Manulife Investment Management

September 4, 2024

ONE Investment

Charles C. Tomes
Associate Portfolio Manager
Global Multi-Sector Fixed Income

Sherri Tilley
Client Portfolio Manager
Global Multi-Sector Fixed Income

Mark Bischoff, CFA
Managing Director
Relationship Management

For discussion of the risks associated with this strategy, please see the Investment Considerations page at the end of the presentation.

PRS.523767

What sets Manulife Investment Management apart

We strive to be the partner of choice for institutional investors globally

Benefiting from Manulife Financial, our insurance business[1] — its stability and financial strength

AA- S&P

A1 Moody's

A+ AM Best

AA- Fitch

AA DBRS Morningstar

Asia-, Europe-, and North America-based investment professionals

Covering both public and private markets to help our clients capitalize on emerging trends

World's largest institutional manager of natural capital[2]

Offering a range of sustainable investments, including thematic, impact, and ESG-integrated portfolios

1 Financial strength ratings are for The Manufacturers Life Insurance Company: https://www.manulife.com/en/investors/ratings.html. All ratings are current as of March 31, 2024. **2** IPE research, as of January 29, 2024. Ranking is based on total natural capital assets under management (AUM), which include forestry/timberland and agriculture/farmland AUM. Firms were asked to provide AUM and the as of dates vary from December 31, 2022, to December 31, 2023.

Our investment management capabilities combine local insight with global reach

More than
625 investment professionals
across the globe

Offices in
20 geographies
worldwide

Overseeing more than
$631 billion in AUM
by our in-house investment teams

Source: MFC statistical information package, as of March 31, 2024. AUM is in Canadian dollars. AUM includes assets internally managed by Manulife Investment Management on behalf of external clients, the Manulife general account and other affiliated businesses. The methodologies used to compile the total AUM are subject to change and may not reflect regulatory AUM as reported on certain affiliates' Form ADV. Manulife Investment Management AUMA at March 31, 2024 which includes C$629.9 billion assets under management and C$1.5 billion assets under administration. Manulife Investment Management's global investment professional team includes expertise from several Manulife Investment Management affiliates and joint ventures. Not all entities represent all asset classes.

We offer deep, integrated capabilities across both public and private markets

Fixed income

Offering broad capabilities across the credit spectrum in both regionally focused and global portfolios

$232.6B[1]

Equity

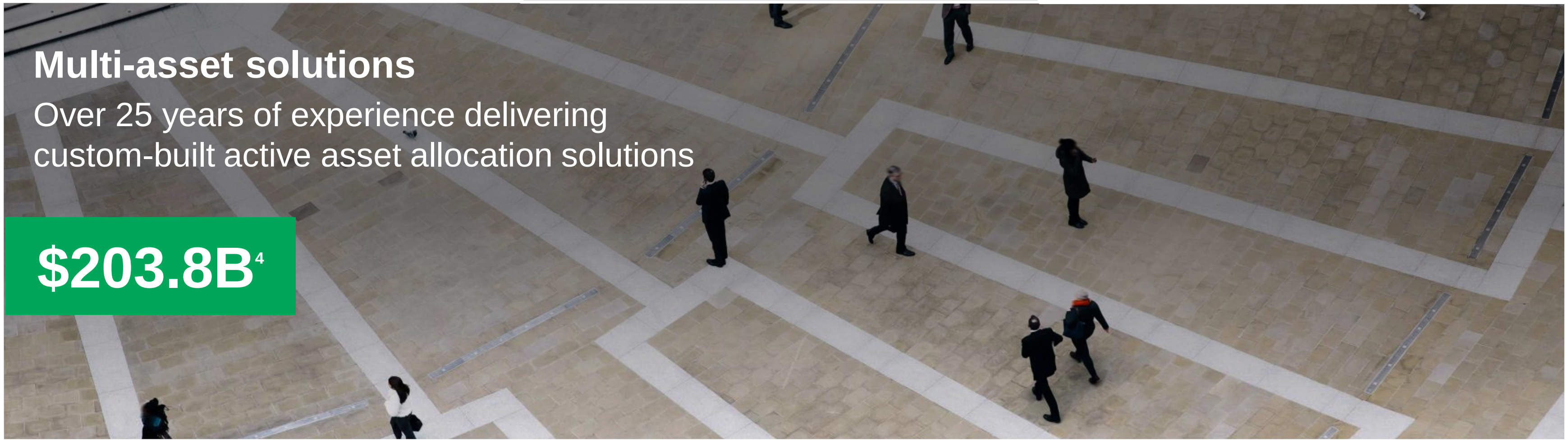
Customizable, differentiated strategies pursuing specialized and durable sources of alpha

