# GLOBAL Insight

WEEKLY

Perspectives from the Global Portfolio Advisory Committee



Wealth

Management

# **Opportunities amidst volatility**

Joseph Wu, CFA – Toronto

Uncertainty about the economy, inflation, and monetary policy has supercharged volatility in financial markets and, correspondingly, a repricing in valuations. Further downside cannot be ruled out until greater visibility arrives, but we believe valuations across a number of assets are starting to look relatively more enticing.

#### **Growth anxieties**

Incoming data continue to support the view of ongoing economic expansion, but growth momentum remains on a decelerating path, buffeted by the fluid Russia-Ukraine war, listless Chinese and European economies, and the Fed and other central banks pivoting assertively to tighten monetary policy and, in turn, financial conditions in the face of persistently high inflation.

We think the key question for investors is whether the current slowdown, particularly in the U.S., is an intra-cycle soft patch to be followed by renewed expansion—<u>fairly</u> <u>common episodes</u> in expansion cycles—or a precursor to a recession.

With healthy corporate balance sheets, ongoing strength in employment and wage growth, and households in solid financial shape with a sizable amount of excess savings that can tapped into to smooth spending, we believe the outlook for the largest components of the U.S. economy personal consumption and business investment—is likely to remain adequately robust to sustain the expansion over the coming quarters. This, together with a relatively benign message from our recession scorecard, underpins our current assessment that U.S. recession risk, while present and rising, remains reasonably moderate on a 12-month horizon. Nevertheless, we are cognizant that the risks to this sanguine view stemming from the headwinds mentioned above are building, which suggests to us that "end-ofcycle" worries are likely to persist until markets gain greater visibility on the path of inflation, Fed policy, and the durability of the current U.S. expansion.

#### More "income" in bonds

Bond markets have endured a bruising stretch over the past 12 months amid a rising rate environment, which has broadly pressured bond prices lower. Despite the understandable frustration associated with negative returns in bonds, we believe the recent rout in bonds comes with some potential positive aspects that investors should take into consideration.

First, as bond prices fall, their yields rise, so the recent selloff in bonds has meaningfully bolstered their expected returns. Thanks to the downward repricing, the yields on most major segments of the bond market have not only improved substantially compared to a year ago, but also climbed near or above their respective averages since 2002 (see top chart on the following page). Moreover, credit spreads—a measure of the additional yield compensation for credit risk over government bonds have widened, pointing to enhanced excess return potential for corporate bonds.

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 6/1/22 market close (unless otherwise stated). Produced: June 2, 2022 1:52 pm ET; Disseminated: June 2, 2022 1:56 pm ET For important disclosures, required non-U.S. analyst disclosures, and authors' contact information, see page 6

Second, now that bond yields have moved off historically low levels, relatively higher starting yields today can offer more of a cushion to weather further rises in rates, as well as help augment the ability for fixed income to act like a shock-absorbing diversifier in multi-asset portfolios during periods of equity market turbulence.

While the rising rate backdrop has resulted in short-term capital losses in bonds, the combination of considerably higher all-in yields and improved diversification capacity suggests to us that some value is starting to emerge in fixed income assets.

#### An equities markdown

Aside from emerging markets, forward 12-month earnings estimates for major markets have displayed impressive resilience, particularly for Canada's resource-heavy S&P/ TSX Composite (see table). In stark contrast, the forward price-to-earnings (P/E) multiples investors are willing to pay for these expected earnings streams have declined sharply, as the backdrop of a global economy undergoing a slowdown and higher interest (discount) rates—which reduce the present value of future profit

streams—have prompted investors to demand a higher risk premium to own equities.

In an environment of heightened macro uncertainty, we think earnings delivery will be taking on added importance for equities. Our expectation for slower, but still positive, economic growth suggests that, despite a moderating growth rate, earnings are likely to be higher 12 months from now. Because the direction of stock markets typically aligns with profit trends (beyond the near term), a further expansion in earnings in coming quarters should provide some degree of fundamental support for share prices.

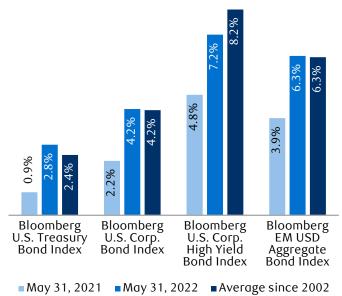
#### **Emergent opportunities**

Market corrections, while always unnerving, occur with regularity as a normal part of the investing cycle. Importantly, these phases of the cycle often provide opportunities for long-term investors to deploy capital at relatively more compelling prices that are beneficial to long-run outcomes.

While we believe investors should remain nimble in light of a wider range of outcomes for the economy and corporate earnings over the next 12 months, if our view

#### Yield profiles look increasingly reasonable

Index yield to maturity



Source - RBC Wealth Management, Bloomberg; data through 5/31/22

#### When in doubt, focus on earnings

	Consensus forward 12-month EPS estimate		Forward P/E			
Index	Current	Jan. 1, 2022	Current	Jan. 1, 2022	Long-term average	
S&P 500	\$238	\$223	17.4x	21.4x	16.2x	
S&P/TSX Composite	\$1,642	\$1,418	12.6x	15.0x	14.8x	
MSCI EAFE	\$161	\$155	12.7x	15.1x	13.4x	
MSCI EM	\$94	\$99	11.4x	12.4x	11.3x	

Source - RBC Wealth Management, Bloomberg; data through 5/31/22

that the current slowdown will likely unfold as a "growth scare" is correct, then valuations across a number of asset markets are starting to look quite appealing.

We think the bottom line is that risk-reward for equities and bonds look considerably more attractive than even a few months ago. This is markedly the case for riskier corporate credit such as high-yield bonds, whose volatility-adjusted expected return potential is arguably competitive with equities.

#### UNITED STATES

Alan Robinson – Seattle

■ U.S. stocks looked for direction during the holidayshortened week as traders weighed the implications of the end-of-May rally. Market bulls pointed to tentative signs of a peak in inflation together with recent softening of high-frequency indicators as evidence the Fed's recent rate hikes are already having an effect, implying fewer additional hikes will be needed. Easing supply chain pressure and moderate upgrades to earnings forecasts underpin this outlook. Conversely, the more negative view is that the recent bounce was simply a bear market rally and only a temporary reprieve given that persistent inflation pressure may prompt the Fed to push interest rates too high.

Recent commentary from major U.S. retailers including Walmart, Gap, and Target suggests inflation in goods prices may have hurt demand. Overall retail inventories grew by \$45 billion in the latest quarter, up 26% from a year ago. But as consumers pivot from spending on goods to services, this glut of merchandise may prompt summer discounts and take the heat off inflation.

Energy prices have also been a major driver of inflation this quarter. Oil rallied to almost \$120 per barrel at the start of the week after European leaders imposed an embargo on two-thirds of the oil imported from Russia. Typically, embargoed commodities usually find buyers elsewhere, but additional restrictions on shipping insurance imply a lot of this supply may remain off the market. In response, OPEC raised its output target by 648,000 barrels/day in both July and August after pressure from oil-consuming nations.

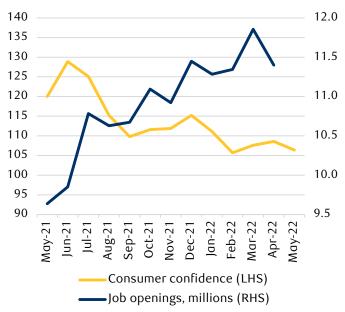
■ Economic data during the week was mixed, with reasonably upbeat corporate sentiment data offset by weakening consumer confidence. A slight slowdown is likely in the monthly jobs report scheduled for Friday (June 3), according to consensus views, but the Job Openings and Labor Turnover Survey (JOLTS) report released June 1 showed job availability remains near record highs (see chart). We believe this solid but moderating economic picture should allay fears of a more serious downdraft for stocks as the year progresses.

