



After a prolonged period of deflation, China's economy is turning the corner towards inflation. In this investment note, the China Fixed Income team analyses why this reflationary transition is important for China bonds and offers implications for investors in government policy, rates, and the renminbi.

China Fixed Income: From deflation to reflation: what comes next?

China has experienced a prolonged period of deflationary pressure over the past three years. Recent data indicate that pricing dynamics are improving, with early signs of a reflationary impulse emerging. Producer price inflation has turned positive for the first time since late 2022, while core consumer inflation has stabilised at modestly positive levels.

These developments point to a meaningful shift in momentum and suggest that China may be moving away from a deflationary regime toward a more benign inflationary environment.

For markets, this transition represents an inflexion in the macro backdrop. We expect policy to remain broadly accommodative, and government bond yields to be range-bound, and the renminbi to exhibit a gradual appreciation bias.

In this context, China fixed income continues to offer attractive diversification characteristics supported by stable carry, a steep curve, low correlation to global rates, and relatively predictable policy dynamics.

Exiting deflation: evidence of an inflexion

China's recent deflationary phase has been shaped by both cyclical weakness and deeper structural imbalances. The downturn in the property sector—historically accounting for between 20 and 30 per cent of economic activity—has significantly weighed on domestic demand. At the same time, persistent

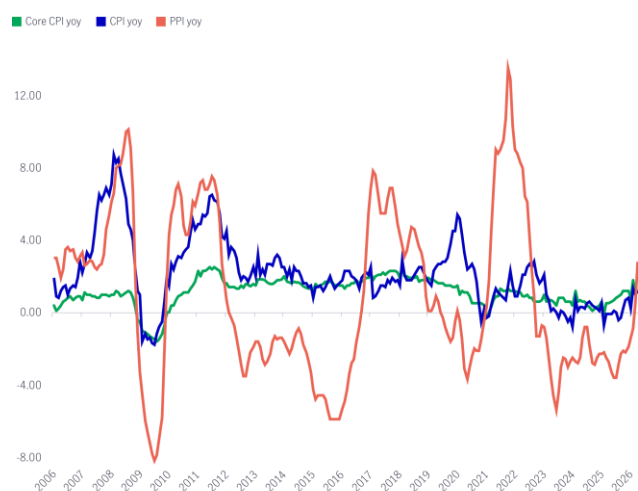
industrial overcapacity and intense price competition have exerted downward pressure on producer prices. These domestic dynamics have been compounded by a challenging external environment, including trade frictions and uneven global demand.

Recent data suggests that this period of persistent price weakness may be approaching an inflexion point. Producer price inflation, which has remained negative since October 2022, turned positive in March 2026 and strengthened further in April, with readings of +0.5 per cent year-on-year and +2.8 per cent year-on-year, respectively.

Consumer price inflation also accelerated to +1.2 per cent year-on-year, its fastest pace since early 2023, while core inflation, which excludes energy and food prices, has stabilised at around 1.2 per cent year-on-year, suggesting that the recent energy shock is not entirely driving inflation.

These developments point to visible improvement in pricing momentum and are consistent with the early stages of a transition from disinflation to a more stable inflation environment. Taken together, the latest inflation prints appear consistent with the Chinese economy successfully transitioning from disinflation towards benign reflation – where rising inflation is still within a comfortable range and is neutral for monetary policy.

Chart 1: Historical PPI, CPI, and Core CPI (% , Y/Y)¹



Drivers of the reflationary impulse

The emerging reflationary impulse appears to be driven by a combination of external factors and sector-specific demand, rather than a broad-based recovery in domestic consumption.