$149.9B[2]

Private markets

Offering clients access to a broad range of solutions across real asset and private equity and credit strategies

$95.2B[3]



Multi-asset solutions

Over 25 years of experience delivering custom-built active asset allocation solutions

$203.8B[4]

Source: Manulife Financial Corporation as of March 31, 2024. Excludes subadvised assets under management. Assets are shown in Canadian dollars. Manulife Investment Management's global investment professional team includes expertise from several Manulife Investment Management affiliates and joint ventures. Not all entities represent all asset classes. The methodologies used to compile the total AUM are subject to change and may not reflect regulatory AUM as reported on certain affiliates' Form ADV. **1** AUM includes the balanced funds mainly fixed income weighted. **2** AUM includes the balanced funds mainly equity weighted. **3** AUM managed by Manulife IM Private Markets. **4** AUM includes C$4.5 billion advised by MAST, managed by other Manulife IM investment teams, and $49.7 billion allocated to investment strategies managed by other Manulife IM investment teams.

Global multi-sector fixed-income

A response to challenging fixed income markets

Typical plan sponsor

Fixed income investment objectives

1	Pursue return/yield profile above traditional domestic fixed income through different market environments
2	Seek to maintain volatility consistent with fixed income instruments
3	Seek to protect against rising rate and inflationary environments
4	Diversify fixed income allocation away from benchmark-centric, domestic exposure
5	Preserve liquidity

No investment strategy or risk management technique can guarantee returns or eliminate risk in any market environment.
For illustrative purpose only. Diversification does not guarantee a profit nor protect against loss in any market.

Global multi-sector fixed-income team

Roles and experience

Christopher Chapman, CFA
Head of Global Multi-Sector Fixed Income, Senior Portfolio Manager (25 years' experience, Boston)

Kisoo Park
Senior Portfolio Manager
38 years' experience, Hong Kong

Thomas C. Goggins
Senior Portfolio Manager
37 years' experience, Boston

Bradley Lutz, CFA
Senior Portfolio Manager
32 years' experience, Boston

Charles Tomes
Portfolio Manager
16 years' experience, Boston

Joseph Rothwell, CFA
Senior Investment Analyst
16 years' experience, Boston

Christopher Smith, CFA, CAIA
Senior Investment Analyst
16 years' experience, London

Sherri Tilley
Client Portfolio Manager
16 years' experience, Boston

Christopher Camell
Senior Portfolio Analyst
26 years' experience, Boston

Andrew Moylan, CFA
Senior Portfolio Analyst
16 years' experience, Boston

Wesley Adeyemi
Portfolio Analyst
9 years' experience, London

Steven Crowley, CFA
Client Portfolio Analyst
7 years' experience, Boston

Additional resources

Global Trading
17 dedicated traders located across Boston, Toronto, London, and Singapore

Macroeconomic Strategy
Frances Donald
Global Chief Economist and Strategist
6 Macroeconomic strategists

Fixed Income Credit Research
Global research capabilities located in Boston, Toronto, London, and Asia
40 research analysts

Spencer Godfrey, CFA
Head of Global Developed Markets Fixed-Income Research

Fiona Cheung
Head of Global Emerging Markets Fixed Income Research

Asian Fixed Income Team
Investment professionals in 10 markets:
China, Hong Kong, Indonesia, Japan, Malaysia, Philippines, Taiwan, Thailand, Vietnam, Singapore

Sustainable Investing
Brian J. Kernohan
Chief Sustainability Officer
12 ESG analysts

Investment Risk and Quantitative Analytics
Amirali Assef, CFA
Global Head of Investment Risk
10 Quantitative analysts

As of June 30, 2024

Strategic Fixed Income Strategy
Investment philosophy and process

Philosophy

We believe strong, consistent returns can be generated by investing primarily in a portfolio of global government, corporate and securitized debt, including emerging markets and high yield securities. Currency management is employed to further diversify the portfolio, mitigate risk and add value. By expanding the investment universe to include multiple sectors and currencies, we believe we increase our potential to add value while reducing risk.

