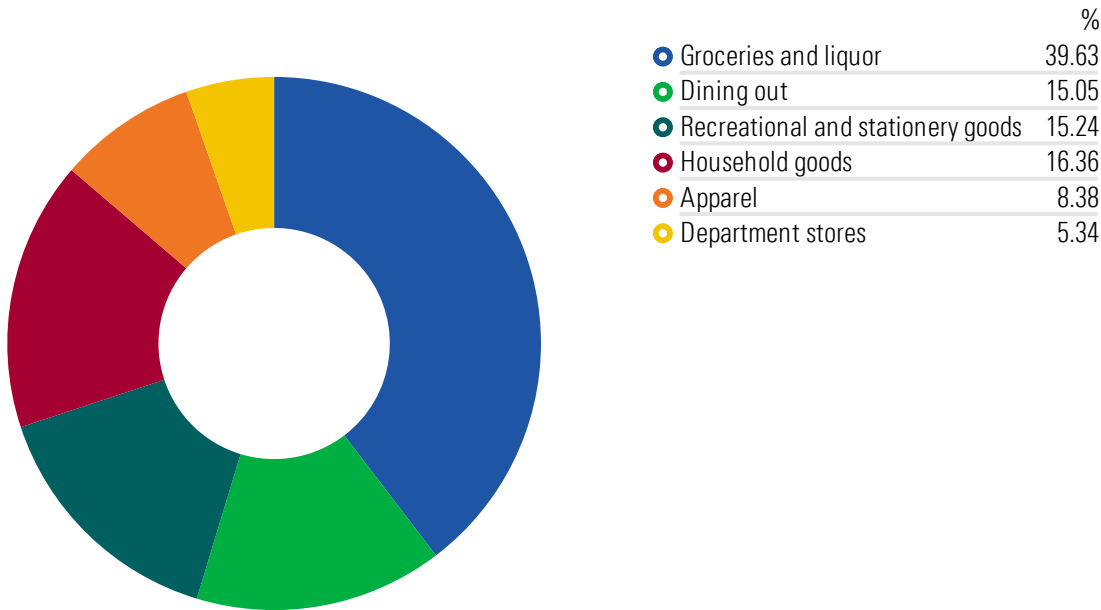
Apparel and dining out coming back to earth.

Above-Trend Apparel Spending at Risk of Correction

As a share of wallet, spending on apparel ballooned as the economy reopened. The category remained comfortably above long-term trend levels in the December 2023 quarter. But wardrobes are replenished, and apparel sales volumes are gradually normalizing, posing a near-term headwind for fashion retailers like Accent, Myer, and Premier. We expect apparel sales to contract 2% in fiscal 2024, and when met with mid-single-digit wage rises, this is set to put significant pressure on retailer profit margins and earnings.