#### CANADA

Matt Altro & Richard Tan, CFA – Toronto

■ Inflation continues to run hot, with Canada's Consumer Price Index rising 6.8% y/y in April, marking the fastest pace in 30 years. Notably, groceries and gasoline climbed 9.7% and 36.3%, respectively, further increasing the pinch on the consumer's wallet. In a continued effort by the Bank of Canada (BoC) to fight what feels like ever-

# Consumer confidence declining even as jobs remain plentiful



Source - RBC Wealth Management, FactSet, The Conference Board, U.S. Bureau of Labor Statistics; consumer confidence data through May 2022, job openings through April 2022

weakening purchasing power, **interest rates were hiked another 50 basis points (bps)** on Wednesday. This move matches the magnitude of the hike from the last policy meeting but avoided what seemed like a possible 75 bps hike, easing some negative sentiment on the ability of the BoC to control the current inflationary environment. Aggressive actions of this nature have not been used in over 20 years, and are in response to the need to move quickly to avoid any potential entrenchment of longlasting inflation expectations.

The Big Six Canadian banks reported Q2 earnings that beat consensus expectations, supported by rising interest rates, solid loan growth, and benign credit risks. On the interest rate front, aggressive monetary measures from global central banks enabled the entire group to benefit from margin expansion. Loan growth was also solid, growing 3.5% sequentially, driven by strength in commercial lending and offset by some softness in mortgage originations. Credit provisions were the star of the show, in our opinion, as all banks with the exception of one opted to release reserves back into earnings, citing low credit risk conditions and healthy capital levels. To top things off, the majority of the banks announced dividend increases with an average hike of roughly 4%. All else equal, this was a solid showing for the Canadian banks, in our view, and RBC Capital Markets is still forecasting mid-single-digit earnings growth through 2023. This in conjunction with an average dividend yield of 4% makes for a solid total-return profile, in our opinion.

#### EUROPE

Rufaro Chiriseri, CFA – London

• Euro area inflation accelerated to an all-time high and ahead of the consensus estimate to 8.1% y/y, with energy prices surging by 39.2% y/y in May. Core inflation, which excludes volatile food and energy prices, rose from 3.6% y/y to 3.8% y/y.

In the face of higher inflation, the European Central Bank (ECB) is preparing to lift interest rates for the first time in more than a decade and the upcoming June policy meeting will be closely watched by the market. ECB President Christine Lagarde indicated the path to policy normalization starting with the end of bond purchases in June followed by the first 25 basis point (bps) rate hike in July to reach a policy rate of 0% by the end of Q3 2022. Conversely, a minority of ECB members are supporting an outsized interest rate hike of 50 bps due to surging inflation, while the majority favours a more modest 25 bps hike in July. Bond markets have reacted to the inflation data and hawkish comments, with German 10-year Bunds surging to 1.12% while Italian 10-year sovereign bonds rose to 3.14%. The market now expects around 112 bps of policy tightening for 2022.

■ In the UK, the British Retail Consortium (BRC) survey, which tracks the price of basic goods sold in shops, showed that fresh food prices are rising at their fastest pace in a decade. The BRC said that fresh food prices in May surged by 4.5% y/y and overall shop-price inflation has reached an 11-year high of 2.85%, with little sign of this easing soon due to supply chain disruptions.

While concerns around slowing growth in the UK recently plagued market expectations for more hikes this year, the market is now looking past the Bank of England's dovish stance. Yields rose this week, with 2-year Gilts surging to 1.6% from a low of 1.4% just last week and 10-year Gilts now firmly above 2% at 2.12%. The market now expects the Bank Rate to reach 2.3% by year-end, implying a 25 bps hike at every policy meeting this year.

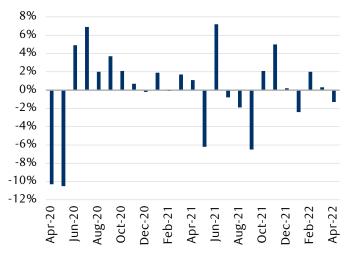
#### ASIA PACIFIC

#### Emily Li – Hong Kong

■ Japan's economic rebound has come under pressure as factory output fell more than the consensus expected, partly due to COVID-19 lockdowns in China that have disrupted supply chains. According to Japan's Ministry of Economy, Trade and Industry, production in April dropped 1.3% m/m, with reduced output of memory chips, digging equipment, and cars among the items with the largest declines. Output fell 4.8% y/y and remains below the level

## Japan factory output continues to face supply-side snarls

Japan Indices of Industrial Production (m/m)



Source - Japan's Ministry of Economy, Trade and Industry, RBC Wealth Management, Bloomberg; data through April 2022

in December. We expect production to recover as the Chinese lockdown restrictions are removed and China accelerates support for its economy, but the pace of the recovery for Japan's factories is uncertain.

■ The China Securities Regulatory Commission and Hong Kong's Securities and Futures Commission have agreed in principle to include exchange-traded funds (ETFs) in the stock connect scheme. Under the scheme, investors from mainland China and Hong Kong can trade ETFs listed on each other's exchanges. Separately, China will further open its financial markets by allowing foreign institutional investors to trade bonds on its smaller exchange market. According to the People's Bank of China, qualified foreign institutional investors, such as central banks, sovereign funds, commercial banks, and pension funds, will be allowed to invest in bonds on the exchange market starting June 30.

■ The shares of Chinese e-commerce giant Alibaba Group Holding Ltd. (9988 HK) rallied for three consecutive trading days after the company reported better-than-expected Q1 2022 revenue growth of 9% y/y last Friday. The impact from COVID-19 lockdowns was less than investors had feared. CEO Daniel Zhang said the company would pursue higher-quality expansion, ensure cost optimization, maintain a strong balance sheet, and continue to expand its ability to build cloud and digital infrastructure for customers. We expect the logistics disruption and a weak consumption appetite will contribute to a relatively flat Q2 for China's e-commerce platforms.

### MARKET Scorecard

Data as of June 1, 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 0.79 means 1 Canadian dollar will buy 0.79 U.S. dollar. CAD/USD -0.1% return means the Canadian dollar fell 0.1% vs. the U.S. dollar year to date. USD/JPY 130.14 means 1 U.S. dollar will buy 130.14 yen. USD/JPY 13.1% return means the U.S. dollar rose 13.1% vs. the yen year to date.