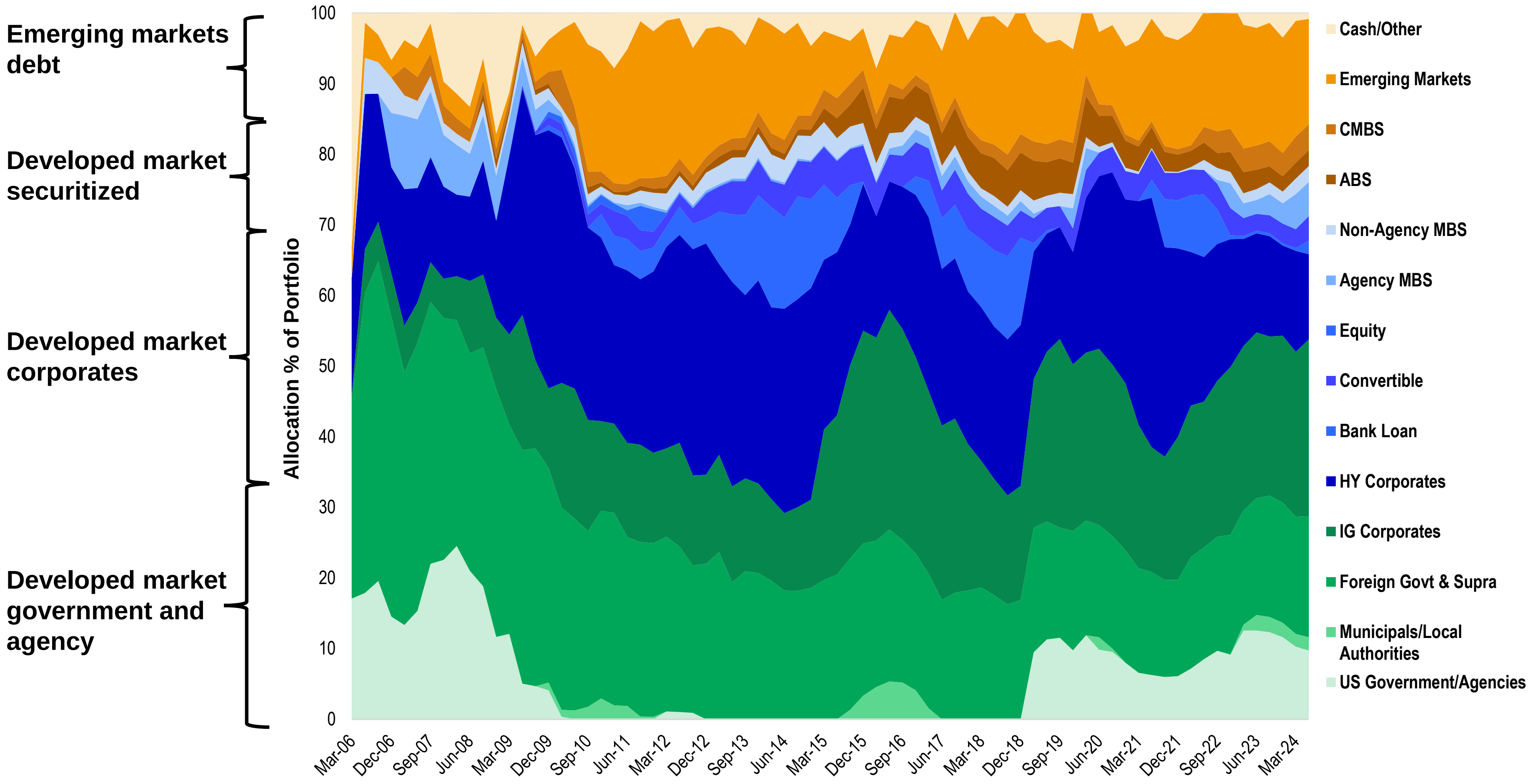
Process

- Consistent adherence to disciplined investment style and process which utilizes diverse sources of alpha
- Using a comprehensive investment process, we seek to:
  - Invest in attractive countries and sectors based on our top-down view of macro economic conditions
  - Engage in an intensive bottom-up research process to identify relative value opportunities, including the analysis of business, financial, liquidity and ESG factors
  - Make opportunistic currency investments to add value and further diversify our portfolio position

Macroeconomic analysis → **Identify attractive countries and sectors** → **Conduct relative value analysis** → **Currency management** → **Portfolio construction and risk management**

For illustrative purposes only.

Strategic Fixed Income Strategy
Dynamic country and sector allocation



As of June 30, 2024. For illustrative purposes only.

