# GLOBAL Insight

WEEKLY

Perspectives from the Global Portfolio Advisory Committee

### November 3, 2022

Wealth

Management

# The Fed doesn't know where it's going, but it believes it has to get there

Thomas Garretson, CFA – Minneapolis

As global central banks approach the end-game phase of aggressive 2022 policy tightening campaigns, many have taken the first steps in signaling a more cautious approach to rate hikes ahead—except the Fed. The Fed now stands alone.

In the run-up to the final two major global central bank meetings this week featuring the Federal Reserve and the Bank of England (BoE), an air of dovishness floated over markets—first led by the Bank of Canada, which delivered a lower-than-expected 50 basis point (bps) rate hike on Oct. 26. That was followed by the European Central Bank the next day where policymakers delivered a second 75 bps hike but signaled a reluctance to state explicitly that more increases are in the pipeline, while raising doubts about the need to take policy rates much beyond the "neutral" level and into economically restrictive territory, despite still-elevated inflationary pressures.

And that set the stage for the latest Fed meeting this week where markets expected the Fed to follow suit with a long-awaited dovish pivot away from jumbo-sized rate hikes. It actually played out largely in line with consensus expectations—with the meeting confirming that after a fourth consecutive 75 bps rate hike, the pace would likely slow "as soon as the next meeting" in December, according to Fed Chair Jerome Powell during his press conference. But moments later he once again stamped down any sense that the Fed was at all ready to back down from its fight against inflation.

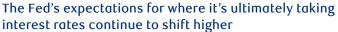


Source - RBC Wealth Management, Bloomberg, RBC Capital Markets, Federal Reserve Summary of Economic Projections

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.

Priced (in USD) as of 11/2/22 market close (unless otherwise stated). Produced: 11/3/22 2:47 pm ET; Disseminated: 11/3/22 3:07 pm ET For important disclosures, required non-U.S. analyst disclosures, and authors' contact information, see page 6.



After an initial positive market response to the policy statement, something Powell apparently caught wind of as he went on to deliver some of his most hawkish statements, sending equity indexes down sharply, and Treasury yields higher.

Of particular note was that while the pace of hikes may well slow, the level of rates ultimately needed could be "higher than previously thought," a level thought to be 4.75 percent as recently as the Fed's mid-September meeting. Powell cited recent data on the labor market and inflation that have yet to show any real signs that the 375 bps of total policy tightening over the past nine monthsthe most over any similar window since 1980-has actually had much of any impact at all. As the chart on the previous page shows, the process of discovering how high rates need to go has been a process indeed—from a peak level of 2.75 percent at the March meeting, 3.75 percent in June, and 4.75 percent in September. It seems to us that the Fed still has no real sense of what that terminal level is, and that's only adding uncertainty and volatility to U.S. markets.

So as a result of the Fed digging in its heels and offering few reasons to doubt its resolve, RBC Capital Markets raised its peak policy rate forecast to 5.25 percent, from 4.75 percent, which it sees being achieved by March of 2023 via a series of 50, 50, and 25 bps rate hikes in December, February, and March, respectively.

# **Higher for shorter**

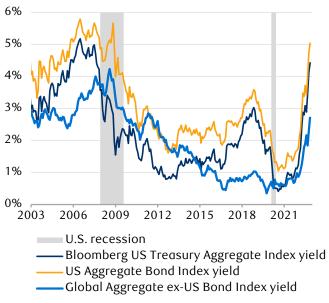
To this point, the broad sense has been that the Fed would take rates to a high level—but perhaps not excessively high—and then leave them there for an extended period of time as a hoped-for "soft landing" played out. But in our view, the risk is only growing that the Fed is going to simply keep at it until something breaks, and that higher rates will mean a faster policy reversal as prospects of a "hard landing" for the economy grow. As the saying goes, the bigger they are, the harder they fall.

And the Fed seems ... okay with this? Also from Powell's press conference, he clearly remains in the camp that sees the risks of doing too little as outweighing the risks of doing too much, stating "... if we were to overtighten, we could then use our tools strongly to support the economy. Whereas, if we don't get inflation under control because we don't tighten enough, now we're in a situation where inflation is now entrenched ..." This essentially means that if the Fed gets it wrong, it could simply start cutting rates.

