



UK and Europe equities: Beyond the headlines

Frédérique Carrier – London

European and UK equity markets are trading at valuations we consider unusually attractive. Although we maintain Underweight stances on both regions and think index returns may remain muted through the end of the year, we see compelling opportunities.

Economic scars

With the UK's Conservative government struggling in the polls, attention is turning to how Labour would govern the country. The next election is due by January 2025, but is widely expected to be held next year.

The Labour Party appears to be focused on “making Brexit work” and on turning Britain into a “clean energy superpower” by 2030. The former goal suggests an effort to remove trade frictions, perhaps by achieving a relationship with the European Union akin to Norway's; this would require trust with the UK's largest trading partner to be rebuilt first. As for the latter, Labour is promising to deliver new jobs and energy security by eliminating barriers to green projects.

Should Labour win the next election, the new government will inherit a country with deep scars—not only from Brexit, but also from the Bank of England's (BoE) fastest monetary policy tightening spree in three decades. To quell inflation, which is showing worrying signs of becoming entrenched, the BoE has increased the Bank Rate from 0.1 percent at the end of 2021 to five percent today, and markets currently expect it to continue climbing to six percent by Q4 2023. *(For our views on the latest BoE announcements, see the regional perspective on page 4.)*

Higher interest rates will be particularly painful for mortgage holders. According to data provider Moneyfacts, the average cost of a two-year fixed-rate mortgage rose to over six percent this week, compared to roughly 2.25 percent 18 months ago.

Much of the increase in rates has not yet filtered through to the UK's 7.5 million mortgagor households. That is because 85 percent of UK mortgages are fixed-rate contracts, typically with terms of two or five years, unlike the usual 30-year term in the U.S. Therefore, interest rate hikes affect the economy only gradually.

The BoE estimates that 2.1 million households will reach the end of their fixed-rate terms in 2023. Most of those have rates below two percent, and could be renewed at rates up to three times higher, as the chart on the following page shows. In fact, with market expectations of mortgage rates remaining above four percent until the end of 2026, total mortgage costs could eventually increase by £12 billion a year according to the Resolution Foundation, a British think tank.

Higher monthly financing costs are likely to negatively impact both consumer spending and the housing market—and improve Labour's electoral prospects.

For perspectives on the week from our regional analysts, please see [pages 3–4](#).

Investment and insurance products offered through RBC Wealth Management are not insured by the FDIC or any other federal government agency, are not deposits or other obligations of, or guaranteed by, a bank or any bank affiliate, and are subject to investment risks, including possible loss of the principal amount invested.

For important disclosures, required non-U.S. analyst disclosures, and authors' contact information, see [page 6](#).

Priced (in USD) as of 6/21/23 market close (unless otherwise stated). Produced: 6/22/23 1:23 pm ET; Disseminated: 6/22/23 1:58 pm ET

An internationally focused equities market

We maintain our Underweight recommendation for UK equities, but we believe there are opportunities despite the subdued outlook for the domestic economy. Nearly 80% of FTSE 100 companies' revenues are generated outside the UK. The valuation of the wider FTSE All-Share Index is just under 10x forward earnings, an "abnormal discount" according to our national research correspondent and, in our view, attractive. Dividends are generous, with an average yield of more than four percent, and well covered by operational cash flows. Thanks to a relatively high exposure to defensive sectors including Utilities, Health Care, and Consumer Staples, UK equities tend to perform relatively well when global activity levels wane, as we expect will be the case later this year.

Furthermore, the pound peaking should remove a headwind to UK equity performance. The currency has rallied recently to 1.28 against the U.S. dollar, but we believe it is likely to stabilise or even weaken going forward given UK interest rate expectations are already aggressive and economic fundamentals are weak.

We remain biased towards defensive, high-quality international revenue generators that trade at meaningful discounts to international peers. Our preferred defensive sector continues to be Health Care, although we think the valuation of Consumer Staples is becoming more appealing after a period of underperformance, and as the outlook for margins in the second half of the year has improved.

