# RBC WEALTH MANAGEMENT -

# Global Insight

# A closer look

# U.S. & China dig in for protracted trade battle

Jay Roberts, CFA – Hong Kong

With the trade row ramping up as fresh tariffs are set to kick in, both sides look like they're hunkering down for the long haul. We think the dispute goes far beyond trade, and we look at what the latest salvo could mean for both sides.

The U.S. imposed a third set of tariffs on China, imposing a 10% tax on \$200B of imports from China, commencing on September 24. This will rise to a 25% tax from January 1 unless the two sides can come to an agreement. Combined with the earlier tariffs on \$50B of goods, the U.S. has imposed tariffs on approximately half of all imports from China.

China responded immediately with a 5% to 10% tax on \$60B of imports from the U.S., also commencing September 24. Combined with the earlier tariffs, also on \$50B of goods, China has imposed tariffs on approximately 85% of imports from the U.S.

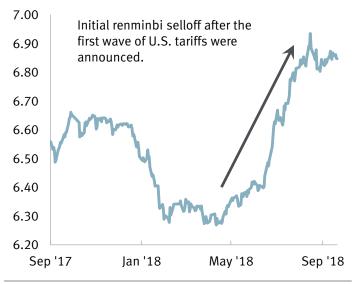
The Hong Kong and China equity markets greeted the latest salvo in the trade dispute with a surprising rally. Perhaps this was because the tariff level was not as high as some feared. Additionally, such bounces in stocks are also quite normal in the course of bear markets. In our view, the Hang Seng Index, whose market capitalization is made up mostly of mainland China companies, will remain under pressure for the foreseeable future, although much of the weakness in stock prices may already be in the bag. We continue to prefer higheryielding, defensive stocks.

# Will China stage an intervention?

One way for China to offset the punitive effect of tariffs, which make its products more expensive to U.S. buyers, would be to engineer a weaker currency. It is debatable that China would do so. True, after the initial set of tariffs was announced in May, the renminbi dropped from around USDCNY6.4 to 6.85 in just a couple of months as investors digested the fact that tariffs were real and moved into a "risk-off" mode.

# After a notable selloff, China's renminbi has leveled off

USDCNY exchange rate



Note: With the USDCNY currency pair, a rising trend indicates a rising dollar and falling Chinese renminbi. A falling trend indicates a falling dollar and rising renminbi.

Source - RBC Wealth Management, Bloomberg; data through 9/20/18

# Market pulse

- **3** Major realignment of U.S. equity sector designations
- 4 Will milk sour the NAFTA negotiations?
- 4 U.K.-EU divorce: Deal or disorder?



However, the currency has remained steady since then. Speaking at the World Economic Forum in Tianjin, a major Chinese city, Premier Li Keqiang stated, "Persistent depreciation of the RMB will only do more harm than good to our country." We agree. A depreciating currency might once again lead to capital outflows, arguably a bigger threat to China than the trade dispute. He also noted that China is facing a range of challenges leading to "greater difficulties in keeping stable performance of the Chinese economy."

# Trade dispute, tech dispute, or more?

Going forward, there is little chance of a favourable outcome to the trade dispute any time soon, in our view. We continue to believe that the U.S. is punishing China for engineering technology transfer, which the U.S. perceives as unfair, via a range of means from forcing companies into joint ventures all the way to state-sponsored cyber theft (see <u>In the trenches of</u> <u>the trade dispute</u>).

Nor are these concerns and allegations new, having also been discussed during the Obama administration. Indeed, the current approach to China is bipartisan, meaning that what transpires during the U.S. midterm elections may have little impact on policy thereafter. There is even a line of thinking that the U.S.'s new, hard line on China is to attempt to restrict the country from becoming a superpower and protect U.S. hegemony.

In any event, the changes to China's laws, regulations, and behaviours that the U.S. is demanding mean that the gap between the two sides at the negotiating table—when indeed they are actually at the table at all—is particularly hard to bridge. China has been sending successively lower-ranked officials to negotiate with the U.S. Vice Premier Liu He attended the talks in June. The forthcoming talks will be attended by Vice Commerce Minister Wang Shouwen. Prospects dwindle, in our view.

# Feeling the bite

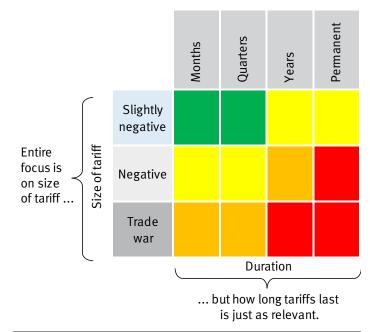
Market impact has been fairly rapid and deep in the Chinese and Hong Kong equity markets. As the dispute expands in size to cover hundreds of billions of dollars of goods, potentially impacting global supply chains, the question becomes what impact this may have on overall economic growth.