Apparel and Dining Out the Big Winners of the Economic Reopening

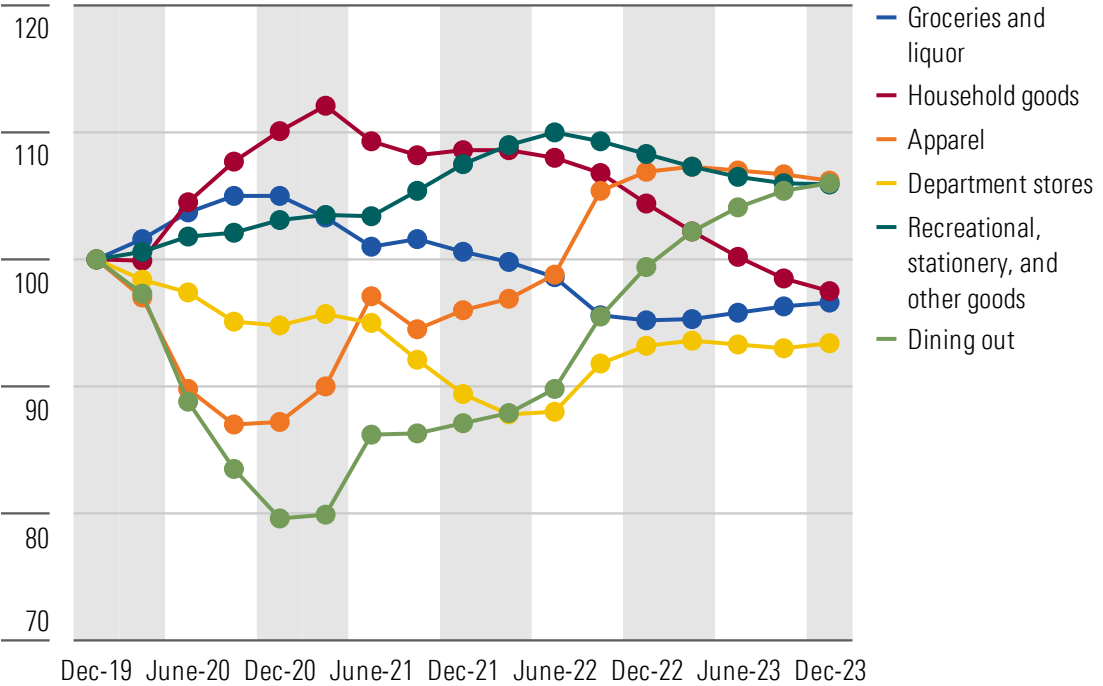
Retail sales split by category for the rolling 12 months to December-quarter 2023.



Source: Australian Bureau of Statistics.

Apparel Looks Particularly Exposed to Spending Normalization

Indexed category share of retail spending on a rolling 12-month basis (Dec. 2019 = 100)



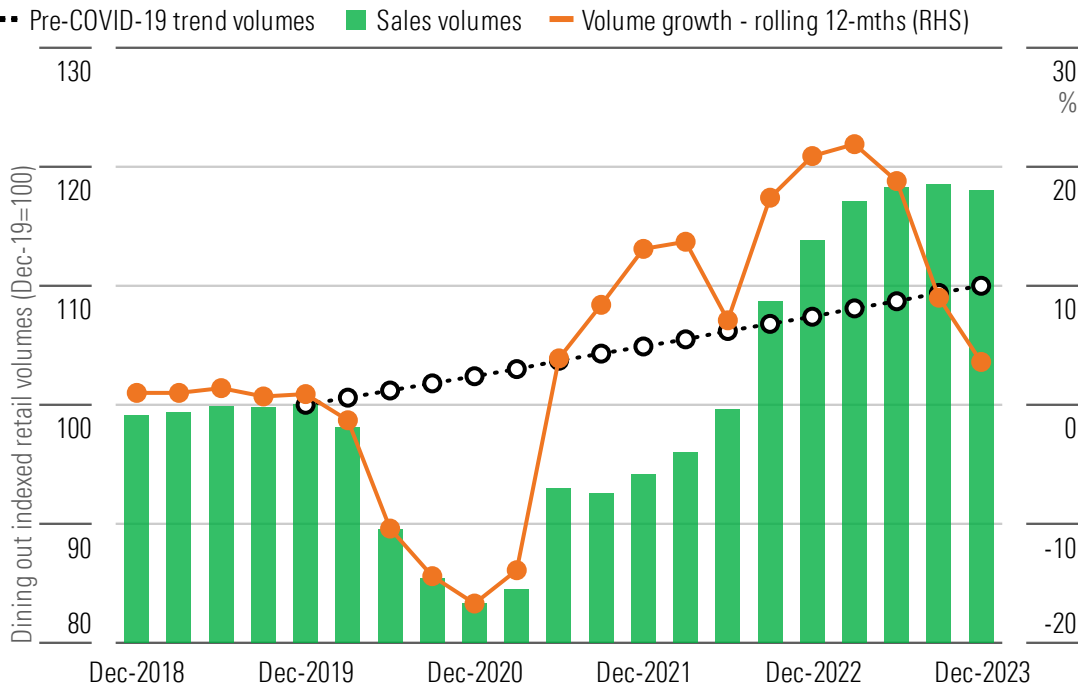
Source: Australian Bureau of Statistics.