Stagnation across the Channel

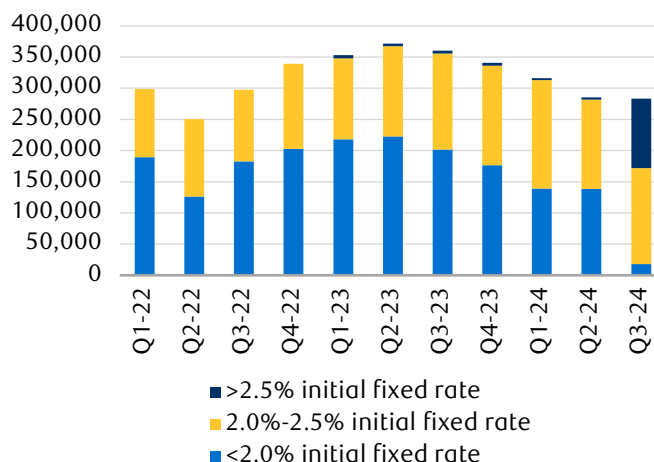
The euro zone has entered a technical recession after regional GDP contracted by 0.1 percent in two consecutive quarters. Economic activity in service sectors is holding up well, but this is not enough to offset the slump in manufacturing due to global destocking.

While the outlook is muted, we think investors should not be too pessimistic. Consensus expectations are for 0.6 percent growth this year, and unemployment is at its lowest level in more than 20 years, at 6.6 percent. Moreover, fiscal stimulus, while much less generous than in recent years, should continue to underpin the economy.

Notably, as economic activity levels deteriorated, European equities gave back some of their outperformance accumulated between August 2022 and March 2023. Despite valuations which are again inexpensive relative to the U.S., with the MSCI Europe ex UK Index trading on 13.4x forward earnings, we continue to suggest an Underweight position in the region due to its historical tendency to underperform when global activity levels weaken.

Many UK mortgages could be renewed at much higher rates

Number of fixed-rate mortgages coming up for renewal by initial effective interest rate*



* Data do not include remortgages with the same lender or second mortgages, so these numbers likely underestimate the situation.

Source - Bank of England

Opportunities beyond the headlines

Despite the challenges, we think there are opportunities for the inquisitive investor. One interesting area, in our view, is Tech. A popular narrative is that Europe has low exposure to technology and is thus at a disadvantage, particularly in light of the buzz around generative AI. While European indexes have substantially lower weighting in Information Technology, there are opportunities connected to the infrastructure build required for generative AI. We believe leading semiconductor equipment manufacturers are particularly well positioned, as are select electrical equipment providers given datacentres will require more power, smarter power management systems, and better cooling.

We also continue to like luxury stocks that combine strong growth, brand and operational momentum, and reasonable valuations. However, we see potential for greater variation in share price performance within the sector given the bumpy China recovery.

Finally, we remain positive on the long-term prospects for European industrial stocks that are well placed to benefit from capex spending connected to decarbonization, automation, and onshoring trends.

The macroeconomic backdrop of both the UK and Europe is challenging, but many of the challenges appear to be already discounted in valuations. We think that while returns on the broad indexes are likely to be modest for the rest of the year, there are compelling opportunities for investors willing to look deeper.

With contributions from Thomas McGarrity, CFA

UNITED STATES

Tyler Frawley, CFA – Minneapolis

■ **U.S. equities are on track for moderate losses this week** as Fed Chair Jerome Powell hinted at further monetary tightening during his testimony to Congress yesterday. All major indexes are down on the week, with the S&P 500 being the best relative performer, but still falling 0.89%. The Dow Jones Industrial Average has been the worst relative performer, falling 1.20%.

■ **Global supply chain pressures continue to ease.** Supply chain disruptions following the COVID-19 outbreak contributed to the rapid rise in inflation as global shipping and transportation costs surged and backlogs and wait times rose to historically high levels. According to a report published this week from the Federal Reserve Bank of San Francisco, nearly 60% of the inflation increase following the pandemic was attributable to these types of logistical bottlenecks and the resulting cost pressures. However, according to the Global Supply Chain Pressure Index, supply chain pressures have been steadily improving since peaking in October 2021 and are now nearing their lowest levels on record—with the index going back to 1997. While year-over-year Core Personal Consumption Expenditures, the Fed’s preferred measure of inflation, remain stubbornly elevated at 4.7% as of April 2023, it appears that the improving supply chain situation could act as a tailwind for falling inflation in the months ahead.

■ **The U.S. housing market continues to show signs of recovery** as May housing starts came in well ahead of expectations. On Tuesday, the U.S. Department of

Housing and Urban Development released its monthly housing report which showed that there were 1.63 million U.S. housing starts in May—well above economist expectations of 1.40 million. This represents a 21.7% m/m increase, the largest month-over-month percentage rise since October 2016. Additionally, the 291,000-unit m/m increase was the largest since January 1990. While the degree to which housing starts accelerated was unexpected, we view the general trend as unsurprising especially when considering the fundamentally undersupplied U.S. housing market following nearly 15 years of underbuilding since the global recession.