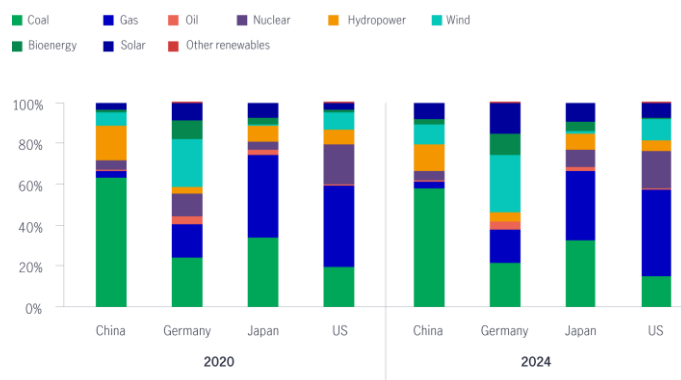
Part of the recent improvement reflects higher energy prices following developments in the Middle East, which have supported headline inflation. However, China's structural shift toward renewable energy, electrification, and increased energy self-sufficiency suggests that the economy is less exposed to sustained energy shocks than in previous cycles. This implies that energy has acted more as a catalyst for reflation than a persistent driver.

External demand has also played an important role. Following a period of global inventory drawdowns, the international cycle has shifted toward restocking, supporting export volumes. At the same time, demand from high-growth sectors—particularly technology hardware, electric vehicles, batteries, and renewable energy equipment—has remained robust. These sectors are tied to ongoing investment cycles and policy-driven transitions, rather than purely cyclical consumption, and therefore provide a more durable underpinning to export activity.

Taken together, these dynamics imply that the current reflationary impulse remains uneven. It is still

concentrated in upstream and tradable sectors, with limited transmission thus far into services, wages, or household demand. Whether this impulse broadens to the domestic economy will be the key determinant of macro policy direction.

Chart 2: China's lower reliance on oil and gas for power generation²



Macro-financial implications

A sustained shift away from deflation has important macro-financial implications. Stabilising prices support nominal gross domestic product (GDP) growth, which in turn strengthens corporate revenues, improves debt-servicing capacity, and reinforces fiscal dynamics. This helps reduce the risk of a debt-deflation feedback loop, in which falling prices increase the real burden of debt, forcing deleveraging and further weakening demand.

An improving inflation backdrop may also influence household behaviour. With deflation risks receding, precautionary savings could begin to decline at the margin, particularly if income expectations stabilise. Over time, this could support a gradual recovery in consumption, housing transactions, and broader risk sentiment. However, such effects are likely to be gradual and contingent on sustained improvements in labour market and income dynamics.

Policy outlook: accommodation without the urgency to tighten

The transition toward a more stable inflation environment does not imply an imminent shift in

¹ Source: Manulife Investment Management, Bloomberg, as of 30 April 2026.

² Barclays, as of November 2025.

monetary policy. Core inflation remains modest, and the recovery in domestic demand is still uneven. As a result, the People's Bank of China will likely maintain a broadly accommodative stance, with policy priorities focused on improving credit transmission and maintaining financial stability, particularly in relation to property and local government balance sheets, as well as managing expectations around its currency.

Rather than tightening policy in response to improving inflation prints, China's central bank is more likely to look through initial inflation rebound, and rely on liquidity operations and targeted measures to support the economy. This approach reflects the reality that reflation remains incomplete and the underlying demand environment has yet to fully normalise.

Implications for rates and the renminbi

For rates, the shift in inflation dynamics does not necessarily imply a sustained upward move in yields. In the absence of a strong recovery in private credit demand, structural demand for high-quality assets is likely to remain strong. As a result, government bond yields are expected to remain broadly range-bound, with a 1.70%-1.90% range for 10-year China Government Bonds (CGBs), rather than entering a sustained sell-off.

A more pronounced steepening of the yield curve would likely require clearer evidence of a domestic demand recovery, including sustained improvement in credit growth and recovery in the property sector.

From a currency perspective, the end of deflation reduces the need for defensive positioning and, together with China's strong external balances, supports a gradual appreciation bias in the renminbi. At the same time, policymakers are likely to continue managing the pace, suggesting that any appreciation path will be measured rather than abrupt.