# A tale of two countries

Whereas the Fed continues to be unwilling to give markets even an inch by warning that rates could go higher than expected, the BoE took a different tack by stating that if policy rates did indeed rise as high as markets had been expecting—north of five percent in 2023—a two-year long recession could be the result.

# Global central bank tightening has brought bond yields back to near 20-year highs



Source - RBC Wealth Management, Bloomberg bond indexes

So though the BoE delivered a 75 bps rate hike, the biggest in over 30 years, by pushing back firmly against the market it has set a firmly dovish tone, with the pound falling nearly two percent against the dollar in the aftermath of its meeting. That puts dollar strength—which has already caused global stress—back on the radar as the Fed now stands alone.

# Narrow seas, wide opportunities

While Powell noted that the path to a soft economic landing was "narrowing," we believe the opportunities for fixed income investors as a result of aggressive central bank rate hikes have only widened. As the chart shows, yields on aggregate investment-grade bond indexes around the globe are nearing multi-decade highs. But as Powell also noted, the Fed could be forced to reverse course just as quickly as it set out, which means the window for investors to put money to work at historically attractive levels may also close sooner than some may expect.

# UNITED STATES

Alan Robinson – Seattle

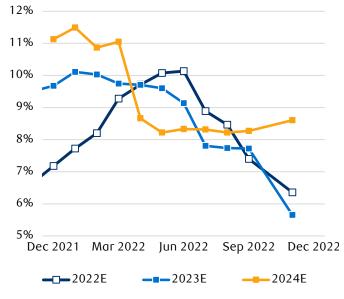
U.S. stocks had a tough week, surrendering the gains made the prior week. Investors digested cautious corporate commentaries from the peak week of earnings season, and the impact was exacerbated by the continued hawkish narrative from the Fed.

■ A total of 85% of the S&P 500 companies are expected to have reported earnings by the end of the week, and **if trends continue, overall earnings for the quarter will have grown by only 2% y/y. This growth rate likely overstates the actual health of earnings**. If we exclude the outsized impact of the Energy sector, which accounts for only 5% of the S&P 500 by market capitalization, earnings growth would have turned negative at singledigit percentage rates.

It wasn't all bad news, with some upbeat commentaries on continued pricing power and consumer spending on travel and leisure. Industrial demand remained surprisingly firm, with the Aerospace & Defense sub-industry continuing to shine. The most notable negative outlooks cited heightened macro uncertainty, inflation, weaker online advertising revenues, reduced spending on big-ticket items, and a shift away from pandemic beneficiaries.

■ Aside from the well-telegraphed macro concerns, **most companies' reports also cited earnings headwinds from the strong U.S. dollar.** The average value of the tradeweighted dollar was 16% higher in Q3 2022 compared to the same quarter last year. With almost half of S&P 500 revenues generated overseas, this implies single-digit declines in revenues from currency headwinds alone. Technology companies were particularly impacted.

### Evolution of S&P 500 annual EPS growth estimates



Source - RBC Wealth Management, FactSet

Apple (AAPL), Alphabet (GOOGL), Microsoft (MSFT), and even Johnson & Johnson (JNJ) claimed foreign currency weakness impacted their revenue by 5%–6% during the quarter, with further impacts expected in Q4.

■ While earnings forecasts for the next few quarters have slowly crept lower (see chart), we think they might not have gone far enough given widespread fears of a recession in 2023. Realistic forecast reductions that account for negative earnings growth are probably needed before longer-term inflows into equities resume, in our view. This "stickiness" in earnings estimates is partly due to reluctance by management teams to provide guidance for 2023.

