GLOBAL Insight

Monthly focus

May 2022



A different kind of inflationary environment

RBC Global Asset Management chief economist Eric Lascelles discusses the factors behind surging inflation, and the economy's prospects from here.

Interview with Eric Lascelles

For important and required non-U.S. analyst disclosures, see page 7. All values in U.S. dollars and priced as of market close, April 30, 2022 unless otherwise stated Produced: May 4, 2022 1:55 pm ET; Disseminated: May 4, 2022 4:20 pm ET

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.

MONTHLY Focus



Eric Lascelles Toronto, Canada RBC Global Asset Management Inc.



Jim Allworth Vancouver, Canada jim.allworth@rbc.com

Eric Lascelles is the chief economist for RBC Global Asset Management Inc., where he maintains the firm's global economic forecast and advises its portfolio managers on key themes and risks. Lascelles is also a member of the RBC Investment Strategy Committee, which is responsible for the firm's global asset mix recommendations.

A different kind of inflationary environment

Eric Lascelles, chief economist for RBC Global Asset Management Inc., recently sat down with Global Portfolio Advisory Committee co-chair Jim Allworth to discuss the economic and geopolitical factors driving today's surging inflation—as well as what investors should look for over the remainder of this year, and beyond.

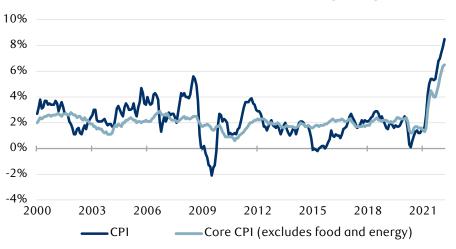
Jim Allworth – Eric, let's start with an update on the trajectory you see for inflation over the remainder of this year and beyond.

Eric Lascelles – The surge in inflation over the past several months was not a complete surprise to us. Last year, we had forecast a big run-up in the first half of 2022. That said, the levels reached have been above the 5%–7% peak we had initially expected. This is because the war in Ukraine now compounds the inflationary pressures that were already coming from pandemic-related distortions.

Both of these factors are hard to analyse through the lens of conventional economics. Normally you'd ask: "How overheated is the economy?" The answer would be that it has regained all the ground lost in the recession, and has used up most of its excess capacity. As such, it makes sense that inflation is higher than normal. But this degree of overheating should boost inflation by no more than 1%–1.5%, not four times that.

So, there are other explanations. One is the dramatic change in spending patterns on the part of consumers. With many services unavailable due to the pandemic and incomes supported by fiscal measures, consumer spending pivoted sharply toward spending on goods. For many categories

Consumer inflation reaches 40-year high



U.S. Consumer Price Indexes (CPI) in year-over-year percentage change

Source - RBC Wealth Management, Bloomberg; monthly data through 3/31/22

MONTHLY FOCUS

A different kind of inflationary environment

of goods, this quickly exhausted supplies on hand, producing shortages think of what the shortage of computer chips did to auto production. The attempt to boost production to meet the very high level of demand exacerbated production bottlenecks and overwhelmed shipping infrastructure already stressed by draconian lockdowns in China. Higher prices have been the result.

Another factor has been the big run-up in commodity prices, which has added a significant extra leg to inflation. Commodity shortages induced by Russian sanctions have only served to intensify this pressure.

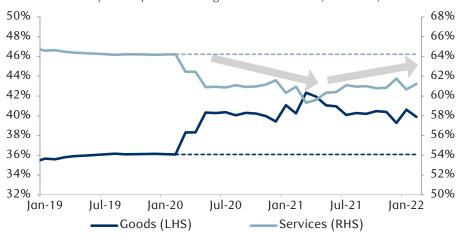
There is another factor that is less widely appreciated. As aggregate spending surged into the goods side of the economy, producing elevated price hikes, one might have expected the weak side of the economy—services—to deliver some offsetting deflation. But that didn't happen. Service businesses don't usually have unsold inventory on the shelf that needs to be discounted to be cleared. Their principal cost is wages, which tend to be resistant to downward pressures.