Source - Bloomberg; data as of 6/1/22 market close

SAP 500 4,101.23 -0.7% -14.0% -2.4% 34.2%   Dow Industrials (DJIA) 32,813.23 -0.5% -9.7% 5.1% 28.8%   Nosdaq 11,994.46 -0.7% -23.3% -12.7% 25.6%   Russell 2000 1,854.82 -0.5% -1.74% 19.2% 32.0%   SKPTSX Comp 20.713.72 -0.1% -2.4% 3.7% 6.0%   STOXX Europe 600 438.72 -1.0% -10.1% 2.2% 23.9%   EURO STOXX 50 3.759.54 -0.8% -12.2% -7.7% 22.1%   Hang Seng 21,249.49 -0.6% -9.0% -2.7% -10.3%   Shanghal Comp 31.816 -0.1% -12.2% -17.2% 2.1%   Nikkei 225 27,457.89 0.7% -4.6% -4.7% 2.45%   India Sensex 55.381.17 -0.3% -4.9% 6.66 6.3%   Singapore Straits Times 3.244.00 0.4% 3.9% 1.5% 3.3%   Gov't bond						
Dow Industrials (DJIA) 32,813.23 -0.5% -9.7% -5.1% 28.8%   Nasdaq 11,994.46 -0.7% -23.3% -12.7% 25.6%   Russell 2000 1.854.82 -0.5% -17.4% 19.2% 32.0%   S&P/TSX Comp 20.713.72 -0.1% -2.4% 3.7% 36.0%   STOXX Europe 600 438.72 -1.0% -10.1% -2.5% 23.9%   EURO STOXX 50 3.759.54 -0.8% -12.5% -7.7% 22.1%   Hang Seng 21.294.94 -0.6% -9.0% -2.7% 10.3%   Shanghoi Comp 31.82.16 -0.1% -12.6% -4.7% 24.5%   Inklei 225 27.475.89 0.7% -4.6% -4.7% 24.5%   Inklei 225 27.475.89 0.7% -4.6% -4.7% 24.5%   Inklei 235 7.27% 0.1% -1.8% 25.7%   Brazi Ilbovespa 11.159.9 0.0% 6.2% 1.5% 25.7%   Gord 10.4° 7.0%	Equities (local currency)	Level	MTD	YTD	1 yr	2 уг
Nasdaq 11,994.46 -0.7% -23.3% 12.7% 25.6%   Russell 2000 1.854.82 -0.5% -17.4% 19.2% 32.0%   SAP/TSX Comp 20.713.72 -0.1% -2.4% 32.0%   SAP/TSX Comp 600 43.87 -10.0% -2.5% 32.0%   FTSE All-Share 41.64.00 -0.9% -12.5% -7.7% 22.1%   Hang Seng 21.294.94 -0.6% -9.0% -2.7% -10.3%   Shanghai Comp 3.182.16 -0.1% -12.2% -9.1%   Nikkei 225 27.457.89 0.7% -4.6% -6.6% 6.3%   India Sensex 55.38.17 -0.3% -1.3% 22.4%   Brozil Ibovespa 111.359.94 0.0% 6.2% 13.2% 224.9   Cont bands (bps change) Yield MID YID 2Y 2Y4.9   Conda 10.Yr 2.976% 5.5 136.4 136.5 158.9   Condad 10.Yr 2.976% 5.5 136.4 16.5%	S&P 500	4,101.23	-0.7%	-14.0%	-2.4%	34.2%
Nussell 2000 18,54.82 -0.5% -17,4% -19.2% 32.0%   S&P/TSX Comp 20,713.72 -0.1% -2.4% 3.7% 36.0%   FTSE All-Share 4.164.00 -0.9% -1.0% -2.8% 22.0%   STOXX Europe 600 438.72 -1.0% -10.1% -7.7% 22.1%   Hang Seng 21.249.49 -0.6% -9.0% -27.7% -10.3%   Shanghai Comp 3.182.16 -0.1% -12.6% -12.2% 9.1%   Nikkei 225 27.457.89 0.7% 4.6% 4.47% 24.5%   India Sensex 55.381.17 -0.3% 4.8% 2.7% Mexican Bols 1PC 51.506.15 -0.5% -3.3% 1.8% 22.4%   Stord Conda 10Y 2.906% 6.3 13.8.8 13.1 224.9   US. 10Yr Treasury 2.905% 6.5 13.64 136.5 158.9   Fixed Income (returns) Yeld MTD YT 2Y 24.43   UK 10.Yr 1.187% 6.5<	Dow Industrials (DJIA)	32,813.23	-0.5%	-9.7%	-5.1%	28.8%
SkP/TSX Comp20,713.72-0.1%-2.4%3.7%36.0%FTSE All-Share41.64.00-0.9%-1.0%2.8%22.0%STOXX Europe 600438.72-1.0%-10.1%2.5%23.9%EURO STOXX 503,759.540.8%-12.5%-7.7%22.1%Hang Seng21.294.940.6%-9.0%-27.7%10.3%Shonghal Comp3182.160.1%-12.6%-12.2%9.1%Nikkei 22527,457.890.7%-4.6%-4.7%24.5%India Sensex55,381.17-0.3%-4.9%6.6%66.3%Singopore Straits Times3,244.000.4%3.9%1.8%27.7%Brazil Ibovespa111.359.940.0%6.2%-13.2%25.7%Brazin Ibovespa111.359.940.0%6.3139.8130.1224.9Candad 10-Yr2.90%6.3139.8130.1224.9Candad 10-Yr2.97%8.5155.0148.2244.3UK 10-Yr2.97%5.4118.4132.9192.4Cardad 10-Yr2.185%0.0%-8.9%-8.1%-8.5%US. Negregate3.38%0.0%-8.9%-8.1%-8.5%US. Investment-Grade Corp4.21%0.0%-8.0%-2.1%19.2%US. Kigregato1.847.220.5%14.2%42.8%64.9%20.2%Cold (spot s/oz)1.847.220.5%-3.3%8.6%-2.1%19.3%Cold (spot s/oz)1.15%<	Nasdaq	11,994.46	-0.7%	-23.3%	-12.7%	25.6%
FTSE All-Share4,164.00-0.9%-1.0%-2.8%22.9%STOXX Europe 600438.72-1.0%-10.1%-2.5%23.9%EURO STOXX 503.759.54-0.8%-12.5%-7.7%22.1%Hang Seng21,294.94-0.6%-9.0%-27.7%10.3%Shanghai Comp3.182.16-0.1%-12.6%-12.2%9.0%India Sensex55.381.17-0.3%-4.9%6.6%66.3%Singapore Straits Times3.244.000.4%3.9%1.8%27.2%Brazil Ibovespa111.359.940.0%6.2%-13.2%25.7%Mexican Bolsa IPC51.506.15-0.5%-3.3%1.5%39.3%Gov' bonds (bps change)YieldMTDYTD1yr2yrQS.10Y Treasury2.908%6.5136.4136.5158.9Canada 10 Yr2.155%5.4118.4132.9192.4Germany 10-Yr1.187%6.5136.4136.5158.9Fixed Income (returns)YieldMTDYTD1yr2yrUS. Nggregate3.38%0.0%-8.9%-8.1%8.5%US. Inyr Strate Graph11.847.20.5%11.0%7.5%Qoid (spot S/oz)1.847.20.5%1.0%-2.8%US. Inyr Strate Graph11.5260.5%1.4%20.2%Oid (spot S/oz)1.847.20.5%1.4%4.8%Out Soloy1.8%-5.7%1.4%4.8%Corpe (s/metric ton)	Russell 2000	1,854.82		-17.4%	-19.2%	