For the U.S., this is likely still limited as it exports four times less to China than it imports—although one wonders if the U.S. equity market may finally hiccup.

For China, the impact is larger but, we would argue, manageable at present. However, should the U.S. end up taxing all \$500B of its imports from China, the impact could knock over 0.5% off of China's GDP growth, a material amount. Fang Xinghai, vice chairman of the China Securities Regulatory Commission, estimated that taxing all of China's U.S. exports might remove 0.7% from China's GDP growth. In his view, this is not significant, a point that we would disagree with.

## A second dimension to tariff math: Duration

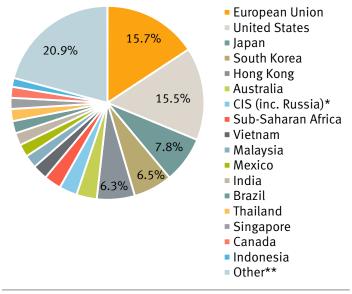
Heat map of cumulative tariff pain – green is modest impact; red is meaningful impact



Source - RBC Global Asset Management

# Trade with the U.S. important to China, but it's not everything

Mainland China's largest trading partners as a % of China's total trade (includes exports and imports by country/region)



\* Commonwealth of Independent States; \*\* The sum of many countries with relatively small levels of trade with China

Source - RBC Wealth Management, Bloomberg Intelligence, International Monetary Fund; 2017 data



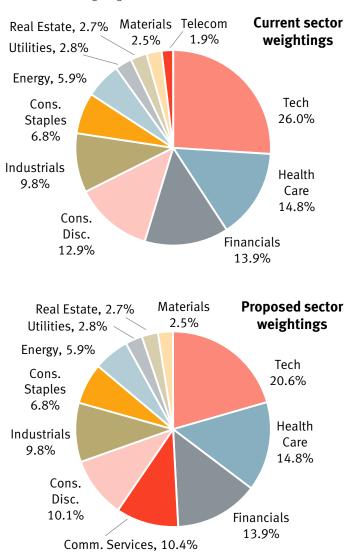
## Inited States

#### Ben Graham, CFA – Minneapolis

- The announcements of another round of tariffs from both the U.S. on \$200B in Chinese goods and from China on \$60B in U.S. goods were not the shock to U.S. equity markets that many feared. We view this new round as having largely been priced into U.S. markets in advance, and the Trump administration's 10% tariff was much lower than the 25% rate it initially signaled. The S&P 500 held steady throughout the week, even eking out a small gain through Thursday, while the megacap internationally focused Dow Jones Industrial Average gained nearly 1%.
- Not all U.S. indexes were so fortunate. The Russell 2000 has declined nearly 1% in recent days while the NASDAQ has traded flat to slightly lower. NASDAQ weakness was largely caused by underperformance in the Information Technology sector, with pressure mainly coming from the Hardware, Internet, and Semiconductor groups, which have declined almost 2% so far in September. Furthermore, the week's trading underscores the potential style shifts taking place within the U.S. market. Starting in September, value stocks have begun to show signs of strength versus growth stocks, and the previously strong small-cap Russell 2000 has lagged large-cap indexes. While it's too soon to declare that these trends are now locked in place, in our view, they are worth monitoring. We believe value will ultimately capture the leadership role at some point in coming months.
- The gold standard in U.S. equity market sector designations, the Global Industry Classification Standard (GICS), will implement its much anticipated sector classification changes on September 28. Affected sectors are Consumer Discretionary, Information Technology, and Telecommunications. The entirety of the Telecom sector and select pieces of Tech and Discretionary will be folded into a newly created sector, labeled Communication Services. Media, digital streaming, internet services, and home entertainment software are the verticals from Discretionary and Tech that will shift into this new sector. The Communication Services sector's largest constituents, in alphabetical order, will be Activision Blizzard, Google parent Alphabet, AT&T, Comcast, Disney, Electronic Arts, Facebook, Netflix, TripAdvisor, and Verizon. This new sector will constitute about 10% of the S&P 500 and will replace the Telecom sector to maintain 11 total sectors. This is the first time GICS has adjusted sectors since 2016 when the Real Estate sector was separated from Financials (see chart for a comparison of old and new sectors).