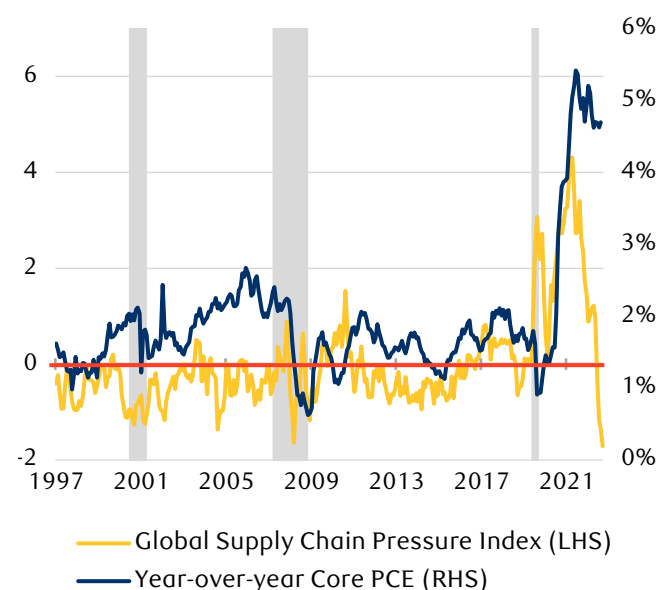
CANADA

Matt Altro & Richard Tan, CFA – Toronto

■ Earlier this month, **the Bank of Canada (BoC) raised the overnight lending rate by 25 basis points**, and the focus remains on the health of the consumer. The economy has proven more resilient than originally thought, as GDP continued to edge higher in Q1, by an annualized rate of 3.1%, after growth stalled in Q4 2022. This increase was driven by a large uptick in consumer spending and higher net exports, partially offset by a smaller inventory build and a drop in residential investment. However, cracks are starting to form. Unemployment remains low, but job openings have declined, according to RBC Economics. Furthermore, consumer delinquency rates have begun to rise (albeit from abnormally low levels), and household disposable income may subsequently soften as well. Per RBC Economics, the BoC remains committed to its 2% inflation target and more rate hikes are on the table if the economy does not show significant signs of slowing.

■ **The Office of the Superintendent of Financial Institutions (the Canadian financial regulator) announced it will increase the domestic stability buffer (DSB) by 50 basis points (bps) to 3.50%**, effective Nov. 1, 2023. In short, this is an effort to ensure the Big Six Canadian banks will have sufficient capital to respond to potential vulnerabilities in the economy and to absorb losses in times of financial stress. As a function of the DSB hike, the capital ratio requirements will also increase by 50 bps to 11.5%. We note that the banks are already sitting above the new regulatory minimum, and RBC Capital Markets expects bank capital levels to trend higher in the coming quarters. Therefore, we view the risk of raising discrete equity as low outside of dividend reinvestment plans. Canadian bank equity valuations continue to look inexpensive relative to long-term averages. However, we struggle to identify catalysts to materially improve valuations at this point in the credit cycle and, as such, we believe that long-term income-focused investors attracted to elevated dividend yields may find greater opportunity than capital growth investors.

Global supply chain pressures continue to ease



Note: Shaded areas represent recession periods

Source - RBC Wealth Management, Bloomberg; Global Supply Chain Pressure Index is through May 2023, y/y Core PCE data is through April 2023