STOXX Europe 600 438.72 -1.0% -10.1% -2.5% 23.9%   EURO STOXX 50 3,759.54 -0.8% -12.5% -7.7% 22.1%   Hang Seng 21.294.94 -0.6% -9.0% -27.7% -10.3%   Shanghai Comp 3,182.16 -0.1% -12.6% -12.2% 9.1%   Nikkei 225 27.457.89 0.7% -4.6% -4.7% 24.5%   India Sensex 55.38.117 -0.3% -4.9% 66.6 66.3%   Singapore Straits Times 3,244.00 0.4% 3.9% 1.8% 27.2%   Mexican Bolsa IPC 51,506.15 -0.5% -3.3% 1.5% 39.3%   Gov' Ibonds (bps change) Yield MID YID 1yr 2yr   U.S. 10-Yr Treasury 2,95% 5.5 186.5 155.0 148.2 244.3   Condad IO-Yr 2,155% 5.4 118.4 132.9 192.4   Germany 10-Yr 1.187% 6.5 155.0 148.2 245.9	S&P/TSX Comp	20,713.72	-0.1%	-2.4%	3.7%	36.0%
EURO STOXX 503,759.54-0.8%-12.5%-7.7%22.1%Hang Seng21,294.94-0.6%-9.0%-27.7%-10.3%Shanghai Comp3,182.16-0.1%-12.6%-12.2%9.1%Nikkei 22527,457.890.7%4.6%6.6%6.63%Singapore Straits Times3,244.000.4%3.9%1.8%27.2%Brazil Ibovespa111,359.940.0%6.2%13.2%39.3%Gov't bonds (bps change)YieldMTDYTD1yr2yrU.S. 10-Yr Treasury2.908%6.3139.8130.1224.9Canada 10-Yr2.976%8.5155.0148.2244.3UK 10-Yr2.155%5.4118.4132.9192.4Germany 10-Yr1.18%6.5136.4136.5158.9Fixed income (returns)YieldMTDYTD1yr2yrU.S. Aggregate3.38%0.0%-8.9%-8.1%-8.5%U.S. Investment-Grade Corp4.21%0.0%-8.0%-5.3%8.6%Commodities (USD)PriceMTDYTD1yr2yrGold (spot S/oz)2.1.841.4%-6.3%-21.7%19.3%Copper (s/metric ton)9.445.500.0%-8.0%7.2.%72.0%Oil (WT is pot/bbl)115.260.5%49.7%7.2.%22.5.%Oil (Brent spot/bbl)115.83-5.7%148.2%4.4.%Ox/Copper (s/metric ton)9.45670.1%0.2.%	FTSE All-Share	4,164.00	-0.9%	-1.0%	2.8%	22.0%
Hang Seng21,294.94-0.6%-9.0%-27.7%-10.3%Shanghai Comp3,182.16-0.1%-12.6%-12.2%9.1%Nikkei 22527,457.890.7%-4.6%-4.7%24.5%India Sensex55,381.17-0.3%-4.9%6.6%66.3%Singapore Straits Times3,244.000.4%3.9%1.8%27.2%Brazil Ibovespa111,359.940.0%6.2%-13.2%25.7%Mexican Bolsa IPC51,506.15-0.5%-3.3%1.5%39.3%Gov't bonds (bps change)YieldMIDYID1yr2yrQ.S. 10-Yr Treasury2.908%6.3139.8130.1224.9Canada 10-Yr2.155%5.4118.4132.9192.4Germany 10-Yr1.187%6.5136.4136.5158.9Fixed income (returns)YieldMIDYID1yr2yrQ.S. Aggregate3.38%0.0%-8.9%8.1%8.5%U.S. Investment-Grade Corp4.21%0.0%-11.9%-10.1%7.0%Q.S. Investment-Grade Corp2.1.841.4%-6.3%-21.7%19.3%Copper (s/metric ton)9.445.500.0%-3.0%-7.7%73.0%Oil (Brent spot/bbl)115.83-5.7%48.9%64.9%202.3%Natural Gas (s/mmBtu)8.760.1%-0.1%-7.7%393.5%CurrenciesRateMIDYID1yr2yrUS Dollar Index10.2562 <td>STOXX Europe 600</td> <td>438.72</td> <td>-1.0%</td> <td>-10.1%</td> <td>-2.5%</td> <td></td>	STOXX Europe 600	438.72	-1.0%	-10.1%	-2.5%	
Shanghoi Comp 3,182.16 -0.1% -12.6% -12.2% 9.1%   Nikkei 225 27,457.89 0.7% -4.6% -4.7% 24.5%   India Sensex 55,381.17 -0.3% 4.9% 6.6% 66.3%   Singapore Straits Times 3.244.00 0.4% 3.9% 1.8% 27.2%   Brazil Ibovespa 111,359.94 0.0% 6.2% -13.2% 25.7%   Mexican Bolsa IPC 51,506.15 -0.5% -3.3% 1.5% 39.3%   Gov't bonds (bps change) Yteld MTD YTD 1yr 224.9   Canada 10-Yr 2.976% 8.5 155.0 148.2 244.3   UK 10-Yr 2.155% 5.4 118.4 132.9 192.4   Germany 10-Yr 1.187% 6.5 136.4 136.5 158.9   Fixed income (returns) Yteld MTD YTD 1yr 2yr   US. Neytment-Grade Corp 4.21% 0.0% -8.9% -8.1% -8.5%   US. Inves	EURO STOXX 50	3,759.54	-0.8%	-12.5%	-7.7%	22.1%
Nikkei 22527,457.890.7%4.6%4.7%24.5%India Sensex55,381.17-0.3%4.9%6.6%66.3%Singapore Straits Times3.244.000.4%3.9%1.8%27.2%Brazil Ibovespa111,359.940.0%6.2%-13.2%25.7%Mexican Bolsa IPC51,506.15-0.5%-3.3%1.5%39.3%Gov't bonds (bps change)YieldMTDYTD1 yr2 yrU.S. 10-Yr Treasury2.908%6.3139.8130.1224.9Canada 10-Yr2.976%8.5155.0148.2244.3Germany 10-Yr1.187%6.5136.4136.5158.9Fixed income (returns)YieldMTDYTD1 yr2 yrU.S. Aggregate3.38%0.0%-8.9%-8.1%-8.5%U.S. Investment-Grade Corp4.21%0.0%-11.9%-0.1%-7.0%U.S. High-Yield Corp7.09%0.0%-8.0%-5.3%8.6%Commodities (USD)PriceMTDYTD1 yr2 yrGold (spot S/oz)1.847.220.5%1.0%-2.8%6.2%Silver (spot S/oz)21.841.4%-6.3%-7.7%73.0%Oil (WTI spot/bbl)115.260.5%14.7%182.1%393.5%CurrecticsRateMTDYTD1 yr2 yrU.S. Dollar Index102.56200.8%7.2%14.2%4.8%CAD/USD0.791-0.1%-1.7%<	Hang Seng	21,294.94	-0.6%	-9.0%	-27.7%	
India Sensex 15,381.17 -0.3% -4.9% 6.6% 66.3%   Singapore Straits Times 3,244.00 0.4% 3.9% 1.8% 27.2%   Brazil Ibovespa 111,359.94 0.0% 6.2% -13.2% 25.7%   Mexican Bolsa IPC 51,506.15 -0.5% -3.3% 1.5% 39.3%   Gov't bonds (bps change) Yield MTD YID 1 yr 2yr   U.S. 10/Yr Treasury 2.908% 6.3 139.8 130.1 224.9   Canada 10-Yr 2.976% 8.5 155.0 148.2 244.3   UK 10-Yr 2.155% 5.4 118.4 132.9 192.4   Germany 10-Yr 1.187% 6.5 136.4 136.5 158.9   U.S. Investment-Grade Corp 4.21% 0.0% -8.9% -8.1% -8.5%   U.S. High-Yield Corp 7.09% 0.0% -8.0% -5.3% 8.64%   Commodities (USD) Price MTD YT 1yr 2yr   Gold	Shanghai Comp	3,182.16	-0.1%	-12.6%	-12.2%	9.1%