Conclusion: gradual and conditional reflation

The shift from persistent deflation toward a more stable pricing environment represents a meaningful improvement in China's macroeconomic backdrop. However, the current reflationary impulse is driven

primarily by external and upstream factors, rather than a broad-based recovery in domestic demand. This suggests that the adjustment will be gradual and highly dependent on whether reflation can be transmitted to consumption, wages, and credit growth.

In this environment, China fixed income remains an attractive component of global portfolios. Stable yields, an accommodative policy framework, and improving inflation dynamics combine to offer a supportive backdrop for investors seeking diversification and steep yield curve rolldown. While risks remain—particularly around global demand and the durability of the current impulse—the transition away from deflation marks an important turning point for the macroeconomic outlook. It strengthens the case for global investors to reassess their strategic allocations to China fixed income.

Investment Considerations

General Risks

Any characteristics, guidelines, constraints, or other information provided for this material was selected by the firm as representative of the investment strategy and is provided for illustrative purpose only, may change at any time, and may differ for a specific account. Each client account is individually managed; actual holdings will vary for each client and there is no guarantee that a particular client's account will have the same characteristics as described herein. Any information about the holdings, asset allocation, or sector diversification is historical and is not an indication of future performance or any future portfolio composition, which will vary. Portfolio holdings are representative of the strategy, are subject to change at any time, are not a recommendation to buy or sell a security, and do not represent all of the securities purchased, sold or recommended for the portfolio. It should not be assumed that an investment in these securities was or will be profitable. Top ten holdings information combines share listings from the same issuer, and related depositary receipts, into a singular holding to accurately present aggregate economic interest in the referenced company.

No investment strategy or risk management technique can guarantee returns or eliminate risk in any market environment. Diversification or asset allocation does not guarantee a profit or protect against the risk of a loss in any market. The indices referenced herein are broad-based securities market indices and used for illustrative purposes only. The indices cited are widely accepted benchmarks for investment performance within their relevant regions, sectors or asset classes, and represent non-managed investment portfolios.

If derivatives are employed, note that investing in derivative instruments involves risks different from, or possibly greater than, the risks associated with investing directly in securities and other traditional investments and, in a down market, could become harder to value or sell at a fair price.

GIPS Performance

Unless otherwise noted, all performance represents composite data. Gross of fees returns do not include advisory fees and other expenses an investor may incur, which when deducted will reduce returns. Changes in exchange rates may have an adverse effect. Actual fees may vary depending on, among other things, the applicable fee schedule, portfolio size and/or investment management agreement. Unless otherwise noted, returns greater than 1 year are annualized; calendar year returns for each one-year period end in December. Discrepancies may occur due to rounding. Past performance does not guarantee future results.

Performance information shown is generally for discretionary strategies/solutions and managed by a Manulife entity which is GIPS compliant and falls under the definition of a corresponding Manulife GIPS firm. Some investment strategies/solutions may not be included in a GIPS compliant firm under certain circumstances, such as SMA/UMA business in Canada.

Asset class risks

Principal risk factors that have an impact on the performance of our equity strategies include risks arising from economic and market events, portfolio turnover rates, governmental regulations, local, national and international political events, volatility in the commodities and equity markets, and changes in interest rates and currency values as well as environmental, social and corporate governance factors.

The principal risks associated with investing in a fixed income investment strategy include economic and market events, government regulations, geopolitical events, credit risk, interest rate risk, and risks associated with credit ratings, counterparties, foreign securities, currency exchange, hedging, derivatives and other strategic transactions, high portfolio turnover, liquidity, mortgage-backed and asset-backed securities, call or prepayment risk, and issuer stability along with environmental, social and corporate governance risk factors. The market value of fixed income securities will fluctuate in response to changes in interest rates, currency values and the credit worthiness of the issuer.

Principal risk factors that impact upon the performance of our asset allocation strategies include all the risks associated with the underlying funds and asset classes in which they are invested, in addition to overall asset allocation investment decisions. In addition, the underlying funds' performance may be lower than expected.

