

TABLE OF CONTENTS

- 04 | EXECUTIVE SUMMARY
- 05 | COMPREHENSIVE INVESTOR POOL ADDRESSING MULTIPLE INSTRUMENTS, CURRENCIES, AND GEOGRAPHIES
- 06 | BALANCED GEOGRAPHIC DISTRIBUTION AND SUSTAINABLE INVESTOR PARTICIPATION
- 07 | ESG INTEGRATION IN INVESTMENT DECISIONS: TRENDS AND PRACTICES
- 09 | INVESTOR PREFERENCES FOR SUSTAINABLE FINANCE INSTRUMENTS
- 11 | INVESTOR PERSPECTIVES ON SUSTAINABILITY-LINKED BONDS
- 13 | INVESTOR PERSPECTIVES ON GSS BONDS
- 14 | SUSTAINABLE FINANCE THEMES TO LOOK FOR IN 2024
- 16 | DISCLAIMERS

"One thing I learned from the result of RBC Global ESG survey..."



"This year's ESG Fixed Income Investor Survey sheds a new light on evolving regional trends and preferences among fixed income investors."

Lindsay PatrickGlobal Head, Strategy, Marketing, and Sustainability



"Investors are increasingly considering the holistic sustainability profile of an issuer, underscoring the importance of aligning debt issuance with a credible and authentic sustainability strategy."

Sarah Thompson Global Head, Sustainable Finance



"ESG factors are broadly included in investor mandates, highlighting the importance of integrating sustainability considerations in corporate strategy and disclosure."

Sian HurrellGlobal Head, Sales and Relationship Management and Head, Global Markets Europe



"The emphasis on sustainability integration by investors has continued despite macroeconomic headwinds, heightened geopolitical risks, and the politicization of ESG."

Robert McCormack Global Head, Debt Capital Markets



"Overall demand for sustainable investment opportunities remains strong despite some regional nuances."

Dan Botoff Global Head, DCM Syndicate



"Data availability and transparency remain key priorities for sustainable investors globally, with the aim to mitigate greenwashing risks and adhere to regional and internationally-accepted best practices."

Janet Wilkinson Managing Director, Head of Global Markets Flow Sales, EMEA



"Sustainable debt labels continue to capture pricing benefits in all regions, allowing RBC to broaden financing opportunities for clients through a wide network of investors."

Dan Spitzberg Head, US Investment Grade Sales

EXECUTIVE SUMMARY

- RBC's 2024 ESG Fixed Income Survey brings views on the most salient themes in the sustainable finance market from over 110 institutional investors representing more than \$26.3 Trillion¹ in AUM, globally.
- Survey results were collected in November 2023.
- Despite increased scrutiny from regulators and changing market sentiment, the vast majority of investors (90% globally) experienced stable or increased demand for sustainable funds over the course of 2023, underlining persistent demand for sustainability-focused investment opportunities.
- ESG considerations are playing an even more prominent role in investor mandates in 2023 than they were in 2022.
- The majority of investors consistently pointed towards ESG ratings, ESG controversies, and GHG emissions as drivers impacting investment decisions.
- Over 90% of sustainable investors that participated in the survey rely on ESG ratings to inform their investment decisions, consolidating the role of ESG ratings as an investment tool.
- The majority of investors that rely on ESG ratings use both proprietary models and external providers, with those focusing singularly on either solution exhibiting a slight preference for internal models as opposed to external ESG ratings.
- Green Bonds remain the preferred label across regions with 63% of investors actively investing, followed by Sustainability, Sustainability-Linked (SLBs), and Social Bonds with approximately 50% of investors actively investing.
- Transition Bonds, on the contrary, currently attract only a minority of investors; however, a large proportion of investors are considering or researching the subject.