Singapore Straits Times 3,244.00 0.4% 3.9% 1.8% 27.2%   Brazil Ibovespa 111,359.94 0.0% 6.2% -13.2% 25.7%   Mexican Bolsa IPC 51,506.15 -0.5% -3.3% 1.5% 39.3%   Gov't bonds (bps change) Yield MTD YTD 1 yr 2yr   U.S. 10-Yr Treasury 2.908% 6.3 139.8 130.1 224.9   Canada 10-Yr 2.976% 8.5 155.0 148.2 244.3   UK 10-Yr 2.155% 5.4 118.4 132.9 192.4   Germany 10-Yr 1.187% 6.5 136.4 136.5 158.9   Fixed income (returns) Yield MTD YTD 1 yr 2 yr   U.S. hyggregate 3.38% 0.0% -8.9% -8.1% -8.5%   U.S. hyggregate 7.09% 0.0% -8.0% -5.3% 8.6%   Ost (spot \$/o2) 1.847.22 0.5% 1.0% -2.8% 6.2%   Silver (spot \$	Nikkei 225	27,457.89	0.7%	-4.6%	-4.7%	24.5%
Brazil Bovespa 11,359,94 0.0% 6.2% -13.2% 25.7%   Mexican Bolsa IPC 51,506.15 -0.5% -3.3% 1.5% 39.3%   Gov't bonds (bps change) Yield MTD YTD 1 yr 2yr   U.S. 10-Yr Treasury 2.908% 6.3 139.8 130.1 224.9   Canada 10-Yr 2.976% 8.5 155.0 148.2 244.3   UK 10-Yr 2.155% 5.4 118.4 132.9 192.4   Germany 10-Yr 1.187% 6.5 136.4 136.5 158.9   Fixed income (returns) Yield MTD YTD 1 yr 2 yr   U.S. Aggregate 3.38% 0.0% -8.9% -8.1% -8.5%   U.S. Investment-Grade Corp 4.21% 0.0% -10.1% -7.0%   U.S. Ingh-Yield Corp 7.09% 0.0% -8.0% -5.3% 8.6%   Commodities (USD) Price MTD YTD 1 yr 2 yr   Gold (spot \$/oz) 1.	India Sensex	55,381.17	-0.3%	-4.9%	6.6%	66.3%
Mexican Bolsa IPC 51,506.15 -0.5% -3.3% 1.5% 39.3%   Gov't bonds (bps change) Yield MTD YTD 1 yr 2yr   U.S. 10-Yr Treasury 2.908% 6.3 139.8 130.1 224.9   Canada 10-Yr 2.976% 8.5 155.0 148.2 244.3   UK 10-Yr 2.155% 5.4 118.4 132.9 192.4   Germany 10-Yr 1.187% 6.5 136.4 136.5 158.9   Fixed income (returns) Yield MTD YTD 1yr 2yr   U.S. Aggregate 3.38% 0.0% -8.9% 8.1% -8.5%   U.S. Investment-Grade Corp 4.21% 0.0% -6.3% 21.7% 19.3%   Commodities (USD) Price MTD YTD 1yr 2yr   Gold (spot S/oz) 1.847.22 0.5% 1.0% -2.8% 6.2%   Silver (spot S/oz) 21.84 1.4% 6.3.9% 21.7% 13.3%   Oil (Brot spot/bbl)<	Singapore Straits Times	3,244.00	0.4%	3.9%	1.8%	27.2%
Gov't bonds (bps change)YieldMTDYTD1 yr2 yrU.S. 10-Yr Treasury2.908%6.3139.8130.1224.9Canada 10-Yr2.976%8.5155.0148.2244.3UK 10-Yr2.155%5.4118.4132.9192.4Germany 10-Yr1.187%6.5136.4136.5158.9Fixed income (returns)YieldMTDYTD1 yr2 yrU.S. Aggregate3.38%0.0%-8.9%-8.1%-8.5%U.S. Investment-Grade Corp4.21%0.0%-11.9%-10.1%-7.0%U.S. High-Yield Corp7.09%0.0%-8.0%-5.3%8.6%Commodities (USD)PriceMTDYTD1 yr2 yrGold (spot \$/oz)1.847.220.5%1.0%-2.8%6.2%Silver (spot \$/oz)1.847.220.5%1.0%-2.8%6.2%Silver (spot \$/oz)1.847.220.5%1.0%-2.8%6.2%Oil (WTI spot/bbl)115.260.5%49.7%70.2%225.2%Oil (Brent spot/bbl)115.83-5.7%48.9%64.9%202.3%Natural Gas (S/mmBtu)8.767.5%134.7%182.1%393.5%CurrenciesRateMTDYTD1 yr2 yrU.S. Dollar Index102.56200.8%7.2%14.2%4.8%CAD/USD0.71790.0%-1.2%-7.4%5.6%USD/CAD1.26570.1%0.2%4.9%	Brazil Ibovespa	111,359.94	0.0%	6.2%	-13.2%	25.7%
U.S. 10-Yr Treasury 2.908% 6.3 139.8 130.1 224.9   Canada 10-Yr 2.976% 8.5 155.0 148.2 244.3   UK 10-Yr 2.155% 5.4 118.4 132.9 192.4   Germany 10-Yr 1.187% 6.5 136.4 136.5 158.9   Fixed income (returns) Yield MTD YTD 1yr 2yr   U.S. Aggregate 3.38% 0.0% -8.9% -8.1% -8.5%   U.S. Investment-Grade Corp 4.21% 0.0% -11.9% -10.1% -7.0%   U.S. High-Yield Corp 7.09% 0.0% -8.0% -5.3% 8.6%   Commodities (USD) Price MTD YT 2yr   Gold (spot \$/oz) 1.847.22 0.5% 1.0% -2.8% 6.2%   Silver (spot \$/oz) 21.84 1.4% -6.3% -21.7% 19.3%   Copper (\$/metric ton) 9.445.50 0.0% -3.0% -7.7% 73.0%   Oil (WT1 spot/bbl) <td< td=""><td></td><td></td><td>-0.5%</td><td></td><td></td><td></td></td<>			-0.5%			
Canada 10-Yr 2.976% 8.5 155.0 148.2 244.3   UK 10-Yr 2.155% 5.4 118.4 132.9 192.4   Germany 10-Yr 1.187% 6.5 136.4 136.5 158.9   Fixed income (returns) Yield MTD YTD 1 yr 2 yr   U.S. Aggregate 3.38% 0.0% -8.9% -8.1% -8.5%   U.S. Investment-Grade Corp 4.21% 0.0% -11.9% -10.1% -7.0%   U.S. High-Yield Corp 7.09% 0.0% -8.0% -5.3% 8.6%   Commodities (USD) Price MTD YTD 1 yr 2 yr   Gold (spot \$/oz) 1.847.22 0.5% 1.0% -21.7% 19.3%   Copper (\$/metric ton) 9.445.50 0.0% -3.0% -7.7% 73.0%   Oil (Brent spot/bbl) 115.83 -5.7% 48.9% 64.9% 202.3%   Natural Gas (\$/mmBtu) 8.76 7.5% 134.7% 182.1% 393.5% <td< td=""><td>Gov't bonds (bps change)</td><td></td><td>MTD</td><td>YTD</td><td>1 yr</td><td>2 yr</td></td<>	Gov't bonds (bps change)		MTD	YTD	1 yr	2 yr
UK 10-Yr 2.155% 5.4 118.4 132.9 192.4   Germany 10-Yr 1.187% 6.5 136.4 136.5 158.9   Fixed income (returns) Yield MTD YTD 1 yr 2 yr   U.S. Aggregate 3.38% 0.0% -8.9% -8.1% -8.5%   U.S. Investment-Grade Corp 4.21% 0.0% -11.9% -10.1% -7.0%   U.S. High-Yield Corp 7.09% 0.0% -8.0% -5.3% 8.6%   Commodities (USD) Price MTD YTD 1 yr 2 yr   Gold (spot \$/oz) 1.847.22 0.5% 1.0% -2.8% 6.2%   Silver (spot \$/oz) 21.84 1.4% -6.3% -21.7% 19.3%   Copper (\$/metric ton) 9.445.50 0.0% -3.0% -7.7% 73.0%   Oil (Brent spot/bbl) 115.83 -5.7% 48.9% 64.9% 202.3%   Natural Gas (\$/mmBtu) 8.76 7.5% 134.7% 182.1% 393.5%	,					