Value-Focused Restaurateurs to Outperform Peers as Consumers Trade Down

The heat looks to be coming out of the dining out category following its postpandemic boom. In response to cost-of-living pressures, consumers are trading down, and supermarkets are likely to pick up share at the expense of restaurants and cafes. But within this category, we see quick service restaurants as the least exposed. With a focus on value, the networks of Domino’s Pizza and Collins Foods’ KFC restaurants should fare better than independent eateries.

Deceleration in Eating Out a Boon for Supermarket Volume Growth

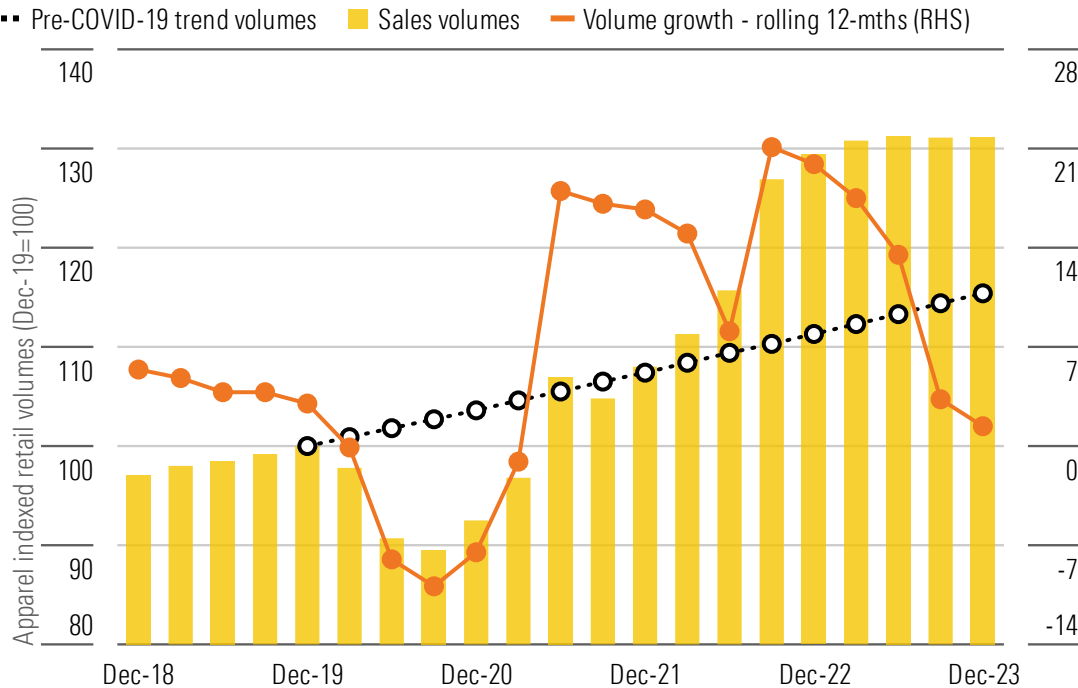
Indexed dining out sales volumes on a rolling 12-month basis.



Source: Australian Bureau of Statistics.

Fashion Sales Hovering at Elevated Levels but Unlikely to Defy Gravity for Long

Indexed fashion sales volumes on a rolling 12-month basis.