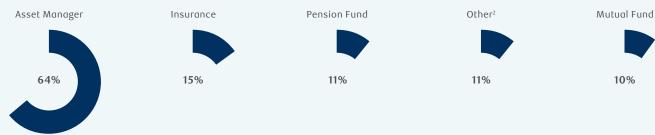
- RBC observes different regional preferences, with sustainable labeled bonds finding more appeal in Europe and Canada when compared to the US, the latter showing a strong willingness to consider investment opportunities across labels.
- Investors remain willing to ascribe additional value to sustainable labels compared to non-labeled products, although RBC notices a contraction of 1bp across all labels and regions in the expected greenium when compared to 2022 survey results.
- When looking at SLBs, investors identify an increased number of challenges to investing in the label. Themes such as unambitious targets, insufficient penalties, and immaterial KPIs add to the lack of KPI standardization, which was the top concern for the label in 2022
- Investors' views on Scope 3 targets for SLBs from issuers in high-emitting sectors have seen some change since 2022. The inclusion of Scope 1 and 2 targets in SLBs only suffice for 28% of investors as the majority now require Scope 3 targets to be included in the framework or featured within an issuer sustainability strategy.
- Looking forward to 2024, ESG data collection and integration remain top of mind for investors, with greenwashing risk mitigation and regulatory disclosures following suit.
- Investors are increasingly relying on a broader range of ESG data providers, with 65% of investors using data from Bloomberg, 60% from MSCI, and 45% from Sustainalytics. Responses also showed that 86% of investors use two or more ESG data sources, highlighting the importance for issuers to manage their ESG profile across a broad range of providers.

110+ respondents from across the US, UK/Europe, Canada, and APAC, (the "Investors") representing a combined **AUM of \$26.3 Trillion**¹

1. AUM as per company reports (USD)

COMPREHENSIVE INVESTOR POOL ADDRESSING MULTIPLE INSTRUMENTS, CURRENCIES, AND GEOGRAPHIES

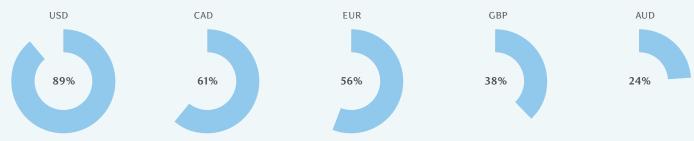
Percentage of global survey respondents by type:1



Percentage of global survey respondents investing in:1



Currency exposure of global survey respondents:1



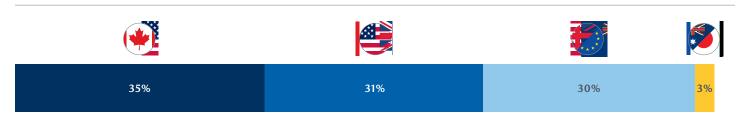
Client base of global survey respondents by geography:1



- 1. Multiple responses possible
- 2. Others include: Hedge funds, Bank treasury, Corporate treasury, Sovereign wealth funds, etc.

BALANCED GEOGRAPHIC DISTRIBUTION AND SUSTAINABLE INVESTOR PARTICIPATION

110+ respondents across RBC's core geographies:



Percentage of ESG focused investors across regions:

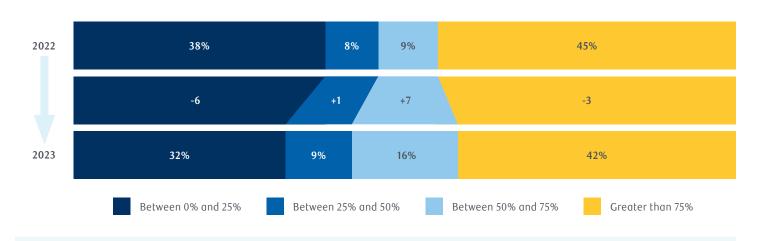


Source: RBC Capital Markets survey

Note: "ESG focused" is determined if a respondent's fund either discloses under SFDR Article 8/9 or classifies itself as sustainable