# New Communication Services sector triggers changes to Tech, Discretionary and Telecom

S&P 500 sector weightings



Note: Proposed weighting changes affect the Tech, Telecom, and Consumer Discretionary sectors (red and pink shading). Source - RBC Wealth Management, Bloomberg, Global Industry Classification Standards (GICS)

• Ahead of the next Fed meeting on September 26, **Treasury yields are rising and the yield curve is steepening**. After the 2-year to 10-year Treasury yield spread hit a post-Great Recession low of 18 basis points (bps) in August, it has since expanded to 26 bps with the increase driven by the rise in the 10-year beyond the 3% threshold in recent sessions. Reverberations in U.S. equity markets could be felt in the stocks commonly known as bond proxies. This rise and the steepening in the yield curve transpired in tandem with a nearly 2% correction in REITs and losses approaching 1% in Utilities. In our view, Consumer Staples and Utilities appear to be attractively positioned bond proxies at this time.



# Canada

#### Carolyn Schroeder - Toronto

- The Canadian dairy industry—a tiny fraction of Canada's economy, generating perhaps one-third of one percent of GDP—is seemingly a central sticking point for a new NAFTA deal between the U.S. and Canada. According to the World Trade Organization (WTO), approximately 99.4% of U.S. imports of Canadian agricultural products are tariff-free relative to 97.5% of Canadian imports of U.S. agricultural products. In other words, there are limited trade barriers surrounding agricultural goods. The WTO notes that the difference, in large part, is supply management. Thus, the Canadian dairy industry is a logical target for tariff reduction, according to RBC Global Asset Management.
- Is it important to note, this is not the first time that the dairy industry has preoccupied trade negotiators: Canada also defended the sector at the expense of other concessions when the country penned recent European and Pacific trade deals. Negotiations continue ahead of the October 1 deadline with Canada seemingly poised to make some concessions. In RBC Global Asset Management's view, conceding Class 7 milk and granting incremental access to the Canadian market is consistent with the approach of the Comprehensive Economic and Trade Agreement and the Trans-Pacific Partnership. U.S. President Donald Trump has previously indicated to Congress that he intends to move forward with a new trade agreement with or without Canada. At this stage, it remains difficult to assess whether Congress will entertain the potential of a bilateral deal with Canada.
- RBC Capital Markets' Global Metals & Mining Q4 2018 outlook is adopting a more cautious stance as China's economic growth becomes more uncertain. RBC Capital Markets has lowered its 2018 price forecasts for copper, silver, and gold given China's escalating trade dispute with the U.S. Furthermore, metals have struggled to gain traction due to the strong U.S. dollar and the consensus expectation for the Federal Reserve to continue hiking rates. The global economy remains relatively healthy and RBC Capital Markets believes these macro concerns likely have been discounted into metals prices; however, it thinks a cautious approach is warranted.

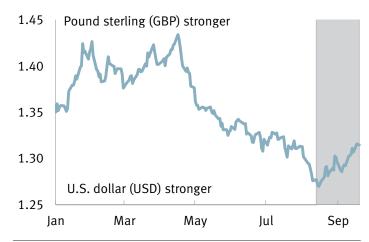
# Europe

Frédérique Carrier & Thomas McGarrity, CFA - London

• Michael Gove, a Brexiteer in the U.K. Cabinet, recently suggested a future U.K. government would be able to alter any agreement outlining the future relationship

#### British pound rallies on easing Brexit headlines

U.S. dollar (USD) exchange rate to pound sterling (GBP)



Note: Shaded area represents when headlines began to ease Source - RBC Wealth Management, Bloomberg; data through 9/19/18

**between the U.K. and the EU**, its main trade partner. This put EU negotiators on alert, and they continued to put pressure on the U.K. to define its position at an informal EU summit in Salzburg, reiterating October would be the "moment of truth."

- EU negotiators perceive a major obstacle to a desirable smooth Brexit remains the wide divide within British political factions and understand the challenge Prime Minister Theresa May faces at the upcoming Conservative Party Conference at the end of the month. **EU officials seem willing to soften their stance somewhat on the issue of avoiding a hard border between Northern Ireland and Ireland**—the sticking point to finalizing the Withdrawal Agreement. For example, they seem to be considering that certain checks on goods en route for Ireland could be carried out by the U.K., rather than EU officials.
- A disorderly Brexit would not only have negative consequences for the U.K. economy but also for the EU, and this at a time when the region will undergo several political tests. In 2019, the EU will face elections to the European Parliament, an event which is increasingly becoming a debate between pro-EU and euroskeptic groups. Moreover, leaders at several EU institutions will be replaced, including the EU Commission, the European Central Bank, and the European Council.
- While being conciliatory ahead of the Conservative Party Conference, EU negotiators will also probably **look for assurances that whatever is agreed upon does not risk becoming vulnerable to a change in the U.K. government**. The more positive headlines concerning Brexit contributed to lifting the pound almost 4% vs. the U.S. dollar since August. We would expect negotiations to become more heated later this autumn and for sterling weakness to resume.