Unless otherwise noted, any references in this presentation to ESG or sustainability reflect the general approach of Manulife Investment Management to integrating material sustainability risk considerations into our investment decision-making processes which may vary depending on the asset class and/or client mandate. Although this material indicates that sustainability factors are included in all aspects of

our investment management processes, for certain client mandates we may tailor sustainability considerations and/or include sustainability considerations only to the extent they align with the client's stated goals or objectives. Some of our investment solutions may also be inappropriate for sustainability considerations, such as some specific asset classes or indexing strategies for which the index does not consider sustainability. Investors should review all available product information and legal documentation for full details of a product's integration of sustainability risk considerations. All discussion in this material relates to circumstances where sustainability considerations are appropriate and applied in practice. Further details on Manulife Investment Management's general approach to sustainability are available at www.manulifeim.com/institutional/global/en/sustainability.

This material covers the activities of the investment management teams within Manulife Investment Management. The material does not cover the activities of non-affiliated asset managers who manage some client assets on our behalf, or the activities of CQS, which is a wholly owned multi-sector alternative credit manager acquired by Manulife Investment Management in 2024.

ESG Integration and Engagement

We consider the integration of financially material sustainability risks and opportunities in the investment decision-making process to be an important element in determining long-term performance outcomes and an effective risk mitigation technique. Our approach provides a flexible framework that supports implementation across different asset classes and investment teams; however, implementation may vary by strategy and may be impractical or impossible for certain investments (including, but not limited to, passive strategies, certain derivatives, client-specific constraints, or third-party managed mandates). Where we own and operate physical assets, we seek to weave material sustainability considerations into our operational strategies and execution. While we believe sustainable investing can support better long-term outcomes, there is no guarantee that the consideration of sustainability factors will ensure better returns. For some strategies, the use of exclusions, screening and/or thematic approaches may limit the range of investable assets and cause the strategy to forgo opportunities that may outperform over time. Please see our sustainability policies, statements and frameworks for details.

Manulife Investment Management conducts sustainability-related engagements with issuers but does not engage on all issues, or with all issuers, in our portfolios. We also participate in collaborative engagements where we may not set the terms of engagement. We maintain independence in determining engagement priorities, proxy voting and investment decision-making at all times, subject to applicable laws and regulations.

Any sustainability-related case studies are for illustrative purposes only, do not represent all investments made, sold, or recommended for client accounts, and should not be considered an indication of the ESG integration, performance, or characteristics of any current or future Manulife Investment Management product or investment strategy.

Any engagement-related case studies shown are illustrative of different types of engagements across our in-house investment teams, asset classes and geographies in which we operate. While we conduct outcome-based engagements intended to enhance long-term financial value, we recognize that our engagements may not necessarily result in outcomes that are significant or quantifiable. In addition, we acknowledge that any observed outcomes may be attributable to factors and influences independent of our engagement activities.

Manulife | CQS ESG Integration and Engagement

Please note, the approach taken in relation to sustainable investing and ESG may differ from the approach taken at Manulife and Manulife Investment Management.

Manulife CQS Membership and Signatories

Manulife | CQS Investment Management ("MCQS") promotes each of the ESG actions shown through membership of collaborative responsible investment programs or partnership with the organizations on these endeavours. MCQS is promoting advocacy of responsible investing and stewardship through the following: (i) Principles for Responsible Investment: <https://www.unpri.org/>, (ii) UK Stewardship Code: <https://www.frc.org.uk/library/standards-codes-policy/stewardship-uk-stewardship-code/> (iii) CDP: <https://www.cdp.net/en> (iv) Climate Action 100+: <https://www.climateaction100.org/> (v) The Institutional Investors Group on Climate Change: <https://www.iigcc.org/>. In addition, we continue to disclose climate-related information in line with the Taskforce on Climate-related Financial Disclosures (TCFD) recommendations.

Important Information

© 2026 Manulife Investment Management. All rights reserved. Manulife, Manulife Investment Management, Stylized M Design, and Manulife Investment Management &

Stylized M Design are trademarks of The Manufacturers Life Insurance Company and are used by it, and by its affiliates under license.