EUROPE

Rufaro Chiriseri, CFA – London

- **A shock interest rate hike of 50 basis points (bps) from the Bank of England signals deep concern amongst the voting members of the Monetary Policy Committee (MPC), in our view.** The vote was 7-2 in favour of the move at the June meeting, where the voting members judged that the “scale of recent upside surprises” in inflation and wage data warranted a bigger-than-expected increase. The inflation data released this week were above consensus expectations for the fourth consecutive month. CPI inflation was unchanged at 8.7% y/y from April and, more importantly, May services inflation is ahead of the May Monetary Policy Report forecast of 6.8% y/y.
- In the run-up to the meeting, Gilt yields had priced in market expectations of a higher 6% terminal Bank Rate. Consequently, 2-year Gilt yields took the BoE decision in stride and continued hovering around the 2008 highs of 5%. **The rollercoaster moves in 2-year Gilts have been remarkable, with yields having risen by 160 basis points this quarter—half of that in June alone.**
- All three areas of focus for the MPC—services inflation, private sector pay, and labour market tightness—are ahead of their May forecasts. **We believe this leaves the central bank open to delivering more hikes, although multiple 50 bps moves are not our base case.** We think a peak policy rate of 5.50%–5.75% seems plausible, but that’s predicated on how quickly services inflation abates and whether the committee is convinced by forward indicators that show signs of price growth slowing. That being said, a Bank Rate of around 6% could tip the UK economy into a recession later this year. This might be the unfortunate price for achieving a slowdown in price growth, in our view. According to the central bank’s own estimates, around 57% of mortgages due for renewal in 2023 were fixed at an interest rate below 2%, which puts a further squeeze on around 1.3 million households that will renew their mortgages this year.

ASIA PACIFIC

Nicholas Gwee, CFA – Singapore

- **After three weeks of solid gains, the Asia Pacific equity market traded broadly lower this week, weighed down by China and Hong Kong.** After a rally from 18,000 in late May that took it above the 20,000 mark last Friday, the Hang Seng Index gave up some gains this week on the back of profit-taking and market disappointment with interest rate cuts in China.

Hang Seng Index giving up gains after strong rebound



Source - RBC Wealth Management, Bloomberg; daily data through 6/21/23

- **U.S. Secretary of State Antony Blinken met with Chinese Foreign Minister Qin Gang for more than seven and a half hours on Sunday.** The U.S. State Department called the talks “candid, substantive and constructive.” Qin accepted an invitation to Washington and called for “stable, predictable” relations. But just a day after Blinken left Beijing, U.S. President Joe Biden called Chinese President Xi Jinping a “dictator” and China responded by calling it a “provocation.” While the comments may not set off a new diplomatic crisis, they risk eroding the symbolic progress made just a day before. We acknowledge that U.S.-China relations are at the lowest point since they were established in the 1970s, as the Chinese side described, but view Blinken’s Beijing visit as an important development. However, there remains a lot of work to be done to mend the relationship, in our view.
- **Alibaba Group (9988 HK) surprised the market by announcing a leadership shakeup.** Current Executive Vice Chairman Joe Tsai will succeed Daniel Zhang as chairman. At the same time, Eddie Yongming Wu, chairman of Taobao and Tmall Group, will succeed Zhang as CEO of Alibaba Group, and also replace him on the company’s board of directors. Zhang will continue to lead Alibaba Cloud Intelligence Group as its chairman and CEO. Shares of Alibaba Group fell following the announcement, but Reuters reported several analysts viewed the change as positive, both from a corporate governance perspective and because it would allow Zhang to focus more on the cloud business, an important growth engine for Alibaba Group.