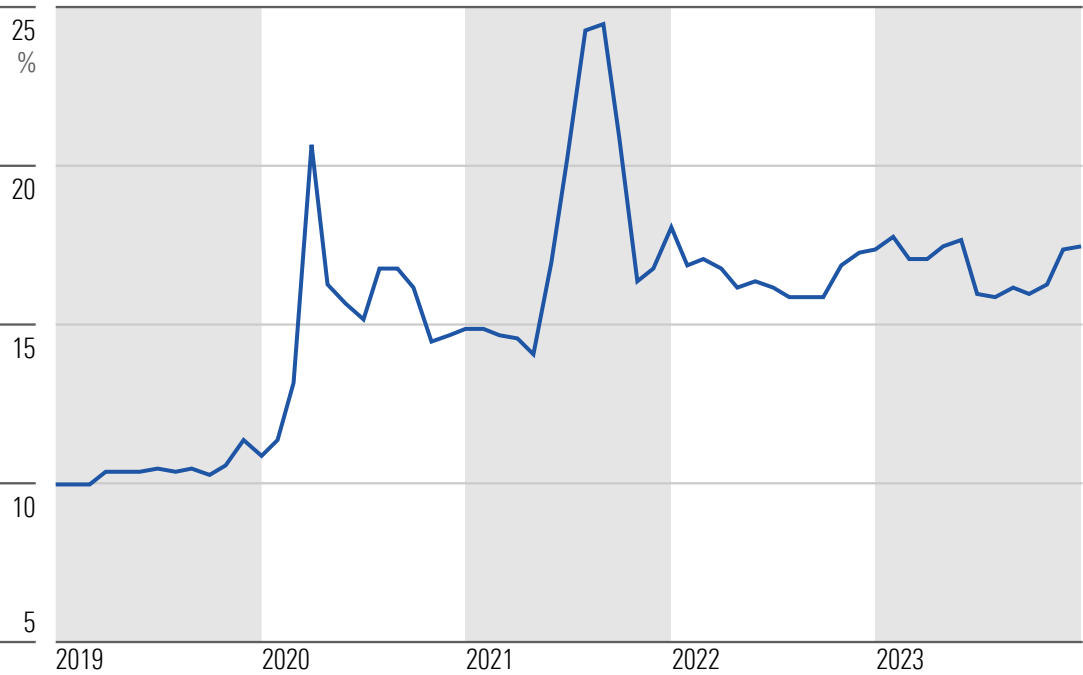
Source: Australian Bureau of Statistics.

Omnichannel Retailers See Online Outperforming Physical Sales Channel

We expect an underlying structural trend of more online shopping to persist over the long term. Online sales took a step back when the economy reopened and some shoppers chose to return to physical stores, but most omnichannel retail chains in our coverage are seeing e-commerce outperform store-originated sales. Retailers with greater online exposure are likely to take market share at the expense of retailers that rely more heavily on a brick-and-mortar network, like JB Hi-Fi and Harvey Norman, respectively.

After Postpandemic Consolidation, Online Penetration Is Gathering Momentum

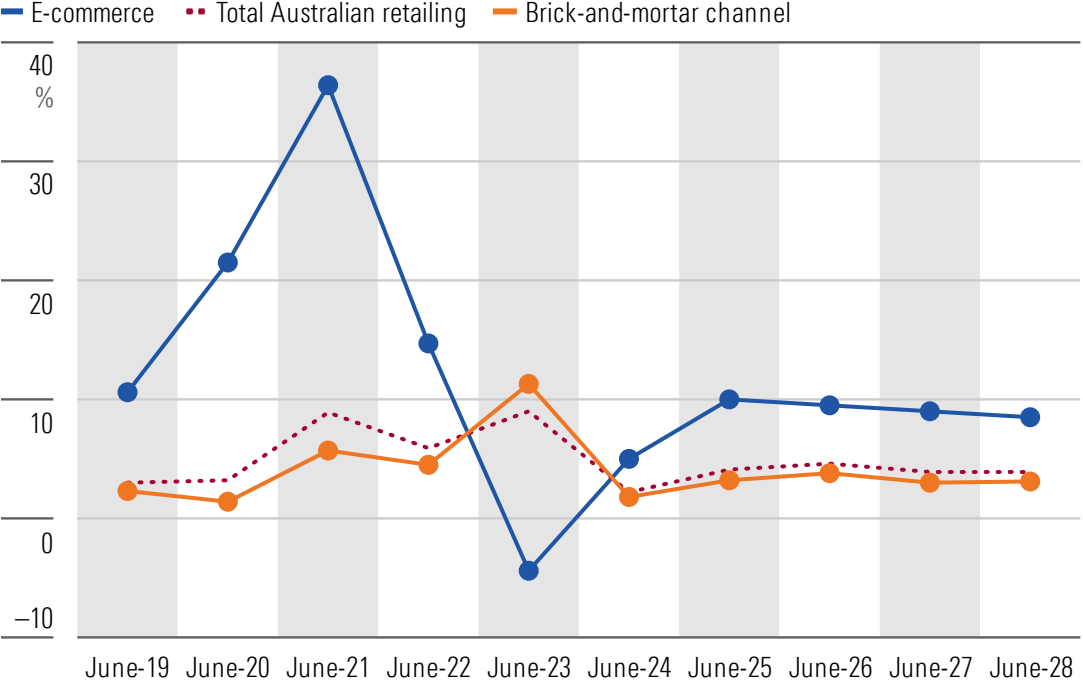
Online penetration of discretionary retailing sales.