Germany 10-Yr 1.187% 6.5 136.4 136.5 158.9   Fixed income (returns) Yield MTD YTD 1 yr 2 yr   U.S. Aggregate 3.38% 0.0% -8.9% -8.1% -8.5%   U.S. Investment-Grade Corp 4.21% 0.0% -11.9% -10.1% -7.0%   U.S. High-Yield Corp 7.09% 0.0% -8.0% -5.3% 8.6%   Commodities (USD) Price MTD YTD 1 yr 2 yr   Gold (spot \$/oz) 1.847.22 0.5% 1.0% -2.8% 6.2%   Silver (spot \$/oz) 21.84 1.4% -6.3% -21.7% 19.3%   Copper (\$/metric ton) 9.445.50 0.0% -3.0% -7.7% 73.0%   Oil (Brent spot/bbl) 115.83 -5.7% 48.9% 64.9% 202.3%   Natural Gas (\$/mmBtu) 8.76 7.5% 134.7% 182.1% 393.5%   Currencies Rate MTD YTD 1yr 4.8% <td< td=""><td>Canada 10-Yr</td><td>2.976%</td><td>8.5</td><td>155.0</td><td>148.2</td><td>244.3</td></td<>	Canada 10-Yr	2.976%	8.5	155.0	148.2	244.3
Fixed income (returns)YieldMTDYTD1 yr2 yrU.S. Aggregate3.38%0.0%-8.9%-8.1%-8.5%U.S. Investment-Grade Corp4.21%0.0%-11.9%-10.1%-7.0%U.S. High-Yield Corp7.09%0.0%-8.0%-5.3%8.6%Commodities (USD)PriceMTDYTD1 yr2 yrGold (spot \$/oz)1.847.220.5%1.0%-2.8%6.2%Silver (spot \$/oz)21.841.4%-6.3%-21.7%19.3%Copper (\$/metric ton)9.445.500.0%-3.0%-7.7%73.0%Oil (WTI spot/bbl)115.260.5%49.7%70.2%225.2%Oil (Brent spot/bbl)115.83-5.7%48.9%64.9%202.3%Natural Gas (\$/mmBtu)8.767.5%134.7%182.1%393.5%CurrenciesRateMTDYTD1 yr2 yrU.S. Dollar Index102.56200.8%7.2%14.2%4.8%CAD/USD0.7901-0.1%-0.1%-4.6%7.2%USD/CAD1.26570.1%0.2%4.9%66.7%EUR/USD1.0653-0.8%-6.3%-12.8%4.3%GBP/USD1.2493-0.9%-7.7%11.7%0.0%USD/PY130.14001.1%13.1%18.9%21.0%EUR/USD0.71790.0%-1.2%-4.3%-4.3%GBP/USD1.37490.4%5.9%3.7%15.7% <t< td=""><td></td><td>2.155%</td><td>5.4</td><td>118.4</td><td>132.9</td><td>192.4</td></t<>		2.155%	5.4	118.4	132.9	192.4
U.S. Aggregate 3.38% 0.0% -8.9% -8.1% -8.5%   U.S. Investment-Grade Corp 4.21% 0.0% -11.9% -10.1% -7.0%   U.S. High-Yield Corp 7.09% 0.0% -8.0% -5.3% 8.6%   Commodities (USD) Price MTD YTD 1 yr 2 yr   Gold (spot \$/oz) 1.847.22 0.5% 1.0% -2.8% 6.2%   Silver (spot \$/oz) 21.84 1.4% -6.3% -21.7% 19.3%   Copper (\$/metric ton) 9.445.50 0.0% -3.0% -7.7% 73.0%   Oil (WTI spot/bbl) 115.26 0.5% 49.7% 70.2% 225.2%   Oil (Brent spot/bbl) 115.83 -5.7% 48.9% 64.9% 202.3%   Natural Gas (\$/mmBtu) 8.76 7.5% 134.7% 182.1% 393.5%   Currencies Rate MTD YT 2 yr 20.5% 14.2% 4.8%   CAD/USD 0.7901 -0.1% -0.1% 14.2%	Germany 10-Yr	1.187%	6.5	136.4	136.5	158.9
Number DistributionNumber DistributionNumber DistributionU.S. Investment-Grade Corp4.21%0.0%-11.9%-10.1%-7.0%U.S. High-Yield Corp7.09%0.0%-8.0%-5.3%8.6%Commodities (USD)PriceMTDYTD1 yr2 yrGold (spot \$/oz)1,847.220.5%1.0%-2.8%6.2%Silver (spot \$/oz)21.841.4%-6.3%-21.7%19.3%Copper (\$/metric ton)9,445.500.0%-3.0%-7.7%73.0%Oil (WTI spot/bbl)115.260.5%49.7%70.2%225.2%Oil (Brent spot/bbl)115.83-5.7%48.9%64.9%202.3%Natural Gas (\$/mmBtu)8.767.5%134.7%182.1%393.5%CurrenciesRateMTDYTD1 yr2 yrU.S. Dollar Index102.56200.8%7.2%14.2%4.8%CAD/USD0.7901-0.1%-0.1%-4.6%7.2%USD/CAD1.26570.1%0.2%4.9%-6.7%EUR/USD1.0653-0.8%-6.3%-12.8%4.3%GBP/USD1.2493-0.9%-7.7%71.1%0.0%AUD/USD0.71790.0%-1.2%-7.4%5.6%USD/IPY130.14001.1%13.1%18.9%21.0%EUR/GBP0.85290.1%1.4%-1.2%4.3%EUR/CHF1.0261-0.3%-1.1%-6.4%4.1%USD	Fixed income (returns)	Yield	MTD	YTD	1 yr	2 yr
U.S. High-Yield Corp7.09%0.0%-8.0%-5.3%8.6%Commodities (USD)PriceMTDYTD1 yr2 yrGold (spot \$/oz)1.847.220.5%1.0%-2.8%6.2%Silver (spot \$/oz)21.841.4%-6.3%-21.7%19.3%Copper (\$/metric ton)9,445.500.0%-3.0%-7.7%73.0%Oil (WTI spot/bbl)115.260.5%49.7%70.2%225.2%Oil (Brent spot/bbl)115.83-5.7%48.9%64.9%202.3%Natural Gas (\$/mmBtu)8.767.5%134.7%182.1%393.5%CurrenciesRateMTDYTD1 yr2 yrU.S. Dollar Index102.56200.8%7.2%14.2%4.8%CAD/USD0.7901-0.1%-0.1%-4.6%7.2%USD/CAD1.26570.1%0.2%4.9%-6.7%EUR/USD1.0653-0.8%-7.2%11.7%0.0%AUD/USD0.71790.0%-1.2%-7.4%5.6%USD/JPY130.14001.1%13.1%18.9%21.0%EUR/GBP0.85290.1%1.4%-1.2%4.3%EUR/CHF1.0261-0.3%-1.1%-6.4%4.1%USD/SGD1.37490.4%1.9%4.0%-2.3%USD/CNY6.68620.2%5.2%4.8%-6.2%USD/MXN19.70080.2%-4.0%-1.3%-10.6%	U.S. Aggregate	3.38%	0.0%	-8.9%	-8.1%	-8.5%
Commodities (USD)PriceMTDYTD1 yr2 yrGold (spot \$/oz)1,847.220.5%1.0%-2.8%6.2%Silver (spot \$/oz)21.841.4%-6.3%-21.7%19.3%Copper (\$/metric ton)9,445.500.0%-3.0%-7.7%73.0%Oil (WTI spot/bbl)115.260.5%49.7%70.2%225.2%Oil (Brent spot/bbl)115.83-5.7%48.9%64.9%202.3%Natural Gas (\$/mmBtu)8.767.5%134.7%182.1%393.5%CurrenciesRateMTDYTD1 yr2 yrU.S. Dollar Index102.56200.8%7.2%14.2%4.8%CAD/USD0.7901-0.1%-0.1%-4.6%7.2%USD/CAD1.26570.1%0.2%4.9%-6.7%EUR/USD1.0653-0.8%-6.3%-12.8%-4.3%GBP/USD1.2493-0.9%-7.7%5.6%USD/JPY130.14001.1%13.1%18.9%21.0%EUR/GBP0.85290.1%1.4%-1.2%-4.3%EUR/CHF1.0261-0.3%-1.1%-6.4%-4.1%USD/SGD1.37490.4%1.9%4.0%-2.3%USD/MXN19.70080.2%-4.0%-1.3%-10.6%	U.S. Investment-Grade Corp	4.21%	0.0%	-11.9%	-10.1%	-7.0%