# 00

# MARKET SCORECAR

# Data as of September 20, 2018

Equities (local currency)	Level	MTD	YTD	1 yr	2 yr
S&P 500	2,930.75	1.0%	9.6%	16.8%	37.0%
Dow Industrials (DJIA)	26,656.98	2.7%	7.8%	18.9%	47.0%
NASDAQ	8,028.23	-1.0%	16.3%	24.4%	53.2%
Russell 2000	1,720.18	-1.2%	12.0%	19.0%	40.0%
S&P/TSX Comp	16,214.75	-0.3%	0.0%	5.4%	11.7%
FTSE All-Share	4,072.14	-0.8%	-3.5%	2.0%	9.3%
STOXX Europe 600	382.63	0.1%	-1.7%	0.2%	12.2%
EURO STOXX 50	3,403.12	0.3%	-2.9%	-3.5%	14.8%
lang Seng	27,477.67	-1.5%	-8.2%	-2.3%	16.8%
Shanghai Comp	2,729.24	0.1%	-17.5%	-18.9%	-9.7%
Nikkei 225	23,674.93	3.5%	4.0%	16.6%	43.6%
ndia Sensex	37,121.22	-3.9%	9.0%	14.6%	30.1%
Singapore Straits Times	3,180.43	-1.0%	-6.5%	-1.2%	11.4%
Brazil Ibovespa	78,116.01	1.9%	2.2%	2.8%	35.3%
Mexican Bolsa IPC	49,510.78	-0.1%	0.3%	-1.7%	6.8%
Commodities (USD)	Price	MTD	YTD	1 yr	2 yr
Gold (spot \$/oz)	1,207.44	0.5%	-7.3%	-7.2%	-8.2%
Silver (spot \$/oz)	14.32	-1.5%	-15.5%	-17.4%	-25.6%
Copper (\$/metric ton)	6,096.50	2.2%	-15.4%	-5.9%	27.8%
Oil (WTI spot/bbl)	70.80	1.4%	17.2%	40.4%	63.0%
Oil (Brent spot/bbl)	78.58	1.5%	17.5%	39.6%	71.3%
Natural Gas (\$/mmBtu)	2.96	1.5%	0.2%	-4.4%	-2.9%

Source - Bloomberg. Note: 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. Data as of 8:35 pm GMT 9/20/18.

Examples of how to interpret currency data: CAD/USD 0.77 means 1 Canadian dollar will buy 0.77 U.S. dollar. CAD/USD -2.6% return means the Canadian dollar fell 2.6% vs. the U.S. dollar year to date. USD/JPY 112.47 means 1 U.S. dollar will buy 112.47 yen. USD/JPY -0.2% return means the U.S. dollar fell 0.2% vs. the yen year to date.

## Authors

#### Jay Roberts, CFA – Hong Kong, China

jay.roberts@rbc.com; RBC Investment Services (Asia) Limited

Ben Graham, CFA – Minneapolis, United States benjamin.graham@rbc.com; RBC Capital Markets, LLC

#### Carolyn Schroeder – Toronto, Canada

carolyn.schroeder@rbc.com; RBC Dominion Securities Inc.

#### Frédérique Carrier – London, United Kingdom

frederique.carrier@rbc.com; Royal Bank of Canada Investment Management (U.K.) Ltd.

#### Thomas McGarrity, CFA – London, United Kingdom

thomas.mcgarrity@rbc.com; Royal Bank of Canada Investment Management (U.K.) Ltd.

# 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:** Carolyn Schroeder, an employee of RBC Wealth Management USA's foreign affiliate RBC Dominion Securities Inc.; Frédérique Carrier and Thomas McGarrity, employees of RBC Wealth Management USA's foreign affiliate Royal Bank of Canada Investment Management (U.K.) Limited; and Jay Roberts, an employee of RBC Investment Services (Asia) Limited; contributed to the preparation of this publication. These individuals are not registered with or qualified as research analysts with the U.S. Financial Industry Regulatory Authority ("FINRA") and, since they are not associated persons of RBC Wealth Management, they may not be subject to FINRA Rule 2241 governing communications with subject companies, the making of public appearances, and the trading of securities in accounts held by research analysts.