Source: Australian Bureau of Statistics.

E-Commerce to Grow Ahead of Physical Sales

Annual channel growth rate versus the PCP.



Source: Australian Bureau of Statistics, National Australia Bank, Morningstar estimates.

Top Picks and Industry Coverage

Quick service restaurants to benefit from trading down.

Short-Term Challenges Weigh Excessively on Strong Fast-Food Brands

Australian Cyclical Retailer - Apparel Retailing

P/FV	Company (Ticker)	Rating	P/FV	Moat	Uncertainty
	Accent Group (ASX:AX1)	★★★★	0.84	Narrow	High
1.75	<p>We think the market is caught up on the near-term cyclical headwinds facing Accent. Granted, fiscal 2024 is shaping up to be tough. The postlockdown boom in apparel sales looks to be running out of steam, and wage costs will pressure margins. But Accent’s narrow moat, sourced from long-standing relationships with global footwear brands and a vast store network, positions it well for a cyclical upturn. We anticipate a strong earnings recovery from fiscal 2025, with mid-single-digit same-store sales growth compounded by a brisk store rollout. We anticipate operating leverage to drive EBIT margins to our midcycle assumption of 11%, from a forecast trough of 7% in fiscal 2024.</p>				
1.50					
1.25					
1.00					
0.75					
0.50					
0.25					

Australian Cyclical Retailer - Quick Service Restaurant

P/FV	Company (Ticker)	Rating	P/FV	Moat	Uncertainty
	Domino's Pizza Enterprises (ASX:DMP)	★★★★	0.71	Narrow	High
1.75	<p>Domino's Pizza is a high-quality company with a long growth runway. We forecast a 24% earnings CAGR for the next five years, underpinned by its global store rollout. Domino’s sales growth is volatile, and the share price tends to reflect near-term trading conditions rather than longer-term potential. The near-term outlook is uncertain and hinges on a moderation in elevated inflation. However, we believe Domino’s growth potential is unaffected by near-term woes. We forecast the network to grow to 6,200 stores by fiscal 2033, below management’s long-term target of 7,100. Hitting management's target would lift our valuation by 11%.</p>				
1.50					
1.25					
1.00					
0.75					
0.50					
0.25					

Australian Defensive Retailer - Liquor Retailing and Hospitality

P/FV	Company (Ticker)	Rating	P/FV	Moat	Uncertainty
	Endeavour Group (ASX:EDV)	★★★★	0.86	Wide	Low
1.75	<p>We think the market’s concerns regarding regulatory risk are overdone. Liquor demand is defensive and likely underpinned by inflation and population growth. The premiumization trend also likely counterbalances the structural decline in per capita liquor consumption. We forecast gaming restrictions proposed by the Victorian government to weigh on Endeavour’s earnings, and we expect New South Wales to follow suit. But we estimate the combined impact to be moderate with EPS declining by 1% in fiscal 2025. From fiscal 2026, we expect group profit to grow at an average rate of 6% to fiscal 2033.</p>				
1.50					
1.25					
1.00					
0.75					
0.50					
0.25					

Australian Cyclical Retailer - Quick Service Restaurant

P/FV	Company (Ticker)	Rating	P/FV	Moat	Uncertainty
	Collins Foods (ASX:CKF)	★★★★	0.71	None	High
2.00	<p>Consumers are tightening their belts and gross profit margins are compressed. We anticipate KFC will prioritize customer value and long-term brand health over restaurant economics, while consumers remain under pressure in the near term. Hence, we estimate relatively low gross margins in fiscal 2024, despite gradually easing input cost inflation. Longer term, however, we expect consumer demand to eventually normalize as interest rates are cut and cost-of-living pressures abate and gross margins revert to historical averages of around 52.5% from fiscal 2025.</p>				
1.75					
1.50					
1.25					
1.00					
0.75					
0.50					
0.25					
0.00					

Source: Morningstar. Data as of March 15, 2024.