Gold (spot \$/oz)1,847.220.5%1.0%-2.8%6.2%Silver (spot \$/oz)21.841.4%-6.3%-21.7%19.3%Copper (\$/metric ton)9,445.500.0%-3.0%-7.7%73.0%Oil (WTI spot/bbl)115.260.5%49.7%70.2%225.2%Oil (Brent spot/bbl)115.83-5.7%48.9%64.9%202.3%Natural Gas (\$/mmBtu)8.767.5%134.7%182.1%393.5%CurrenciesRateMTDYTD1 yr2 yrU.S. Dollar Index102.56200.8%7.2%14.2%4.8%CAD/USD0.7901-0.1%-0.1%-4.6%7.2%USD/CAD1.26570.1%0.2%4.9%-6.7%EUR/USD1.0653-0.8%-6.3%-12.8%-4.3%GBP/USD1.2493-0.9%-7.7%5.6%13.1%USD/JPY130.14001.1%13.1%18.9%21.0%EUR/JPY138.63000.4%5.9%3.7%15.7%EUR/GBP0.85290.1%1.4%-1.2%-4.3%USD/SGD1.37490.4%1.9%4.0%-2.3%USD/CNY6.68620.2%5.2%4.8%-6.2%USD/MXN19.70080.2%-4.0%-1.3%-10.6%	U.S. High-Yield Corp	7.09%	0.0%	-8.0%	-5.3%	8.6%
Silver (spot \$/oz)21.841.4%-6.3%-21.7%19.3%Copper (\$/metric ton)9,445.500.0%-3.0%-7.7%73.0%Oil (WT1 spot/bbl)115.260.5%49.7%70.2%225.2%Oil (Brent spot/bbl)115.83-5.7%48.9%64.9%202.3%Natural Gas (\$/mmBtu)8.767.5%134.7%182.1%393.5%CurrenciesRateMTDYTD1 yr2 yrU.S. Dollar Index102.56200.8%7.2%14.2%4.8%CAD/USD0.7901-0.1%-0.1%4.6%7.2%USD/CAD1.26570.1%0.2%4.9%-6.7%EUR/USD1.0653-0.8%-6.3%-12.8%-4.3%GBP/USD1.2493-0.9%-7.7%11.7%0.0%AUD/USD0.71790.0%-1.2%-7.4%5.6%USD/JPY138.63000.4%5.9%3.7%15.7%EUR/GBP0.85290.1%1.4%-1.2%-4.3%EUR/CHF1.0261-0.3%-1.1%-6.4%-4.1%USD/SGD1.37490.4%1.9%4.0%-2.3%USD/IXN19.70080.2%-4.0%-1.3%-10.6%	Commodities (USD)	Price	MTD	YTD	1 уг	2 уг
Copper (\$/metric ton)9,445.500.0%-3.0%-7.7%73.0%Oil (WTI spot/bbl)115.260.5%49.7%70.2%225.2%Oil (Brent spot/bbl)115.83-5.7%48.9%64.9%202.3%Natural Gas (\$/mmBtu)8.767.5%134.7%182.1%393.5%CurrenciesRateMTDYTD1 yr2 yrU.S. Dollar Index102.56200.8%7.2%14.2%4.8%CAD/USD0.7901-0.1%-0.1%-4.6%7.2%USD/CAD1.26570.1%0.2%4.9%-6.7%EUR/USD1.0653-0.8%-6.3%-12.8%-4.3%GBP/USD1.2493-0.9%-7.7%111.7%0.0%AUD/USD0.71790.0%-1.2%-7.4%5.6%USD/JPY130.14001.1%13.1%18.9%21.0%EUR/GBP0.85290.1%1.4%-1.2%-4.3%EUR/CHF1.0261-0.3%-1.1%-6.4%-4.1%USD/SGD1.37490.4%1.9%4.0%-2.3%USD/CNY6.68620.2%5.2%4.8%-6.2%USD/MXN19.70080.2%-4.0%-1.3%-10.6%	Gold (spot \$/oz)	1,847.22	0.5%	1.0%	-2.8%	6.2%
Oil (WTI spot/bbl)115.260.5%49.7%70.2%225.2%Oil (Brent spot/bbl)115.83-5.7%48.9%64.9%202.3%Natural Gas (\$/mmBtu)8.767.5%134.7%182.1%393.5%CurrenciesRateMTDYTD1 yr2 yrU.S. Dollar Index102.56200.8%7.2%14.2%4.8%CAD/USD0.7901-0.1%-0.1%-4.6%7.2%USD/CAD1.26570.1%0.2%4.9%-6.7%EUR/USD1.0653-0.8%-6.3%-12.8%-4.3%GBP/USD1.2493-0.9%-7.7%-11.7%0.0%AUD/USD0.71790.0%-1.2%3.7%15.7%EUR/JPY130.14001.1%13.1%18.9%21.0%EUR/GBP0.85290.1%1.4%-4.3%EUR/CHF1.0261-0.3%-1.1%-6.4%-4.1%USD/SCD1.37490.4%1.9%4.0%-2.3%USD/CNY6.68620.2%5.2%4.8%-6.2%USD/MXN19.70080.2%-4.0%-1.3%-10.6%	Silver (spot \$/oz)	21.84	1.4%	-6.3%	-21.7%	19.3%
Oil (Brent spot/bbl)115.83-5.7%48.9%64.9%202.3%Natural Gas (\$/mmBtu)8.767.5%134.7%182.1%393.5%CurrenciesRateMTDYTD1 yr2 yrU.S. Dollar Index102.56200.8%7.2%14.2%4.8%CAD/USD0.7901-0.1%-0.1%-4.6%7.2%USD/CAD1.26570.1%0.2%4.9%-6.7%EUR/USD1.0653-0.8%-6.3%-12.8%-4.3%GBP/USD1.2493-0.9%-7.7%-11.7%0.0%AUD/USD0.71790.0%-1.2%-7.4%5.6%USD/JPY130.14001.1%13.1%18.9%21.0%EUR/GBP0.85290.1%1.4%-1.2%-4.3%EUR/CHF1.0261-0.3%-1.1%-6.4%-4.1%USD/SQD1.37490.4%1.9%4.0%-2.3%USD/CNY6.68620.2%5.2%4.8%-6.2%USD/MXN19.70080.2%-4.0%-1.3%-10.6%	Copper (\$/metric ton)	9,445.50	0.0%	-3.0%	-7.7%	73.0%
Natural Gas (\$/mmBtu)8.767.5%134.7%182.1%393.5%CurrenciesRateMTDYTD1 yr2 yrU.S. Dollar Index102.56200.8%7.2%14.2%4.8%CAD/USD0.7901-0.1%-0.1%-4.6%7.2%USD/CAD1.26570.1%0.2%4.9%-6.7%EUR/USD1.0653-0.8%-6.3%-12.8%-4.3%GBP/USD1.2493-0.9%-7.7%-11.7%0.0%AUD/USD0.71790.0%-1.2%7.4%5.6%USD/JPY130.14001.1%13.1%18.9%21.0%EUR/GBP0.85290.1%1.4%-1.2%-4.3%EUR/GBP0.85290.1%1.4%-1.2%-4.3%USD/SGD1.37490.4%1.9%4.0%-2.3%USD/NXN19.70080.2%-4.0%-1.3%-10.6%	Oil (WTI spot/bbl)	115.26	0.5%	49.7%	70.2%	225.2%
CurrenciesRateMTDYTD1 yr2 yrU.S. Dollar Index102.56200.8%7.2%14.2%4.8%CAD/USD0.7901-0.1%-0.1%-4.6%7.2%USD/CAD1.26570.1%0.2%4.9%-6.7%EUR/USD1.0653-0.8%-6.3%-12.8%-4.3%GBP/USD1.2493-0.9%-7.7%-11.7%0.0%AUD/USD0.71790.0%-1.2%-7.4%5.6%USD/JPY130.14001.1%13.1%18.9%21.0%EUR/JPY138.63000.4%5.9%3.7%15.7%EUR/GBP0.85290.1%1.4%-1.2%-4.3%EUR/CHF1.0261-0.3%-1.1%-6.4%-4.1%USD/SGD1.37490.4%1.9%4.0%-2.3%USD/MXN19.70080.2%-4.0%-1.3%-10.6%	Oil (Brent spot/bbl)	115.83	-5.7%	48.9%	64.9%	202.3%