MARKET Scorecard

Data as of June 21, 2023

Equities (local currency)	Level	MTD	YTD	1 yr	2 yr
S&P 500	4,365.69	4.4%	13.7%	16.0%	3.3%
Dow Industrials (DJIA)	33,951.52	3.2%	2.4%	11.2%	0.2%
Nasdaq	13,502.20	4.4%	29.0%	22.0%	-4.5%
Russell 2000	1,863.02	6.5%	5.8%	10.0%	-18.5%
S&P/TSX Comp	19,705.95	0.7%	1.7%	2.3%	-2.2%
FTSE All-Share	4,115.41	1.2%	1.0%	4.3%	2.2%
STOXX Europe 600	457.01	1.2%	7.6%	11.9%	0.4%
EURO STOXX 50	4,322.75	2.5%	13.9%	23.7%	5.1%
Hang Seng	19,218.35	5.4%	-2.8%	-10.9%	-32.5%
Shanghai Comp	3,197.90	-0.2%	3.5%	-3.3%	-9.4%
Nikkei 225	33,575.14	8.7%	28.7%	27.9%	19.9%
India Sensex	63,523.15	1.4%	4.4%	20.9%	20.8%
Singapore Straits Times	3,223.66	2.1%	-0.9%	3.4%	3.4%
Brazil Ibovespa	120,420.75	11.2%	9.7%	20.8%	-6.8%
Mexican Bolsa IPC	54,053.72	2.5%	11.5%	12.4%	7.4%
Gov't bonds (bps change)	Yield	MTD	YTD	1 yr	2 yr
U.S. 10-Yr Treasury	3.723%	8.0	-15.2	44.8	223.4
Canada 10-Yr	3.387%	20.0	8.7	-11.4	197.3
UK 10-Yr	4.405%	22.2	73.3	175.1	363.6
Germany 10-Yr	2.435%	15.3	-13.6	66.4	260.6
Fixed income (returns)	Yield	MTD	YTD	1 yr	2 yr
U.S. Aggregate	4.71%	0.0%	2.4%	1.0%	-10.6%
U.S. Investment-Grade Corp	5.43%	0.4%	3.2%	2.7%	-12.5%
U.S. High-Yield Corp	8.63%	1.5%	5.2%	7.3%	-4.5%
Commodities (USD)	Price	MTD	YTD	1 yr	2 yr
Gold (spot \$/oz)	1,932.48	-1.5%	5.9%	5.4%	8.4%
Silver (spot \$/oz)	22.66	-3.5%	-5.4%	4.5%	-12.7%
Copper (\$/metric ton)	8,552.25	6.0%	2.2%	-4.9%	-6.6%
Oil (WTI spot/bbl)	72.28	6.2%	-9.9%	-34.7%	-1.9%
Oil (Brent spot/bbl)	77.14	6.2%	-10.2%	-32.7%	3.0%
Natural Gas (\$/mmBtu)	2.59	14.3%	-42.1%	-62.0%	-18.8%
Currencies	Rate	MTD	YTD	1 yr	2 yr
U.S. Dollar Index	102.0670	-2.2%	-1.4%	-2.3%	11.1%
CAD/USD	0.7596	3.1%	3.0%	-1.9%	-6.1%
USD/CAD	1.3165	-3.0%	-2.9%	1.9%	6.5%
EUR/USD	1.0988	2.8%	2.6%	4.3%	-7.8%
GBP/USD	1.2764	2.6%	5.6%	4.0%	-8.4%
AUD/USD	0.6796	4.5%	-0.2%	-2.5%	-9.8%
USD/JPY	141.8600	1.8%	8.2%	3.9%	28.6%
EUR/JPY	155.8800	4.7%	11.0%	8.3%	18.6%
EUR/GBP	0.8608	0.2%	-2.8%	0.3%	0.6%
EUR/CHF	0.9812	0.8%	-0.8%	-3.6%	-10.3%
USD/SGD	1.3402	-0.8%	0.1%	-3.3%	-0.2%
USD/CNY	7.1794	1.0%	4.1%	7.3%	11.0%
USD/MXN	17.1255	-3.2%	-12.2%	-14.9%	-16.4%
USD/BRL	4.7671	-5.7%	-9.7%	-7.0%	-4.9%

Equity returns do not include dividends, except for the Brazilian Ibovespa. Bond yields in local currencies. Copper Index data and U.S. fixed income returns as of Wednesday's close. Dollar Index measures USD vs. six major currencies. Currency rates reflect market convention (CAD/USD is the exception). Currency returns quoted in terms of the first currency in each pairing.

Examples of how to interpret currency data: CAD/USD 0.75 means 1 Canadian dollar will buy 0.75 U.S. dollar. CAD/USD 3.0% return means the Canadian dollar rose 3.0% vs. the U.S. dollar year to date. USD/JPY 141.86 means 1 U.S. dollar will buy 141.86 yen. USD/JPY 8.2% return means the U.S. dollar rose 8.2% vs. the yen year to date.

Source - Bloomberg; data through 6/21/23

Authors

Matt Altro – Toronto, Canada

matt.altro@rbc.com; RBC Dominion Securities Inc.

Frédérique Carrier – London, United Kingdom

frederique.carrier@rbc.com; RBC Europe Limited

Rufaro Chiriseri, CFA – London, United Kingdom

rufaro.chiriseri@rbc.com; RBC Europe Limited

Tyler Frawley, CFA – Minneapolis, United States

tyler.frawley@rbc.com; RBC Capital Markets, LLC

Nicholas Gwee, CFA – Singapore

nicholas.gwee@rbc.com; Royal Bank of Canada, Singapore Branch

Thomas McGarrity, CFA – London, United Kingdom

thomas.mcgarrrity@rbc.com; RBC Europe Limited

Richard Tan, CFA – Toronto, Canada

richard.tan@rbc.com; RBC Dominion Securities Inc.

Disclosures and Disclaimer

Analyst Certification

All of the views expressed in this report accurately reflect the personal views of the responsible analyst(s) about any and all of the subject securities or issuers. No part of the compensation of the responsible analyst(s) named herein is, or will be, directly or indirectly, related to the specific recommendations or views expressed by the responsible analyst(s) in this report.