Endeavour Most Appealing Defensive Play

Company (Ticker)	Industry	Mcap (AUD bn)	Moat Rating	Uncertainty Rating	Fair Value		Star Rating	P/FVE	P/E*	Yield	1-Year Return
					Last Close	Estimate					
Domino's Pizza Enterprises (ASX:DMP)	Restaurants	3.89	Narrow	High	43.36	61.00	★★★★	0.71	27.7x	2.6%	-2.1%
Collins Foods (ASX:CKF)	Restaurants	1.21	None	High	10.26	14.40	★★★★	0.71	17.7x	2.4%	+33.0%
Kogan.com (ASX:KGN)	Internet Retail	0.85	None	Very High	8.41	10.70	★★★★	0.79	41.8x	1.8%	+98.3%
Accent Group (Acquirer) (ASX:AX1)	Apparel Retail	1.13	Narrow	High	2.01	2.40	★★★★	0.84	15.5x	8.5%	-3.2%
Myer (ASX:MYR)	Department Stores	0.70	None	Very High	0.84	0.75	★★★	1.12	14.1x	7.1%	-5.1%
Harvey Norman (ASX:HAV)	Specialty Retail	6.07	None	Medium	4.87	4.00	★★	1.22	15.3x	5.1%	+34.7%
Lovisa (ASX:LOV)	Specialty Retail	3.46	None	High	31.54	23.50	★★	1.34	36.1x	2.6%	+37.7%
Super Retail Group (ASX:SUL)	Specialty Retail	3.40	None	Medium	15.05	10.50	★	1.43	13.9x	5.0%	+29.0%
Wesfarmers (ASX:WES)	Home Improvement Retail	76.17	Wide	Medium	67.12	43.00	★	1.56	28.4x	2.7%	+41.3%
Premier Investments (ASX:PMV)	Apparel Retail	4.88	None	Medium	30.62	19.50	★	1.57	18.7x	3.9%	+18.9%
JB Hi-Fi (ASX:JBH)	Specialty Retail	6.64	None	Medium	60.73	37.50	★	1.62	15.8x	5.2%	+48.5%
Australia Retail - Cyclical (unweighted average)								1.17	22.3x	4.3%	+30.1%
Endeavour Group (ASX:EDV)	Beverages - Wineries & Distilleries	9.38	Wide	Low	5.24	6.10	★★★★	0.86	17.8x	4.2%	-18.4%
Metcash (ASX:MTS)	Food Distribution	4.18	None	Medium	3.89	4.00	★★★	0.97	13.6x	5.7%	+7.6%
Coles Group (ASX:COL)	Grocery Stores	22.35	None	Low	16.70	15.00	★★	1.11	20.5x	4.0%	-0.9%
Woolworths Group (ASX:WOW)	Grocery Stores	39.88	Narrow	Low	32.65	27.50	★★	1.19	21.9x	2.9%	-8.0%
Australia Retail - Defensive (unweighted average)								1.03	18.5x	4.2%	-4.9%

Source: *PitchBook consensus, Morningstar estimates. Data as of March 15, 2024.

General Disclosure

Unless otherwise provided in a separate agreement, recipients accessing 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 U.S.A. domiciled financial institution.

This report is for informational purposes only 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 Equity 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 Equity 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 Equity Research Group encourages recipients of this report to read all relevant issue documents for example, prospectus) 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 which 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 Equity 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 Equity 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 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.