This information is for the exclusive use of the intended institutional investors or their agents and may not be transmitted, reproduced or used in whole or in part for any other purpose, nor may it be disclosed or made available, directly or indirectly, in whole or in part, to any other person without our prior written consent. It is intended only for recipients in jurisdictions where receiving this information is permitted by law.

The distribution of the information contained in this presentation may be restricted by law and persons who receive it are required to comply with any such restrictions. The contents of this presentation are not intended for distribution to, or use by, any person or entity in any jurisdiction or country in which such distribution or use would be contrary to any applicable laws or regulations. By accepting this material, you confirm that you are aware of the laws in your own jurisdiction relating to the provision and sale of the funds, portfolios or other investments discussed in this presentation and you warrant and represent that you will not pass on or use the information contained in this presentation in a manner that could constitute a breach of such laws by any Manulife entity or any other person.

About Manulife Wealth & Asset Management

As part of Manulife Financial Corporation, Manulife Wealth & Asset Management's mission is to make decisions easier and lives better by helping people invest confidently to pursue a more secure financial future. Our strength comes from the diversity of our global asset management expertise and distribution capabilities. Our global investment teams span equities, fixed income, alternative credit, private markets, and multi-asset solutions. We provide investment, financial advice, and retirement plan services to millions of individuals, institutions, and retirement plan members worldwide. At the heart of our approach are three cultural pillars: Partner for Progress, Trust through Transparency, and Intellectual Curiosity. These values shape how we build long-term relationships, develop differentiated investment strategies, and empower advisors and clients to seek meaningful financial outcomes. Whether through cutting-edge technology, AI innovation, personalized advice, or sustainable stewardship, Manulife Wealth & Asset Management is a trusted partner helping clients navigate complexity and invest with confidence. Not all offerings are available in all jurisdictions. For additional information, please visit manulifeim.com.

Manulife | CQS Investment Management, is a trading name of CQS (UK) LLP, authorised and regulated by the UK Financial Conduct Authority, and/or CQS (US), LLC, which is a registered investment adviser with the US Securities and Exchange Commission. The term "CQS" or "Manulife | CQS Investment Management" as used herein may include one or both of CQS (UK) LLP and CQS (US), LLC. Manulife | CQS Investment Management is a subsidiary of Manulife Investment Management (Europe) Limited.

Manulife | Comvest Credit Partners is the trading name of Comvest Credit Advisors, LLC, which is a registered investment adviser with the US Securities and Exchange Commission, together with its affiliated registered and relying advisers marketed under the Comvest umbrella. Manulife | Comvest Credit Partners is a subsidiary of John Hancock John Hancock Subsidiaries LLC.

This material has not been reviewed by, is not registered with any securities or other regulatory authority, and may, where appropriate, be distributed by the following Manulife entities in their respective jurisdictions. Additional information about Manulife Investment Management may be found at manulifeim.com/institutional

Australia: Manulife Investment Management Timberland and Agriculture (Australasia) Pty Ltd, Manulife Investment Management Timberland and Agriculture Inc., Manulife Investment Management (Hong Kong) Limited. **Canada:** Manulife Investment Management Limited, Manulife Investment Management Distributors Inc., Manulife Investment Management (North America) Limited, Manulife Investment Management Private Markets (Canada) Corp. **Chinese Mainland:** Manulife Overseas Investment Fund Management (Shanghai) Limited Company. **European Economic Area:** Manulife Investment Management (Ireland) Ltd. **Hong Kong:** Manulife Investment Management (Hong Kong) Limited. **Indonesia:** PT Manulife Aset Manajemen Indonesia. **Japan:** Manulife Investment Management (Japan) Limited. **Malaysia:** Manulife Investment Management (M) Berhad 200801033087 (834424-U) **Philippines:** Manulife Investment Management and Trust Corporation. **Singapore:** Manulife Investment Management (Singapore) Pte. Ltd. (Company Registration No. 200709952G) **South Korea:** Manulife Investment Management (Hong Kong) Limited. **Switzerland:** Manulife IM (Switzerland) LLC. **Taiwan:** Manulife Investment Management (Taiwan) Co. Ltd. **United Kingdom:** Manulife Investment Management (Europe) Ltd. **United States:** John Hancock Investment Management LLC, Manulife Investment Management (US) LLC, Manulife Investment Management Private Markets (US) LLC and Manulife Investment

Management Timberland and Agriculture Inc. **Vietnam:** Manulife Investment Fund Management (Vietnam) Company Limited.