Important Disclosures

In the U.S., RBC Wealth Management operates as a division of RBC Capital Markets, LLC. In Canada, RBC Wealth Management includes, without limitation, RBC Dominion Securities Inc., which is a foreign affiliate of RBC Capital Markets, LLC. This report has been prepared by RBC Capital Markets, LLC which is an indirect wholly-owned subsidiary of the Royal Bank of Canada and, as such, is a related issuer of Royal Bank of Canada.

Non-U.S. Analyst Disclosure

One or more research analysts involved in the preparation of this report (i) may not be registered/qualified as research analysts with the NYSE and/or FINRA and (ii) may not be associated persons of the RBC Wealth Management and therefore may not be subject to FINRA Rule 2241 restrictions on communications with a subject company, public appearances and trading securities held by a research analyst account.

In the event that this is a compendium report (covers six or more companies), RBC Wealth Management may choose to provide important disclosure information by reference. To access current disclosures, clients should refer to <https://www.rbccm.com/GLDisclosure/PublicWeb/DisclosureLookup.aspx?EntityID=2> to view disclosures regarding RBC Wealth Management and its affiliated firms. Such information is also available upon request to RBC Wealth Management Publishing, 250 Nicollet Mall, Suite 1800, Minneapolis, MN 55401-1931.

References to a Recommended List in the recommendation history chart may include one or more recommended lists or model portfolios maintained by RBC Wealth Management or one of its affiliates. RBC Wealth Management recommended lists include the Guided Portfolio: Prime Income (RL 6), the Guided Portfolio: Dividend Growth (RL 8), the Guided Portfolio: ADR (RL 10), and the Guided Portfolio: All Cap Growth (RL 12). The abbreviation 'RL On' means the date a security was placed on a Recommended List. The abbreviation 'RL Off' means the date a security was removed from a Recommended List. As of April 3, 2023, U.S. RBC Wealth Management's quarterly reports will serve as the primary communication for its models and will highlight any changes to the model made during the quarter.

RBC Capital Markets Distribution of Ratings

For the purpose of ratings distributions, regulatory rules require member firms to assign ratings to one of three rating categories – Buy, Hold/Neutral, or Sell – regardless of a firm's own rating categories. Although RBC Capital Markets' ratings of Outperform (O), Sector Perform (SP), and Underperform (U) most closely correspond to Buy, Hold/Neutral and Sell, respectively, the meanings are not the same because RBC Capital Markets ratings are determined on a relative basis.

Distribution of ratings – RBC Capital Markets Equity Research

As of March 31, 2023

Rating	Count	Percent	Investment Banking Services Provided During Past 12 Months	
			Count	Percent
Buy [Outperform]	824	56.05	236	28.64
Hold [Sector Perform]	591	40.20	132	22.34
Sell [Underperform]	55	3.74	4	7.27

Explanation of RBC Capital Markets Equity Rating System

An analyst's "sector" is the universe of companies for which the analyst provides research coverage. Accordingly, the rating assigned to a particular stock represents solely the analyst's view of how that stock will perform over the next 12 months relative to the analyst's sector average.

Ratings: Outperform (O): Expected to materially outperform sector average over 12 months. **Sector Perform (SP):** Returns expected to be in line with sector average over 12 months. **Underperform (U):** Returns expected to be materially below sector average over 12 months. **Restricted (R):** RBC policy precludes certain types of communications, including an investment recommendation, when RBC is acting as an advisor in certain merger or other strategic transactions and in certain other circumstances. **Not Rated (NR):** The rating, price targets and estimates have been removed due to applicable legal, regulatory or policy constraints which may include when RBC Capital Markets is acting in an advisory capacity involving the company.

Risk Rating: The **Speculative** risk rating reflects a security's lower level of financial or operating predictability, illiquid share trading volumes, high balance sheet

leverage, or limited operating history that result in a higher expectation of financial and/or stock price volatility.

Valuation and Risks to Rating and Price Target

When RBC Capital Markets assigns a value to a company in a research report, FINRA Rules and NYSE Rules (as incorporated into the FINRA Rulebook) require that the basis for the valuation and the impediments to obtaining that valuation be described. Where applicable, this information is included in the text of our research in the sections entitled “Valuation” and “Risks to Rating and Price Target”, respectively.