Jim – That gives us an idea of how we got here. One question would be, how long does inflation remain elevated?

Eric – A growing number of observers are saying that inflation has peaked. In our view, if it hasn't, we expect it will within a month or two. There are several reasons to expect the rate of inflation to ebb somewhat from here. There are tentative signs that spending is indeed shifting toward services and away from goods. The latest retail sales data, when the effect of higher gasoline prices is taken out, reveal a decline in real spending on other goods. At the same time, hotel traffic is up sharply, as are some other services markers.

Supply chain issues, while likely to be around for some time yet, have begun to ease. There are fewer ships waiting at major American ports, and shipping costs have come down somewhat. Manufacturers are reporting slightly less angst about these issues.

U.S. consumer spending on goods and services has begun to reverse



Personal consumption expenditure on goods and services (% of total)

Note: Dashed lines indicate February 2020 levels.

Source - RBC Global Asset Management, Macrobond; monthly data through February 2022

MONTHLY FOCUS

A different kind of inflationary environment

Commodity factors have added an additional leg upward to price pressures, exacerbated by the war in Ukraine, and it's hard to see those dislocations ending any time soon. But it is also unlikely that commodity prices will rise anywhere near as rapidly in the coming year as they have in the past 12 months. And that slowdown is all you need to expect a slower rate of year-over-year inflation from this source.

So, we expect inflation rates will recede somewhat over the second half of the year, but we will in all likelihood still finish the year well above a desirable level. Most of the improvement should come from the goods side of the economy as demand pivots elsewhere.

Some manufacturing indicators look to be corroborating this shift. The New Orders component of the ISM Manufacturing PMI data was very strong from the summer of 2020 through all of 2021. But recently it has weakened, dropping sharply below the elevated range that had contained it for more than 18 months. On the other side of the coin, the Inventories-on-hand sub-index has abruptly moved higher. So it's not unreasonable to expect some price weakness on the goods side over the remainder of the year, and perhaps longer.

But there are at least two reasons why the overall inflation rate is unlikely to come down to the same degree, in our view. One is that the prices of some services are going to go up. As demand for travel and dining out surges higher, so will the prices of airline tickets, hotel rooms, and restaurant meals. That's especially likely as those industries have been the most acutely affected by the much-discussed labour shortages. Several airlines have recently announced cutbacks to their summer flight schedules due to shortages of staff—notably, pilots. Fewer seats available likely means higher prices.

The other factor is rising wages as workers try to gain back ground lost to the big inflation increase already in place. The tight labour market makes such wage gains almost certain, and companies will try to pass those higher costs on to the consumer.



Wages are on the rise

Broad measures of U.S. wage inflation (year-over-year % change)

Source - RBC Wealth Management, Bloomberg; Atlanta Fed data range 3/31/00–3/31/22, ECI data range 3/31/01–12/31/21

MONTHLY FOCUS

A different kind of inflationary environment

So, while the inflation rate should ease back from today's peak levels, it is likely to remain uncomfortably high at year's end. But we do expect further improvement through 2023 as the supply chain issues are resolved, the demand for services normalises, and the extreme labour market tightness eases somewhat.

If you were to look back at our inflation forecast of early last year, and compare it with what has already transpired and where we forecast things are headed, I think it would be fair to say that the shape of the inflation trajectory and its inflection points have not changed. But the peak rate turned out to be higher than we expected, and the road back to an acceptable long-term inflation rate will probably be more gradual and take longer to play out, largely because of things that have happened recently notably the Ukraine war and the renewed lockdowns in China.

Jim – Does this mean the Fed will have to tighten further, and for longer?

Eric – We think the answer is yes. Just a few months ago, the Fed was still indicating a willingness to act in a deliberate and measured way. That comparatively calm environment has been quickly left behind and replaced by one where "urgency" is the watchword. Markets are now pricing in several aggressive back-to-back rate increases followed by more moderate hikes into 2023.