Conflicts of Interest

- ▶ No interests are held by the analyst with respect to the security subject of this investment research report.
- ▶ Morningstar, Inc. may hold a long position in the security subject of this investment research report that exceeds 0.5% of the total issued share capital of the security.
- ▶ To determine if such is the case, please click <http://msi.morningstar.com> and <http://mdi.morningstar.com>.
- ▶ Analysts' compensation is derived from Morningstar, Inc.'s overall earnings and consists of salary, bonus and in some cases restricted stock.
- ▶ Neither Morningstar, Inc. nor the Equity Research Group receives commissions for providing research nor do they charge companies to be rated.
- ▶ Neither Morningstar, Inc. nor the Equity Research Group is a market maker or a liquidity provider of the security noted within this report.
- ▶ Neither Morningstar, Inc. nor the Equity 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 does have arrangements with financial institutions to provide portfolio management/investment advice some of which an analyst may issue investment research reports on. However, analysts do not have authority over Morningstar's investment management group's business arrangements nor 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 Symbol: 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, "Security Ownership of Certain Beneficial Owners and Management" section <http://investorrelations.morningstar.com/sec.cfm?doctype=Proxy&year=&x=12>

Morningstar, Inc. may provide the product issuer or its related entities with services or products for a fee and on an arms' 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, Inc.'s conflict of interest policies is available from <http://global.morningstar.com/equitydisclosures>. Also, please note analysts are subject to the CFA Institute's Code of Ethics and Standards of Professional Conduct.

For a list of securities which the Equity Research Group currently covers and provides written analysis on please contact your local Morningstar office. In addition, for historical analysis of securities covered, including their fair value estimate, please contact your local office.

For Recipients in Australia: This Report has been issued and distributed in Australia by Morningstar Australasia Pty. Ltd. (ABN: 95 090 665 544; ASFL: 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, or FSG, for more information at <http://www.morningstar.com.au/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 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 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 enquiries regarding this research, please contact a Morningstar Investment Management Asia Limited Licensed Representative at <http://global.morningstar.com/equitydisclosures>.

For Recipients in India: This investment research 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 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 have they or their associates engaged in market-making activity for the fund company.

For recipients in Japan: The Report is distributed by Ibbotson Associates Japan, Inc., which is regulated by Financial Services Agency, for informational purposes only. Neither Ibbotson Associates 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 Limited, which is regulated by Financial Supervisory Service, for informational purposes only. Neither Morningstar Korea Limited, 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: For Institutional Investor audiences only. Recipients of this report should contact their financial adviser in Singapore in relation to this report. Morningstar, Inc., and its affiliates, relies on certain exemptions (Financial Advisers Regulations, Section 32B and 32C) to provide its investment research to recipients in Singapore.



22 West Washington Street
Chicago, IL 60602 USA

About Morningstar® Equity Research™

Morningstar Equity Research provides independent, fundamental equity research differentiated by a consistent focus on sustainable competitive advantages, or Economic Moats.

©2024 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. References to "DBRS Morningstar credit ratings" refer to credit ratings issued by one of the DBRS group of companies or Morningstar Credit Ratings, LLC. The DBRS group of companies consists of DBRS, Inc. (Delaware, U.S.) (NRSRO, DRO affiliate); DBRS Limited (Ontario, Canada)(DRO, NRSRO affiliate); DBRS Ratings GmbH (Frankfurt, Germany)(CRA, NRSRO affiliate, DRO affiliate); and DBRS Ratings Limited (England and Wales)(CRA, NRSRO affiliate, DRO affiliate). Morningstar Credit Ratings, LLC is a NRSRO affiliate of DBRS, Inc. For more information on regulatory registrations, recognitions and approvals of DBRS group of companies and Morningstar Credit Ratings, LLC, please see: <http://www.dbrsmorningstar.com/research/highlights.pdf>.

The DBRS group and Morningstar Credit Ratings, LLC are wholly-owned subsidiaries of Morningstar, Inc.

All DBRS Morningstar credit ratings and other types of credit opinions are subject to disclaimers and certain limitations. Please read these disclaimers and limitations at <http://www.dbrsmorningstar.com/about/disclaimer> and <https://ratingagency.morningstar.com/mcr>. Additional information regarding DBRS Morningstar ratings and other types of credit opinions, including definitions, policies and methodologies, are available on <http://www.dbrsmorningstar.com> and <https://ratingagency.morningstar.com/mcr>.

Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. 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 +1 312 696-6869.

Information on Morningstar's Equity Research methodology is available from <https://www.morningstar.com/research/signature>.