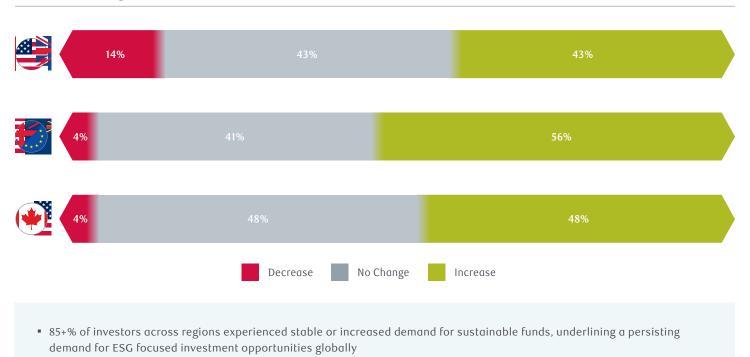
ESG INTEGRATION IN INVESTMENT DECISIONS: TRENDS AND PRACTICES

Percentage of investor mandates incorporating ESG considerations:

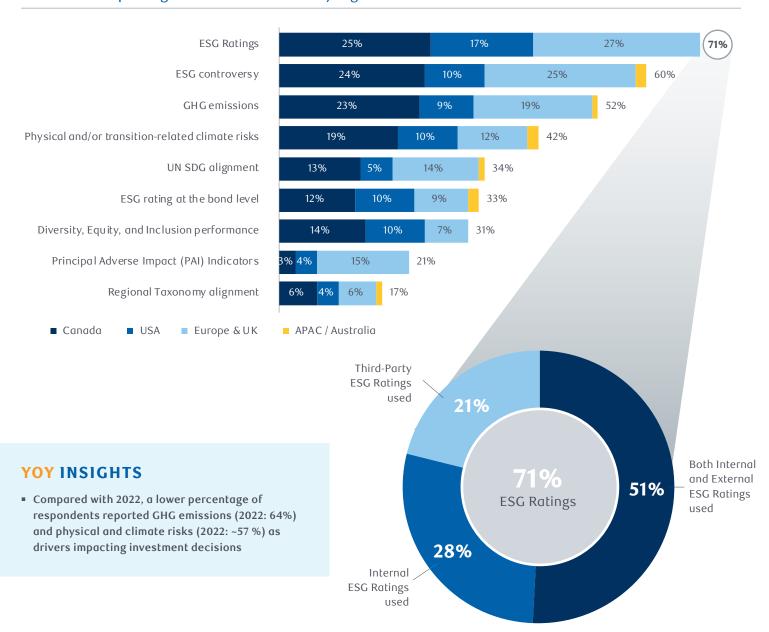


• ESG incorporation in investor mandates is increasing, with close to 60% of investors experiencing integration of ESG considerations across 50% or more of their mandates

Perceived change in demand for sustainable funds relative to non sustainable funds:



ESG drivers impacting investment decisions by region:

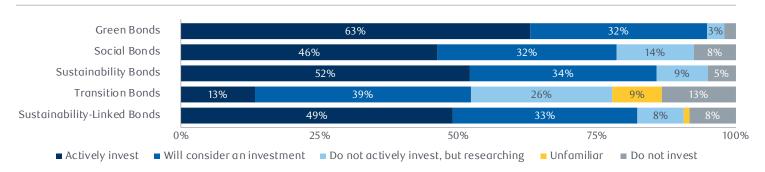


- Third party and proprietary ESG ratings remain a key driver of investment decisions across regions
- ESG controversies influence almost two thirds of investors with controversies based exclusions appearing to be the common denominator across the spectrum of sustainable investment strategies