For our part, we expect both the Fed's and the market's urgency will diminish somewhat in the second half. By year's end, in addition to an ebbing inflation rate, policymakers will likely be looking at much slower GDP growth, an entrenched slowdown in the goods-producing side of the economy, and rapidly diminishing tailwinds on the services side. The pace of any tightening beyond that point is likely to be commensurately slow.

Beyond 2023, we look for inflation to continue to move closer to the Fed's 2% target—though after a decade of running stubbornly below that level, it may well linger modestly above target for an extended stretch.

Research resources

This document is produced by the Global Portfolio Advisory Committee within RBC Wealth Management's Portfolio Advisory Group. The RBC Wealth Management 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 Global Portfolio Advisory Committee leverages the broad market outlook as developed by the RBC Investment

Strategy Committee (RISC), providing additional tactical and thematic support utilizing research from the RISC, RBC Capital Markets, and third-party resources.

The RISC consists of senior investment professionals drawn from individual, client-focused business units within RBC, including the Portfolio Advisory Group. The RISC builds a broad global investment outlook and develops specific guidelines that can be used to manage portfolios. The RISC is chaired by Daniel Chornous, CFA, Chief Investment Officer of RBC Global Asset Management Inc.

Global Portfolio Advisory Committee members

Jim Allworth – Co-chair Investment Strategist, RBC Dominion Securities Inc.

Kelly Bogdanova – Co-chair Portfolio Analyst, RBC Wealth Management Portfolio Advisory Group U.S., RBC Capital Markets, LLC

Frédérique Carrier – Co-chair Managing Director & Head of Investment Strategies, RBC Europe Limited

Mark Bayko, CFA – Head, Portfolio Management, RBC Dominion Securities Inc.

Rufaro Chiriseri, CFA – Head of Fixed Income – British Isles, RBC Europe Limited

Janet Engels – Head, Portfolio Advisory Group U.S., RBC Wealth Management, RBC Capital Markets, LLC

Thomas Garretson, CFA – Fixed Income Senior Portfolio Strategist, RBC Wealth Management Portfolio Advisory Group, RBC Capital Markets, LLC **Ryan Harder, CFA –** Fixed Income Portfolio Advisor, Portfolio Advisory Group, RBC Dominion Securities Inc.

Patrick McAllister, CFA – Manager, Equity Advisory & Portfolio Management, Portfolio Advisory Group, RBC Dominion Securities Inc.

Alan Robinson – Portfolio Analyst, RBC Wealth Management Portfolio Advisory Group – U.S. Equities, RBC Capital Markets, LLC

Michael Schuette, CFA – Multi-Asset Portfolio Strategist, RBC Wealth Management Portfolio Advisory Group – U.S., RBC Capital Markets, LLC

David Storm, CFA, CAIA – Chief Investment Officer, BI & Asia, RBC Europe Limited

Tat Wai Toh – Head of Portfolio Management, BI & Asia, Royal Bank of Canada, Singapore Branch

Joseph Wu, CFA – Portfolio Manager, Multi-Asset Strategy, RBC Dominion Securities Inc.

Additional Global Insight contributors

Eric Lascelles – Chief Economist, RBC Global Asset Management Inc.

Required disclosures

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.

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). 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.

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.

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 our 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, LLC, and its affiliates, a portion of which are or have been generated by investment banking activities 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 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 shortterm 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/PublicWeb/</u><u>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; RBC Dominion Securities Inc., a securities broker-dealer with principal offices located in Toronto, Canada; RBC Investment Services (Asia) Limited, a subsidiary of RBC Dominion Securities Inc., a securities broker-dealer with principal offices located in Hong Kong, China; Royal Bank of Canada, Singapore Branch, a licensed wholesale bank with its principal office located in Singapore; and RBC Europe Limited, a licensed bank with principal offices located in London, United Kingdom.

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. 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. 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 RBC Investment Solutions (CI) 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. 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.

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 RBC1524