No Manulife entity makes any representation that the contents of this presentation are appropriate for use in all locations, or that the transactions, securities, products, instruments, or services discussed in this presentation are available or appropriate for sale or use in all jurisdictions or countries, or by all investors or counterparties. All recipients of this presentation are responsible for compliance with applicable laws and regulations.

This material is intended for the exclusive use of recipients in jurisdictions who are allowed to receive this information under their applicable law. The opinions expressed are those of the author(s) and are subject to change without notice. Our investment teams may hold different views and make different investment decisions. These opinions may not necessarily reflect the views of Manulife Investment Management or its affiliates. There can be no assurance that actual outcomes will match the assumptions or that actual returns will match any expected returns. The information and/or analysis contained in this material has been compiled or arrived at from sources believed to be reliable, but Manulife Investment Management does not make any representation as to their accuracy, correctness, usefulness or completeness and does not accept liability for any loss arising from the use of the information and/or analysis contained here. Neither Manulife Investment Management or its affiliates, nor any of their directors, officers or employees shall assume any liability or responsibility for any direct or indirect loss or damage or any other consequence of any person acting or not acting in reliance on the information contained here.

The information in this material may contain projections or other forward-looking statements regarding future events, targets, management discipline or other expectations, and is only current as of the date indicated. The information in this material including statements concerning financial market trends, are based on current market conditions, which will fluctuate and may be superseded by subsequent market events or for other reasons. This material was prepared solely for informational purposes and does not constitute, and is not intended to constitute, a recommendation, professional advice, an offer, solicitation or an invitation by or on behalf of Manulife Investment Management or its affiliates to any person to buy or sell any security or to adopt any investment strategy, and shall not form the basis of, nor may it accompany nor form part of, any right or contract to buy or sell any security or to adopt any investment strategy. Nothing in this material constitutes investment, legal, accounting, tax or other advice, or a representation that any investment or strategy is suitable or appropriate to your individual circumstances, or otherwise constitutes a personal recommendation to you. Neither Manulife Investment Management nor its affiliates provide legal or tax advice, and you are encouraged to consult your own lawyer, accountant, or other advisor before making any financial decision. Prospective investors should take appropriate professional advice before making any investment decision. In all cases where historical performance is presented, note that past performance does not guarantee future results and you should not rely on it as the basis for making an investment decision.

The distribution of the information contained in this presentation may be restricted by law and persons who access it are required to comply with any such restrictions. The contents of this presentation are not intended for distribution to, or use by, any person or entity in any jurisdiction or country in which such distribution or use would be contrary to any applicable laws or regulations. By accepting this material, you confirm that you are aware of the laws in your own jurisdiction relating to the provision and sale of the funds, portfolios or other investments discussed in this presentation and you warrant and represent that you will not pass on or use the information contained in this presentation in a manner that could constitute a breach of such laws by any Manulife entity or any other person.

For Wholesales Investors in Australia: Manulife Investment Management (Hong Kong) Limited (Manulife IM (HK)) and Manulife Investment Management Timberland and Agriculture Inc. (MIMTA) are exempt from the requirement to hold an Australian financial services license under the Corporations Act 2001 (Cth) in respect to the financial services provided to wholesale clients in Australia. Manulife IM (HK) and MIMTA accordingly do not hold an Australian financial services license. Manulife IM (HK) is regulated by the Securities and Futures Commission of Hong Kong ("SFC") under Hong Kong laws, and MIMTA is regulated by the Securities and Exchange Commission of the United States of America under United States of America laws, both of which differ from Australian laws. This document is directed at wholesale investors only.