Source: RBC Capital Markets survey Note: Data labels <2% removed for readability

INVESTOR PREFERENCES FOR SUSTAINABLE FINANCE INSTRUMENTS

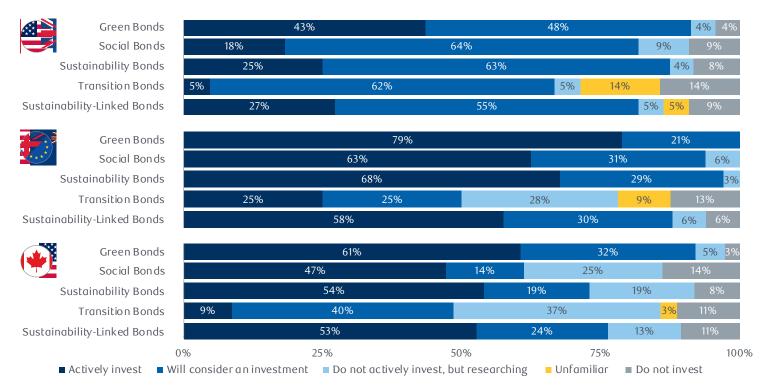
Preferred sustainable debt labels according to investors:



YOY INSIGHTS

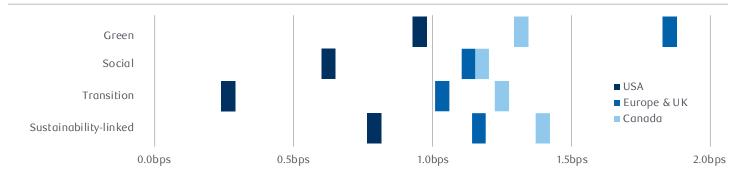
- Investor appetite remains unchanged across labels compared to 2022
- Green Bonds are the preferred label across the sustainable debt market, appealing to the majority of investors
- Other labels retain good appeal for investors, apart from Transition, which currently attracts only a minority of investors with a large proportion considering or researching Transition Bonds

Preferred sustainable debt labels according to investors by region:



Source: RBC Capital Markets survey Note: Data labels <2% removed for readability

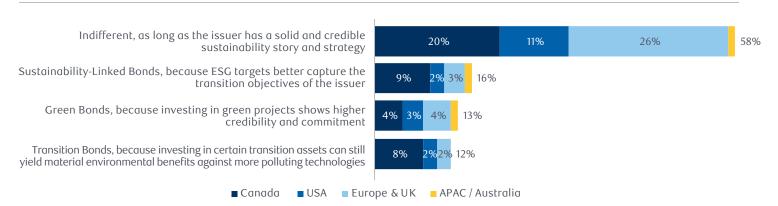
Where is the "greenium"?



YOY INSIGHTS

- Comparative pricing advantage of ESG labels remain relatively unchanged YoY; however, overall premiums have shrunk by 1bp compared to 2022
- Overall, investors are willing to ascribe additional value to sustainable labels compared to non labeled products
- The Green label seems to be the preferred option across regions
- A Transition label seems to call for the least amount of premium in Europe & UK and the US, whilst Canadian investors are willing to ascribe as much value as a Green alternative

Which sustainable debt instruments best support the transition strategy of an issuer?



YOY INSIGHTS

- Transition labels slightly gained traction as a tool for supporting the transition strategy of issuers compared to 2022
- A strong and credible sustainability strategy is top of mind for investors when assessing the credibility of an issuer's transition journey, with only partial contribution from the use of sustainable debt labels

Source: RBC Capital Markets survey

Note: In 2022, global investors reported a "greenium" range for green products of [1.6, 2.9], social products of [1.5, 2.2], and sustainability linked products of [1.6, 2.4] Data labels <1% removed for readability

INVESTOR PERSPECTIVES ON SUSTAINABILITY-LINKED BONDS

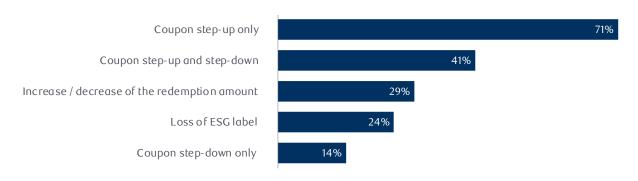
Perceived challenges to investing in SLBs:



YOY INSIGHTS

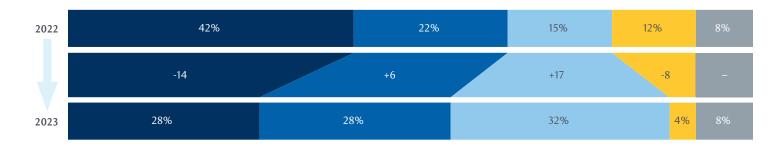
- Lack of standardization and comparability of targets remains a key challenge for investors
- Investor challenges to investing in SLBs are mainly driven by insufficient penalties and unambitious targets
- Immaterial targets also score high in the list of issues investors see in the SLB market

SLB incentive mechanisms preferred by investors:

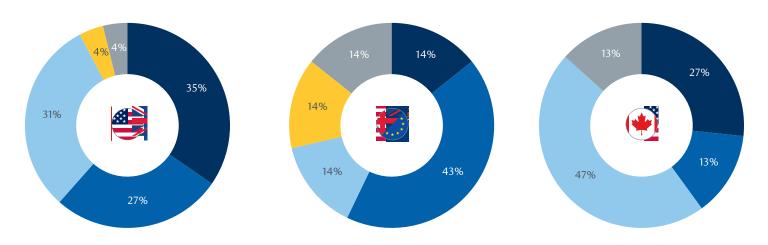


- Coupon step ups remain the preferred incentive mechanism for investors
- However, coupon step downs appear to be acceptable to investors when paired with a coupon step up
- Loss of ESG label is considered an acceptable incentive by only one quarter of respondents

Investor perspectives on Scope 3 emissions targets:



- Scope 1 and 2 targets are sufficient for me to invest
- Scope 1 and 2 targets are sufficient for me to invest but a Scope 3 target must be present in the issuer's ESG strategy
- Scope 1 and 2 targets are sufficient for me to invest but a Scope 3 target must be present in the issuer's Framework
- Use of proxy Scope 3 target in the absence of a Scope 3 target is sufficient for me to invest
- Absence of a Scope 3 target in the bond means I cannot invest

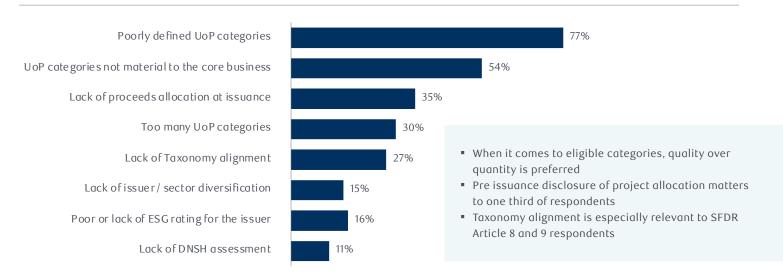


YOY INSIGHTS

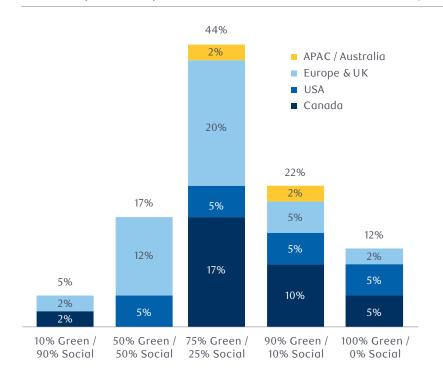
- The share of investors expecting to see a Scope 3 target in an issuer's framework or ESG strategy increased from 38% in 2022 to 60% in 2023
- On the contrary, fewer investors are willing to accept securities with only Scope 1 and 2 targets
- Scope 3 proxies have lost traction among investors since 2022
- Absence of Scope 3 targets in the bond affects investors' ability to participate in the trade in 8% of cases on average, with notable regional nuances
- Across regions, inclusion of some form of Scope 3 targets is a requirement for the majority of respondents
- When compared to Canadian and European counterparties, US investors show higher willingness to participate in trades featuring KPIs addressing direct emissions only