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/</u> <u>GLDisclosure/PublicWeb/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, 60 South Sixth St, Minneapolis, MN 55402.

References to a Recommended List in the recommendation history chart may include one or more recommended lists or model portfolios maintained by RBC Wealth Management or one of its affiliates. RBC Wealth Management recommended lists include the Guided Portfolio: Prime Income (RL 6), the Guided Portfolio: Dividend Growth (RL 8), the Guided Portfolio: ADR (RL 10), and the Guided Portfolio: All Cap Growth (RL 12), and former lists called the Guided Portfolio: Large Cap (RL 7), the Guided Portfolio: Midcap 111 (RL 9), and the Guided Portfolio: Global Equity (U.S.) (RL 11). RBC Capital Markets recommended lists include the Strategy Focus List and the Fundamental Equity Weightings (FEW) portfolios. The abbreviation 'RL On' means the date a security was placed on a Recommended List. The abbreviation 'RL Off' means the date a security was removed from a Recommended List.

### **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, LLC ratings of Top Pick/Outperform, Sector Perform, and Underperform most closely correspond to Buy, Hold/Neutral and Sell, respectively, the meanings are not the same because our ratings are determined on a relative basis.

Distribution of Ratings - RBC Capital Markets, LLC Equity Research As of June 30, 2018									
				Investment Banking Services Provided During Past 12 Months					
Rating	Count	Percent	Count	Percent					
Buy [Top Pick & Outperform]	854	53.61	262	30.68					
Hold [Sector Perform]	665	41.75	142	21.35					
Sell [Underperform]	74	4.65	6	8.11					

### Explanation of RBC Capital Markets, LLC 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:

**Top Pick (TP):** Represents analyst's best idea in the sector; expected to provide significant absolute total return over 12 months with a favorable risk-reward ratio. **Outperform (O):** Expected to materially outperform sector average over 12 months. **Sector Perform (SP):** Returns expected to be in line with sector average over 12 months. **Underperform (U):** Returns expected to be materially below sector average over 12 months. **Restricted (R):** RBC policy precludes certain types of communications, including an investment recommendation, when RBC is acting as an advisor in certain merger or other strategic transactions and in certain other circumstances. **Not Rated (NR):** The rating, price targets and estimates have been removed due to applicable legal, regulatory or policy constraints which may include when RBC Capital Markets is acting in an advisory capacity involving the company.

### **Risk Rating:**

The **Speculative** risk rating reflects a security's lower level of financial or operating predictability, illiquid share trading volumes, high balance sheet leverage, or limited operating history that result in a higher expectation of financial and/or stock price volatility.

### Valuation and Risks to Rating and Price Target

When RBC Wealth Management 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 received compensation that is based upon various factors, including total revenues of RBC Capital Markets, LLC, and its affiliates, a portion of which are or have been generated by investment banking activities of the member companies of RBC Capital Markets, LLC 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 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 Web site at https://www.rbccm.com/GLDisclosure/PublicWeb/ DisclosureLookup.aspx?EntityID=2. Conflicts of interests related to our investment advisory business can be found in Part II of the Firm's Form ADV or the Investment Advisor Group 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 II of the ADV, or 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; and by Royal Bank of Canada Investment Management (U.K.) Limited, an investment management company 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.

References herein to "LIBOR", "LIBO Rate", "L" or other LIBOR abbreviations means the London interbank offered rate as administered by ICE Benchmark Administration (or any other person that takes over the administration of such rate).

# 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 or consequential loss arising from 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 consent of Royal Bank of Canada. 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 Royal Bank of Canada Investment Management (U.K.) Limited and RBC Investment Solutions (CI) Limited. Royal Bank of Canada Investment Management (U.K.) Limited is authorised and regulated by the Financial Conduct Authority (Reference number: 146504). Registered office: Riverbank House, 2 Swan Lane , London, EC4R 3BF, UK. RBC Investment Solutions (CI) 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, registered company number 119162.

**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. Financial Services provided to Australia: Financial services may be provided in Australia in accordance with applicable law. Financial services provided by the Royal Bank of Canada, Hong Kong Branch are provided pursuant to the Royal Bank of Canada's Australian Financial Services Licence ('AFSL') (No. 246521).

**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.

© RBC Capital Markets, LLC 2018 - Member NYSE/FINRA/SIPC

© RBC Dominion Securities Inc. 2018 - Member Canadian Investor Protection Fund © RBC Europe Limited 2018 © Royal Bank of Canada 2018

All rights reserved RBC1253