For Professional Investors in Hong Kong: This material is provided to Professional Investors, as defined in the Hong Kong Securities and Futures Ordinance and the Securities and Futures (Professional Investor) Rules, in Hong Kong only. It is not

intended for and should not be distributed to, or relied upon, by members of the public or retail investors. This material has not been reviewed by the Securities and Futures Commission (SFC).

For Institutional Investors in Singapore: This material is intended for Accredited Investors and Institutional Investors as defined in the Securities and Futures Act.

For Qualified Institutional Investors in South Korea: This material is intended for Qualified Professional Investors under the Financial Investment Services and Capital Market Act ("FSCMA"). Manulife Investment Management does not make any representation with respect to the eligibility of any recipient of these materials to acquire any interest in any security under the laws of Korea, including, without limitation, the Foreign Exchange Transaction Act and Regulations thereunder. An interest may not be offered, sold or delivered directly or indirectly, or offered, sold or delivered to any person for re-offering or resale, directly or indirectly, in Korea or to any resident of Korea, except in compliance with the FSCMA and any other applicable laws and regulations. The term "resident of Korea" means any natural person having his place of domicile or residence in Korea, or any corporation or other entity organized under the laws of Korea or having its main office in Korea.

For Qualified Investors in Switzerland: This material may be made available in Switzerland solely to Qualified Investors (as defined in Article 10(3) and (3ter) of the Swiss Collective Investment Schemes Act ("CISA") and its implementing ordinance), at the exclusion of Excluded Qualified Investors. The information provided in this material is for information purpose only and does not constitute an offer, a solicitation or a recommendation to contract a financial instrument or a financial service. This document does not constitute implicit or explicit investment advice. The information provided herein is general in nature and does not constitute an advertisement of financial products in Switzerland.

For Professional Clients and Eligible Counterparties in the United Kingdom: This material is intended exclusively for persons classified as Professional Clients or Eligible Counterparties under the rules of the Financial Conduct Authority (FCA). It is provided on a fair, clear, and not misleading basis and does not constitute, and is not intended to constitute, "marketing" within the meaning of Article 4(1)(x) of the Alternative Investment Fund Managers Directive (AIFMD) as onshored into UK law. This document does not represent an offer to sell or a solicitation to buy any financial instrument, adopt any particular strategy, or participate in any investment scheme. Not for distribution to retail clients or any person in any jurisdiction where such distribution would be unlawful. Manulife Investment Management (Europe) Ltd. is authorised and regulated by the FCA.

For Professional Clients in the European Economic Area: This material is intended exclusively for persons classified as Professional Clients under Article 4 (10) MiFID II (2014/65/EU) as implemented in the relevant jurisdiction. It is provided on a fair, clear, and not misleading basis and does not constitute, and is not intended to constitute, "marketing" within the meaning of Article 4.1(x) of the Alternative Investment Fund Managers Directive (AIFMD). This document does not represent an offer to sell or a solicitation to buy any financial instrument, adopt any particular strategy, or participate in any investment scheme. Distribution of this material may be restricted by law in certain jurisdictions; persons into whose possession it comes should inform themselves about and observe any such restrictions. Not for distribution to retail investors or any person in any jurisdiction where such distribution would be unlawful. Manulife Investment Management (Ireland) Ltd. is authorised and regulated by the Central Bank of Ireland.

United States: Manulife Investment Management (US) LLC (Manulife IM US) and Manulife Investment Management (North America) Limited (Manulife IM NA) are indirect wholly owned subsidiaries of Manulife. John Hancock Investment Management LLC and Manulife Investment Management (US) LLC are affiliated SEC-registered investment advisors using the brand name John Hancock Investment Management. This material is not intended to be, nor shall it be interpreted or construed as, a recommendation or providing advice, impartial or otherwise.

5515587