INVESTOR PERSPECTIVES ON GSS BONDS

Perceived challenges to investing in GSS bonds:



Investors' preferred split of Green vs. Social UoP for Sustainability Bonds:



 Sustainability Bonds with UoP supporting a majority of Green Projects are preferred by investors, with almost 80% of respondents expecting at least 75% of Green UoP in any given Sustainability Bond

Source: RBC Capital Markets survey

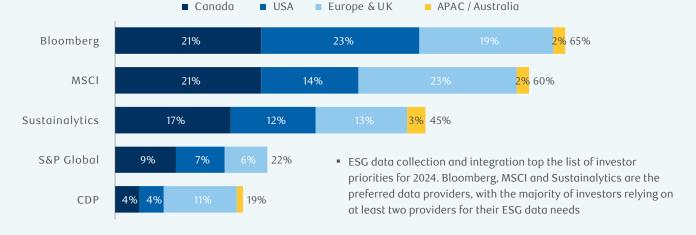
Note: DNSH stands for "Do Not Significant Harm". UoP stands for "Use of Proceeds"

SUSTAINABLE FINANCE THEMES TO LOOK FOR IN 2024

ESG key focus areas for 2024:



Preferred ESG data providers



Number of ESG data providers used



Source: RBC Capital Markets survey Note: Data labels <2% removed for readability

SUSTAINABLE FINANCE GROUP

Lindsay Patrick

Global Head, Strategy, Marketing, and Sustainability lindsay.patrick@rbccm.com

Sarah Thompson Global Head, Sustainable Finance sarah.e.thompson@rbccm.com

Moses Choi

Managing Director, US moses.choi@rbccm.com

Stefano Vitali Director, Europe stefano.vitali@rbccm.com Nicola Milne Director, Canada & APAC nicola.milne@rbccm.com

DEBT CAPITAL MARKETS

GLOBAL

Robert McCormack Global Head, DCM robert.mccormack@rbccm.com

Dan Botoff Global Head, DCM Syndicate dan.botoff@rbccm.com

EUROPE

Anthony Tobin

Head, European DCM Syndicate anthony.tobin@rbccm.com

Allison MacKinnon

Head, UK Corporate DCM allison.mackinnon@rbccm.com Peter Riera

Head, European FI Origination peter.riera@rbccm.com

CANADA

Patrick MacDonald

Co-Head, Canadian DCM patrick.macdonald@rbccm.com Rob Brown

Co-Head, Canadian DCM rob.brown@rbccm.com

Scott Reynolds Head, Canadian DCM Syndicate scott.reynolds@rbccm.com

APAC

Natalie Vanstone

Head, Australian Global Markets natalie.vanstone@rbccm.com

Andrew Brown

Head, Australian Corporate DCM andrew.j.brown@rbccm.com

This communication has been prepared by RBC Capital Markets sales personnel to provide information to our institutional clients. The information in this communication is not, and should not be considered, a research report prepared by RBC Capital Markets Research Department. Unless otherwise specified, the views expressed herein are the author's and may differ from the view of RBC Capital Markets. The information in the body of this communication is intended only to provide general market commentary, and/or a description of products or services offered by RBC Capital Markets. This communication is not intended to provide a sufficient basis for an investment decision. This communication may include references to recently published research notes and reports by RBC Capital Markets Research Department. For complete research notes and reports, including important conflicts disclosures, please contact your RBC Capital Markets representative; or if you are a client of RBC Capital Markets, you may access these materials at www.rbcinsight.com.