The analyst(s) responsible for preparing this research report have received (or will receive) compensation that is based upon various factors, including total revenues of RBC Capital Markets, and its affiliates, a portion of which are or have been generated by investment banking activities of RBC Capital Markets and its affiliates.

Other Disclosures

Prepared with the assistance of our national research sources. RBC Wealth Management prepared this report and takes sole responsibility for its content and distribution. The content may have been based, at least in part, on material provided by our third-party correspondent research services. Our third-party correspondent has given RBC Wealth Management general permission to use its research reports as source materials, but has not reviewed or approved this report, nor has it been informed of its publication. Our third-party correspondent may from time to time have long or short positions in, effect transactions in, and make markets in securities referred to herein. Our third-party correspondent may from time to time perform investment banking or other services for, or solicit investment banking or other business from, any company mentioned in this report.

RBC Wealth Management endeavors to make all reasonable efforts to provide research simultaneously to all eligible clients, having regard to local time zones in overseas jurisdictions. In certain investment advisory accounts, RBC Wealth Management or a designated third party will act as overlay manager for our clients and will initiate transactions in the securities referenced herein for those accounts upon receipt of this report. These transactions may occur before or after your receipt of this report and may have a short-term impact on the market price of the securities in which transactions occur. RBC Wealth Management research is posted to our proprietary Web sites to ensure eligible clients receive coverage initiations and changes in rating, targets, and opinions in a timely manner. Additional distribution may be done by sales personnel via e-mail, fax, or regular mail. Clients may also receive our research via third-party vendors. Please contact your RBC Wealth Management Financial Advisor for more information regarding RBC Wealth Management research.

Conflicts Disclosure: RBC Wealth Management is registered with the Securities and Exchange Commission as a broker/dealer and an investment adviser, offering both brokerage and investment advisory services. RBC Wealth Management’s Policy for Managing Conflicts of Interest in Relation to Investment Research is available from us

on our website at <https://www.rbccm.com/GLDisclosure/PublicWeb/DisclosureLookup.aspx?EntityID=2>. Conflicts of interests related to our investment advisory business can be found in Part 2A Appendix 1 of the Firm’s Form ADV or the RBC Advisory Programs Disclosure Document. Copies of any of these documents are available upon request through your Financial Advisor. We reserve the right to amend or supplement this policy, Part 2A Appendix 1 of the Form ADV, or the RBC Advisory Programs Disclosure Document at any time.

The authors are employed by one of the following entities: RBC Wealth Management USA, a division of RBC Capital Markets, LLC, a securities broker-dealer with principal offices located in Minnesota and New York, USA; RBC Dominion Securities Inc., a securities broker-dealer with principal offices located in Toronto, Canada; Royal Bank of Canada, Hong Kong Branch which is regulated by the Hong Kong Monetary Authority and the Securities and Futures Commission (“SFC”); Royal Bank of Canada, Singapore Branch, a licensed wholesale bank with its principal office located in Singapore; and RBC Europe Limited, a licensed bank with principal offices located in London, United Kingdom.

Research Resources

This document is produced by the Global Portfolio Advisory Committee within RBC Wealth Management’s Portfolio Advisory Group. The RBC WM Portfolio Advisory Group provides support related to asset allocation and portfolio construction for the firm’s Investment Advisors / Financial Advisors who are engaged in assembling portfolios incorporating individual marketable securities. The Committee leverages the broad market outlook as developed by the RBC Investment Strategy Committee, providing additional tactical and thematic support utilizing research from the RBC Investment Strategy Committee, RBC Capital Markets, and third-party resources.

Third-party Disclaimers

The Global Industry Classification Standard (“GICS”) was developed by and is the exclusive property and a service mark of MSCI Inc. (“MSCI”) and Standard & Poor’s Financial Services LLC (“S&P”) and is licensed for use by RBC. Neither MSCI, S&P, nor any other party involved in making or compiling the GICS or any GICS classifications makes any express or implied warranties or representations with respect to such standard or classification (or the results to be obtained by the use thereof), and all such parties hereby expressly disclaim all warranties of originality, accuracy, completeness, merchantability and fitness for a particular purpose with respect to any of such standard or classification. Without limiting any of the foregoing, in no event shall MSCI, S&P, any of their affiliates or any third party involved in making or compiling the GICS or any GICS classifications have any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) even if notified of the possibility of such damages.