# CANADA

Sean Killin & Mila Krunic – Toronto

The Canadian economy edged slightly higher in August, posting 0.1% m/m growth in GDP, topping its initial estimate that suggested no growth for the month. The preliminary estimate for September puts the annualized growth rate for the third quarter to 1.6%, down from an annualized growth rate of 3.3% in the second quarter. According to Statistics Canada, output rose in 14 out of 20 sectors in August. Service-producing sectors led the way, rising 0.3% m/m, which helped offset a pullback in the goods industry, which declined 0.3%. The sectors that grew for the month included agriculture (3.9% m/m), utilities (1.5%), retail trade (1.2%), and wholesale trade (0.9%), while construction (-0.7% m/m), manufacturing (-0.8%) and oil and gas extraction (-1.0%) declined. Statistics Canada noted that while residential construction was down for the fourth time in five months, activity in August was 8% above the February 2020 prepandemic level.

The Canadian Government is preparing the release of fresh spending forecasts in order to update its approach to fiscal policy in the post-pandemic inflationary era. For context, tighter monetary policy and its impact on financial conditions throughout the Canadian economy have meaningfully slowed economic growth expectations, as household consumption begins to feel the pressure of higher interest rates and elevated inflation. As a result, RBC Economics is expecting Canada to slip into a recession in early 2023, as household consumption metrics further degrade, which has pushed the current government to implement supportive policy measures in the past. That being said, with the immense financial market volatility that followed the September release of former British Prime Minister Liz Truss' budget fresh in the minds of policymakers, it's clear to us that Canadian legislators are attempting to signal that their fiscal plan is short-term targeted support, rather than long-term structural shifts in fiscal policy.

# EUROPE

Thomas McGarrity, CFA & Frédérique Carrier – London

■ The European economy eked out 0.2% q/q growth in Q3, thanks to the final effects of the economic reopening. Investment in France, consumption in Germany, and tourism in Spain offset weakness in other sectors. Looking ahead, prospects for economic growth remain challenging, in our view. Real wage growth is at multi-decade lows and the European Central Bank (ECB) has increased interest rates more sharply and aggressively than ever before.

• Yet inflation in the euro area is showing no sign of abating, soaring to 10.7% y/y in October, up from 9.9% in September and 0.4 percentage points above consensus expectations. Energy prices were the main culprit but rising input costs are increasingly being passed through to end users. Inflation is spreading to manufactured goods.

Increasingly broad-based inflation that remains much above the ECB's target will likely keep pressure on the central bank to continue to increase interest rates, even despite a recession becoming more likely. We think the ECB was too slow in realizing that even if inflation is due to supply shocks, if it remains too high for too long it risks engendering spillover effects. The risk, in our opinion, is that the ECB tries to remedy its mistake by pursuing a policy of increasing interest rates too much, too quickly into a weakening economic environment, resulting in a deeper recession in 2023 than is already widely forecast.

Given the weakening economic outlook and downside risks, we continue to recommend being Underweight European equities. However, we acknowledge that valuations are inexpensive relative to history and U.S. equities, while investor caution is already fairly pronounced.

When allocating to European equities within a broader global equity allocation, we would focus on stock selection and key structural long-term trends such as decarbonisation. At the sector level, we continue to like Health Care, especially Pharmaceuticals where we see several opportunities in what we view as reasonably valued, quality defensive companies.

# ASIA PACIFIC

Jasmine Duan – Hong Kong

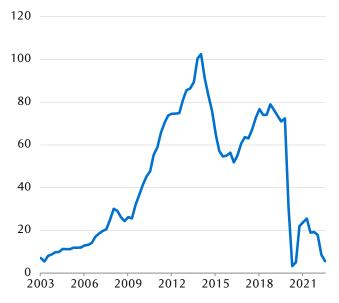
Asian equities largely traded higher for the first three days of the week. But the rally paused today in response to the Federal Reserve's hints of more policy tightening than had previously been anticipated. Chinese equities remained choppy as news on lockdowns and reopenings continued to bring volatility to the market. A seven-day lockdown in Zhengzhou City in Henan Province has affected Foxconn Technology's main factory, which is one of the key plants for iPhone production. The lockdown is expected to last until Nov. 9. The Foxconn plant is utilizing a "closed-loop" operation to minimize contact with areas outside of the large factory complex; however, its production could still be affected.