You should assume that trading desks at RBC Capital Markets or its affiliates make markets and/or hold positions in, and may have provided or in the future provide, underwriting or other investment banking services to issuers of any of the securities referenced herein. While the information contained in this communication has been compiled by RBC Capital Markets from sources believed to be reliable, all such information is presented "as is" as of the date hereof, and no representation or warranty, express or implied, is made by RBC Capital Markets or its affiliates or any other person as to its accuracy, completeness or correctness. 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 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. To the full extent permitted by law neither RBC Capital Markets, nor any of its affiliates, associated persons, or employees accepts any liability whatsoever for any direct, indirect, or consequential loss arising from any use of the information contained herein. No information contained in this communication may be reproduced or copied by any means without the prior consent of RBC Capital Markets. If you have any questions regarding this communication, please contact your RBC Capital Markets Representative.

RBC Capital Markets is the global brand name for the capital markets business of Royal Bank of Canada and its affiliates. Note that due to the various jurisdictions in which RBC Capital Markets operates, disclaimers may vary by region.

United States: This communication has been approved by RBC Capital Markets, LLC (member FINRA, NYSE, SIPC)("RBCCM"), which is a U.S. registered broker-dealer and which accepts responsibility for this communication and its dissemination in the United States. Any U.S. recipient of this communication 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 communication, should contact and place orders with RBC Capital Markets, LLC.

While RBCCM maintains relationships and connectivity to a variety of external venues as part of its algorithmic and smart order routing processes, RBCCM does not represent that it has access to all such venues that potentially may be available at any given point in time. Should this communication reference performance times, such information is indicative in nature only, and is provided only to generally illustrate the performance speed and latency associated with certain systems, order paths and linkages. Note that actual performance times may differ, and in some cases, may be materially slower than indicated in this communication.

Canada: This communication has been approved by RBC Dominion Securities Inc. (member IIROC and CIPF).

United Kingdom: This communication has been approved by RBC Europe Limited, which is authorized by the Prudential Regulation Authority ("PRA"), and regulated by the PRA and the Financial Conduct Authority.

Hong Kong: This communication has been approved by RBC Capital Markets (Hong Kong) Limited and Royal Bank of Canada, Hong Kong Branch (both entities regulated by the Hong Kong Monetary Authority and the Securities and Futures Commission ("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 License ("AFSL") (No. 246521). RBC Capital Markets (Hong Kong) Limited is exempt from the requirement to hold an AFSL under the Corporations Act 2001, with respect to the provision of such financial services. RBC Capital Markets (Hong Kong) Limited is regulated by the Hong Kong Monetary Authority and the SFC under the laws of Hong Kong, which differ from Australian laws.

Australia: This communication has been approved by Royal Bank of Canada, Sydney Branch (regulated by the Australian Securities Investments Commission and the Australian Prudential Regulation Authority; AFSL 246521; ABN 86 076 940 880). This document is distributed only to persons who satisfy the definition of wholesale client for the purpose of the Corporations Act 2001 and is not intended for distribution to retail clients.

Japan: This communication has been approved by RBC Capital Markets (Japan) Ltd. Tokyo Branch, as well as Royal Bank of Canada, Tokyo Branch. Unless otherwise exempted by Japanese law, this document is distributed in Japan by or through RBC Capital Markets (Japan) Ltd. Tokyo Branch, a registered type one financial instruments firm, and/or Royal Bank of Canada, Tokyo Branch, a licensed foreign bank, as the case may be.

Singapore: This communication has been approved by Royal Bank of Canada, Singapore Branch (regulated by the Monetary Authority of Singapore).

*Note that data contained herein may be sourced from direct market data feeds and third party vendors. While every effort has been made to ensure the consistency and reliability of such data, there may be circumstances where actual numbers may vary.

® Registered trademark of Royal Bank of Canada. RBC Capital Markets is a trademark of Royal Bank of Canada. Used under license.

Copyright ©RBC Capital Markets, LLC 2024- Member SIPC

Copyright ©RBC Dominion Securities Inc. 2022- Member CIPF

Copyright ©RBC Europe Limited 2024

Copyright © Royal Bank of Canada 2024