U.S. Dollar Index102.56200.8%7.2%14.2%4.8%CAD/USD0.7901-0.1%-0.1%-4.6%7.2%USD/CAD1.26570.1%0.2%4.9%-6.7%EUR/USD1.0653-0.8%-6.3%-12.8%-4.3%GBP/USD1.2493-0.9%-7.7%-11.7%0.0%AUD/USD0.71790.0%-1.2%7.4%5.6%USD/JPY130.14001.1%13.1%18.9%21.0%EUR/JPY138.63000.4%5.9%3.7%15.7%EUR/GBP0.85290.1%1.4%-1.2%-4.3%EUR/CHF1.0261-0.3%-1.1%-6.4%-4.1%USD/SQD1.37490.4%1.9%4.0%-2.3%USD/CNY6.68620.2%5.2%4.8%-6.2%USD/MXN19.70080.2%-4.0%-1.3%-10.6%	Natural Gas (\$/mmBtu)	8.76	7.5%	134.7%	182.1%	393.5%
CAD/USD0.7901-0.1%-0.1%-4.6%7.2%USD/CAD1.26570.1%0.2%4.9%-6.7%EUR/USD1.0653-0.8%-6.3%-12.8%-4.3%GBP/USD1.2493-0.9%-7.7%-11.7%0.0%AUD/USD0.71790.0%-1.2%-7.4%5.6%USD/JPY130.14001.1%13.1%18.9%21.0%EUR/JPY138.63000.4%5.9%3.7%15.7%EUR/GBP0.85290.1%1.4%-1.2%-4.3%USD/SGD1.37490.4%1.9%4.0%-2.3%USD/CNY6.68620.2%5.2%4.8%-6.2%USD/MXN19.70080.2%-4.0%-1.3%-10.6%	Currencies	Rate	MTD	YTD	1 уг	2 yr
USD/CAD1.26570.1%0.2%4.9%-6.7%EUR/USD1.0653-0.8%-6.3%-12.8%-4.3%GBP/USD1.2493-0.9%-7.7%-11.7%0.0%AUD/USD0.71790.0%-1.2%7.4%5.6%USD/JPY130.14001.1%13.1%18.9%21.0%EUR/JPY138.63000.4%5.9%3.7%15.7%EUR/GBP0.85290.1%1.4%-1.2%-4.3%EUR/CHF1.0261-0.3%-1.1%-6.4%-4.1%USD/SQD1.37490.4%1.9%4.0%-2.3%USD/CNY6.68620.2%5.2%4.8%-6.2%USD/MXN19.70080.2%-4.0%-1.3%-10.6%	U.S. Dollar Index	102.5620	0.8%	7.2%	14.2%	4.8%
EUR/USD1.0653-0.8%-6.3%-12.8%-4.3%GBP/USD1.2493-0.9%-7.7%-11.7%0.0%AUD/USD0.71790.0%-1.2%-7.4%5.6%USD/JPY130.14001.1%13.1%18.9%21.0%EUR/JPY138.63000.4%5.9%3.7%15.7%EUR/GBP0.85290.1%1.4%-1.2%-4.3%EUR/CHF1.0261-0.3%-1.1%-6.4%-4.1%USD/SQD1.37490.4%1.9%4.0%-2.3%USD/CNY6.68620.2%5.2%4.8%-6.2%USD/MXN19.70080.2%-4.0%-1.3%-10.6%	CAD/USD	0.7901	-0.1%	-0.1%	-4.6%	7.2%
GBP/USD1.2493-0.9%-7.7%-11.7%0.0%AUD/USD0.71790.0%-1.2%-7.4%5.6%USD/JPY130.14001.1%13.1%18.9%21.0%EUR/JPY138.63000.4%5.9%3.7%15.7%EUR/GBP0.85290.1%1.4%-1.2%-4.3%EUR/CHF1.0261-0.3%-1.1%-6.4%-4.1%USD/SGD1.37490.4%1.9%4.0%-2.3%USD/CNY6.68620.2%5.2%4.8%-6.2%USD/MXN19.70080.2%-4.0%-1.3%-10.6%	USD/CAD	1.2657	0.1%	0.2%	4.9%	-6.7%
AUD/USD0.71790.0%-1.2%-7.4%5.6%USD/JPY130.14001.1%13.1%18.9%21.0%EUR/JPY138.63000.4%5.9%3.7%15.7%EUR/GBP0.85290.1%1.4%-1.2%-4.3%EUR/CHF1.0261-0.3%-1.1%-6.4%-4.1%USD/SGD1.37490.4%1.9%4.0%-2.3%USD/CNY6.68620.2%5.2%4.8%-6.2%USD/MXN19.70080.2%-4.0%-1.3%-10.6%	EUR/USD	1.0653	-0.8%	-6.3%	-12.8%	-4.3%
USD/JPY130.14001.1%13.1%18.9%21.0%EUR/JPY138.63000.4%5.9%3.7%15.7%EUR/GBP0.85290.1%1.4%-1.2%-4.3%EUR/CHF1.0261-0.3%-1.1%-6.4%-4.1%USD/SGD1.37490.4%1.9%4.0%-2.3%USD/CNY6.68620.2%5.2%4.8%-6.2%USD/MXN19.70080.2%-4.0%-1.3%-10.6%	GBP/USD	1.2493	-0.9%	-7.7%	-11.7%	0.0%
EUR/JPY138.63000.4%5.9%3.7%15.7%EUR/GBP0.85290.1%1.4%-1.2%-4.3%EUR/CHF1.0261-0.3%-1.1%-6.4%-4.1%USD/SGD1.37490.4%1.9%4.0%-2.3%USD/CNY6.68620.2%5.2%4.8%-6.2%USD/MXN19.70080.2%-4.0%-1.3%-10.6%	AUD/USD	0.7179	0.0%	-1.2%	-7.4%	5.6%
EUR/GBP0.85290.1%1.4%-1.2%-4.3%EUR/CHF1.0261-0.3%-1.1%-6.4%-4.1%USD/SGD1.37490.4%1.9%4.0%-2.3%USD/CNY6.68620.2%5.2%4.8%-6.2%USD/MXN19.70080.2%-4.0%-1.3%-10.6%	USD/JPY	130.1400	1.1%	13.1%	18.9%	
EUR/CHF1.0261-0.3%-1.1%-6.4%-4.1%USD/SGD1.37490.4%1.9%4.0%-2.3%USD/CNY6.68620.2%5.2%4.8%-6.2%USD/MXN19.70080.2%-4.0%-1.3%-10.6%	EUR/JPY	138.6300	0.4%	5.9%	3.7%	15.7%
USD/SGD1.37490.4%1.9%4.0%-2.3%USD/CNY6.68620.2%5.2%4.8%-6.2%USD/MXN19.70080.2%-4.0%-1.3%-10.6%	EUR/GBP	0.8529	0.1%	1.4%	-1.2%	-4.3%
USD/CNY 6.6862 0.2% 5.2% 4.8% -6.2%   USD/MXN 19.7008 0.2% -4.0% -1.3% -10.6%	EUR/CHF	1.0261	-0.3%	-1.1%	-6.4%	-4.1%
USD/MXN 19.7008 0.2% -4.0% -1.3% -10.6%	USD/SGD	1.3749	0.4%	1.9%	4.0%	-2.3%
	USD/CNY	6.6862	0.2%	5.2%	4.8%	-6.2%
USD/BRL 4.8113 1.6% -13.7% -6.6% -10.3%	USD/MXN	19.7008	0.2%	-4.0%	-1.3%	-10.6%
	USD/BRL	4.8113	1.6%	-13.7%	-6.6%	-10.3%

#### **Authors**

#### Joseph Wu, CFA – Toronto, Canada

joseph.wu@rbc.com; RBC Dominion Securities Inc.

#### Alan Robinson – Seattle, United States

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

#### Richard Tan, CFA – Toronto, Canada

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

#### Matt Altro – Toronto, Canada

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

#### Rufaro Chiriseri, CFA – London, United Kingdom

rufaro.chiriseri@rbc.com; RBC Europe Limited

#### Emily Li – Hong Kong, China

emily.c.li@rbc.com; RBC Investment Services (Asia) Limited

#### **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 <u>https://www.rbccm.com/GLDisclosure/PublicWeb/</u> <u>DisclosureLookup.aspx?EntityID=2</u> 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 March 31, 2022

			Investment Banking Services Provided During Past 12 Months	
Rating	Count	Percent	Count	Percent
Buy [Outperform]	841	57.68	330	39.24
Hold [Sector Perform]	569	39.03	172	30.23
Sell [Underperform]	48	3.29	3	6.25

# 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