• China resumed accepting online visa applications and group tours to Macau effective Nov. 1. In-person applications had been required for the past 2.5 years due to COVID-19 restrictions. The resumption should encourage more mainland tourists to visit Macau, in our opinion, and has boosted investor sentiment on the Macau gaming sector. The Bloomberg Intelligence Index of Macau's six casino operators surged almost 20% this week, which we believe is positive news for the Macau tourist industry. However, we think tourist numbers will only increase gradually due to a concern that a tightening of border control could happen if there is a COVID-19 outbreak.

Chinese companies continue to report third-quarter earnings. According to Bloomberg data, companies that have reported earnings account for 41% of MSCI China Index market capitalization. Sixty-six percent of these companies delivered lower-than-expected numbers, and the aggregate EPS surprise has come in 6% below consensus estimates. Energy and Consumer Discretionary are the only sectors that have delivered positive earnings surprises, while Real Estate and Communication Services have posted among the worst earnings results. Many large technology companies such as Alibaba (9988 HK / BABA) and Tencent (700 HK) are scheduled to announce results in mid-November.

# Macau gross gaming revenue has dropped to a historic low due to fewer tourists

Macau Gross Gaming Revenue Index



Source - RBC Wealth Management, Bloomberg; quarterly data through 9/30/22

# MARKET Scorecard

Data as of November 2, 2022

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 0.72 means 1 Canadian dollar will buy 0.72 U.S. dollar. CAD/USD -7.8% return means the Canadian dollar fell 7.8% vs. the U.S. dollar year to date. USD/JPY 147.93 means 1 U.S. dollar will buy 147.93 yen. USD/JPY 28.5% return means the U.S. dollar rose 28.5% vs. the yen year to date.

Source - Bloomberg; data as of 11/2/22

Equities (local currency)	Level	MTD	YTD	1 уг	2 yr
S&P 500	3,759.69	-2.9%	-21.1%	-18.8%	13.6%
Dow Industrials (DJIA)	32,147.76	-1.8%	-11.5%	-10.8%	19.4%
Nasdaq	10,524.80	-4.2%	-32.7%	-32.7%	-3.9%
Russell 2000	1,789.14	-3.1%	-20.3%	-24.2%	14.1%
S&P/TSX Comp	19,277.01	-0.8%	-9.2%	-8.9%	22.8%
FTSE All-Share	3,910.01	0.9%	-7.1%	-5.7%	22.8%
STOXX Europe 600	413.39	0.3%	-15.3%	-13.8%	18.8%
EURO STOXX 50	3,622.01	0.1%	-15.7%	-15.7%	20.0%
Hang Seng	15,827.17	7.8%	-32.4%	-36.9%	-35.3%
Shanghai Comp	3,003.37	3.8%	-17.5%	-14.3%	-6.9%
Nikkei 225	27,663.39	0.3%	-3.9%	-6.3%	18.8%
India Sensex	60,906.09	0.3%	4.6%	1.5%	53.2%
Singapore Straits Times	3,141.13	1.6%	0.6%	-2.8%	28.6%
Brazil Ibovespa	116,928.66	0.8%	11.5%	10.8%	24.5%
Mexican Bolsa IPC	50,864.85	1.9%	-4.5%	-1.5%	37.5%
Gov't bonds (bps change)	Yield	MTD	YTD	1 yr	2 yr
U.S. 10-Yr Treasury	4.098%	5.1	258.8	255.0	325.5
Canada 10-Yr	3.332%	8.1	190.6	160.8	269.6
UK 10-Yr	3.399%	-11.7	242.8	236.0	318.0
Germany 10-Yr	2.141%	-0.1	231.8	230.6	278.1
Fixed income (returns)	Yield	MTD	YTD	1 yr	2 yr
U.S. Aggregate	5.01%	0.2%	-15.5%	-15.6%	-16.0%
U.S. Investment-Grade Corp	5.91%	0.4%	-19.2%	-19.3%	-17.6%
U.S. High-Yield Corp	8.97%	0.1%	-12.4%	-11.7%	-2.6%
Commodities (USD)	Price	MTD	YTD	1 yr	2 уг
Gold (spot \$/oz)	1,635.29	0.1%	-10.6%	-8.5%	-13.7%
Silver (spot \$/oz)	19.22	0.3%	-17.6%	-18.4%	-20.2%
Copper (\$/metric ton)	7,717.00	2.6%	-20.8%	-21.0%	14.3%
Oil (WTI spot/bbl)	90.00	4.0%	16.9%	7.3%	144.5%
Oil (Brent spot/bbl)	95.68	0.9%	23.0%	12.9%	145.5%
Natural Gas (\$/mmBtu)	6.17	-2.9%	65.5%	11.4%	90.3%
Currencies	Rate	MTD	YTD	1 уг	2 yr
U.S. Dollar Index	112.0820	0.5%	17.2%	19.1%	19.1%
CAD/USD	0.7295	-0.6%	-7.8%	-9.5%	-3.6%
USD/CAD	1.3708	0.6%	8.5%	10.5%	3.7%
EUR/USD	0.9817	-0.7%	-13.7%	-15.2%	-15.7%
GBP/USD	1.1390	-0.7%	-15.8%	-16.3%	-11.8%
AUD/USD	0.6352	-0.7%	-12.5%	-14.5%	-10.0%
USD/JPY	147.9300	-0.5%	28.5%	29.8%	41.3%
EUR/JPY	145.2600	-1.2%	11.0%	10.1%	19.1%
EUR/GBP	0.8620	0.0%	2.5%	1.3%	-4.4%
EUR/CHF	0.9850	-0.5%	-5.1%	-7.0%	-7.9%
USD/SGD	1.4178	0.1%	5.1%	5.1%	3.8%
USD/CNY	7.2900	-0.2%	14.7%	13.9%	9.0%
USD/MXN	19.6734	-0.7%	-4.2%	-5.3%	-8.0%
USD/BRL	5.1468	-0.6%	-7.7%	-9.5%	-10.4%
•					