Disclaimer

The information contained in this report has been compiled by RBC Wealth Management, a division of RBC Capital Markets, LLC, from sources believed to be reliable, but no representation or warranty, express or implied, is made by Royal Bank of Canada, RBC Wealth Management, its affiliates or any other person as to its accuracy, completeness or correctness. All opinions and estimates contained in this report constitute RBC Wealth Management’s judgment as

of the date of this report, are subject to change without notice and are provided in good faith but without legal responsibility. Past performance is not a guide to future performance, future returns are not guaranteed, and a loss of original capital may occur. Every province in Canada, state in the U.S., and most countries throughout the world have their own laws regulating the types of securities and other investment products which may be offered to their residents, as well as the process for doing so. As a result, the securities discussed in this report may not be eligible for sale in some jurisdictions. This report is not, and under no circumstances should be construed as, a solicitation to act as securities broker or dealer in any jurisdiction by any person or company that is not legally permitted to carry on the business of a securities broker or dealer in that jurisdiction. Nothing in this report constitutes legal, accounting or tax advice or individually tailored investment advice. This material is prepared for general circulation to clients, including clients who are affiliates of Royal Bank of Canada, and does not have regard to the particular circumstances or needs of any specific person who may read it. The investments or services contained in this report may not be suitable for you and it is recommended that you consult an independent investment advisor if you are in doubt about the suitability of such investments or services. To the full extent permitted by law neither Royal Bank of Canada nor any of its affiliates, nor any other person, accepts any liability whatsoever for any direct, indirect or consequential loss arising from, or in connection with, any use of this report or the information contained herein. No matter contained in this document may be reproduced or copied by any means without the prior written consent of Royal Bank of Canada in each instance. Additional information is available upon request.

To U.S. Residents: This publication has been approved by RBC Capital Markets, LLC, Member NYSE/FINRA/SIPC, which is a U.S. registered broker-dealer and which accepts responsibility for this report and its dissemination in the United States. RBC Capital Markets, LLC, is an indirect wholly-owned subsidiary of the Royal Bank of Canada and, as such, is a related issuer of Royal Bank of Canada. Any U.S. recipient of this report that is not a registered broker-dealer or a bank acting in a broker or dealer capacity and that wishes further information regarding, or to effect any transaction in, any of the securities discussed in this report, should contact and place orders with RBC Capital Markets, LLC. International investing involves risks not typically associated with U.S. investing, including currency fluctuation, foreign taxation, political instability and different accounting standards.

To Canadian Residents: This publication has been approved by RBC Dominion Securities Inc. RBC Dominion Securities Inc.* and Royal Bank of Canada are separate corporate entities which are affiliated. *Member-Canadian Investor Protection Fund. ©Registered trademark of Royal Bank of Canada. Used under license. RBC Wealth Management is a registered trademark of Royal Bank of Canada. Used under license.

RBC Wealth Management (British Isles): This publication is distributed by RBC Europe Limited and Royal Bank of Canada (Channel Islands) Limited. RBC Europe Limited is authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority (FCA registration number: 124543). Registered office: 100 Bishopsgate, London, EC2N 4AA, UK. Royal Bank of Canada (Channel Islands) Limited is regulated by the Jersey Financial Services Commission in the conduct of investment business in Jersey. Registered office: Gaspé House, 66-72 Esplanade, St Helier, Jersey JE2 3QT, Channel Islands.

To Hong Kong Residents: This publication is distributed in Hong Kong by Royal Bank of Canada, Hong Kong Branch which is regulated by the Hong Kong Monetary Authority and the SFC, and RBC Investment Services (Asia) Limited, which is regulated by the SFC.

To Singapore Residents: This publication is distributed in Singapore by the Royal Bank of Canada, Singapore Branch, a registered entity licensed by the Monetary Authority of Singapore. This material has been prepared for general circulation and does not take into account the objectives, financial situation, or needs of any recipient. You are advised to seek independent advice from a financial adviser before purchasing any product. If you do not obtain independent advice, you should consider whether the product is suitable for you. Past performance is not indicative of future performance. If you have any questions related to this publication, please contact the Royal Bank of Canada, Singapore Branch. Royal Bank of Canada, Singapore Branch accepts responsibility for this report and its dissemination in Singapore.

©2023 RBC Capital Markets, LLC – Member NYSE/FINRA/SIPC
©2023 RBC Dominion Securities Inc. – Member Canadian Investor Protection Fund
©2023 RBC Europe Limited
©2023 Royal Bank of Canada
All rights reserved
RBC1253



Wealth
Management