# **Authors**

### Frédérique Carrier – London, United Kingdom

frederique.carrier@rbc.com; RBC Europe Limited

#### Jasmine Duan – Hong Kong, China

jasmine.duan@rbc.com; RBC Investment Services (Asia) Limited

### Thomas Garretson, CFA – Minneapolis, United States tom.garretson@rbc.com; RBC Capital Markets, LLC

# Sean Killin – Toronto, Canada

sean.killin@rbc.com; RBC Dominion Securities Inc.

### Mila Krunic – Toronto, Canada

mila.krunic@rbc.com; RBC Capital Markets, LLC

# Thomas McGarrity, CFA – London, United Kingdom

thomas.mcgarrity@rbc.com; RBC Europe Limited

#### Alan Robinson – Seattle, United States

alan.robinson@rbc.com; RBC Capital Markets, LLC

# **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.

### **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 September 30, 2022

			Investment Banking Services Provided During Past 12 Months		
Rating	Count	Percent	Count	Percent	
Buy [Outperform]	844	57.18	260	30.81	
Hold [Sector Perform]	580	39.30	161	27.76	
Sell [Underperform]	52	3.52	5	9.62	

# 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.

As of March 31, 2020, RBC Capital Markets discontinued its Top Pick rating. Top Pick rated securities represented an analyst's best idea in the sector; expected to provide significant absolute returns over 12 months with a favorable risk-reward ratio. Top Pick rated securities have been reassigned to RBC Capital Markets' Outperform rated securities category, which are securities expected to materially outperform sector average over 12 months.

**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 <u>https://www.rbccm.com/GLDisclosure/</u> <u>PublicWeb/DisclosureLookup.aspx?EntityID=2</u>. 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; by RBC Dominion Securities Inc., a securities broker-dealer with principal offices located in Toronto, Canada; by RBC Investment Services (Asia) Limited, a subsidiary of RBC Dominion Securities Inc., a securities broker-dealer with principal offices located in Hong Kong, China; by Royal Bank of Canada, Singapore Branch, a licensed wholesale bank with its principal office located in Singapore; and by 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 Securities and Futures Commission ('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.

© 2022 RBC Capital Markets, LLC – Member NYSE/FINRA/SIPC © 2022 RBC Dominion Securities Inc. – Member Canadian Investor Protection Fund

© 2022 RBC Europe Limited © 2022 Royal Bank of Canada All rights reserved RBC1253