Portfolio allocation is subject to change without notice. Portfolio Allocations of individual client portfolios in the program may differ, sometimes significantly, from those shown. This information does not constitute, and should not be construed as, investment advice or recommendations with respect to the sectors listed. This information is supplemental to the GIPS-compliant presentation included as a part of this material. There can be no guarantee that similar investment opportunities will be available in the future or that the strategy will be able to exploit similar investment opportunities should they arise.

ESG factors are embedded into our fundamental investment process

The Global Multi-Sector Fixed Income Team seeks to:

- Understand the transmission of material ESG risks to global fixed income issuer profiles
- Evaluate how relevant ESG factors contribute to an investment's risk and valuation
- Identify relevant ESG opportunities in the form of information asymmetries, rating trends and issuer inflection points

ESG due diligence

ESG integration approach

Credit research team applies industry and regional expertise to assess material ESG factors using a proprietary ESG credit and sovereign risk analysis templates to assess the potential for ESG factors to impact spreads and possibly default risks.

Resources

Investment teams have access to specialized third party ESG research and data, proprietary ESG industry handbooks, periodic ESG trainings, and dedicated internal ESG specialists.

Decision

We look to understand the potential impacts of ESG on the fundamental risk/reward profile, whether additional compensation (yield spread) is required for the ESG risks, and the overall valuation impact. Investments in companies with elevated ESG risks are not systematically excluded, provided the risks and exposure are appropriate at the portfolio level.

ESG risk monitoring

Daily risk reporting

Daily reports delivered to all investment teams highlight the highest-risk names for each strategy.

Portfolio analysis reports

Portfolio monitoring helps to analyze ESG performance on an ongoing basis, highlighting portfolio trends versus the benchmark and exposure to thematic ESG risks/opportunities.

ESG risk reviews

Investment teams have ongoing portfolio reviews with Sustainable Investing team to discuss investment approach to relevant ESG issues at the company and portfolio level.

Active ownership and collaboration

Engagement

Engagement with corporate and sovereign entities may be conducted to enable better understanding of issuers' risk mitigation activities and changes to their risk profile. We participate in private and collaborative engagements.

Ongoing review

Follow-up meetings are considered based on evidence of company progress, significance of investment for overall portfolio, etc.

Collaboration

Manulife IM participates in a wide variety of collaborative engagements around the globe. This work allows us to expand the scope of our sustainability-focused activity while helping us build more resilient portfolios. Our collaborative engagements may focus on individual investments and systemic risks—and sometimes both.

For illustrative purposes only.
While ESG analysis is integrated into our investment process the strategy is not optimized or constructed on the basis of sustainability or ESG factors in isolation.

Performance Review

Strategic Fixed Income Strategy

Higher government yields and wider spreads led to mixed performance results

Interest rates

Yields on government debt were mostly higher in the second quarter with encouraged expectations for a cut from the Federal Reserve.

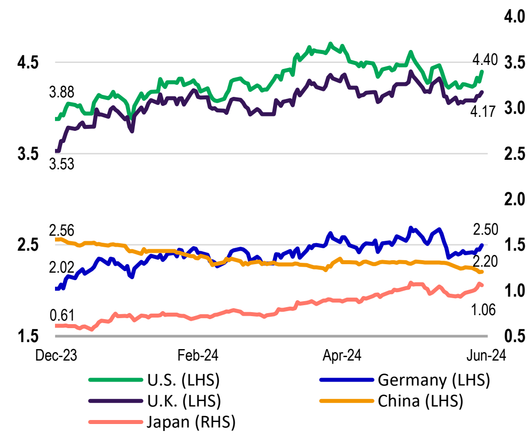
Credit spreads

Corporate credit outperformed government debt despite wider spreads investment grade, high yield, and hard currency emerging markets.

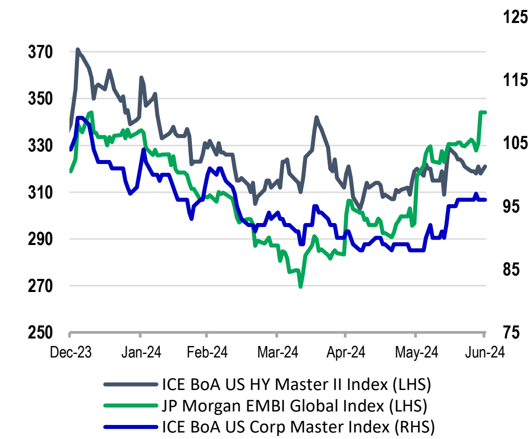
Currencies

CADUSD was weaker on the quarter, with a stronger U.S. dollar following a hotter-than-expected U.S. inflation print.

10 Year Gov't Yields

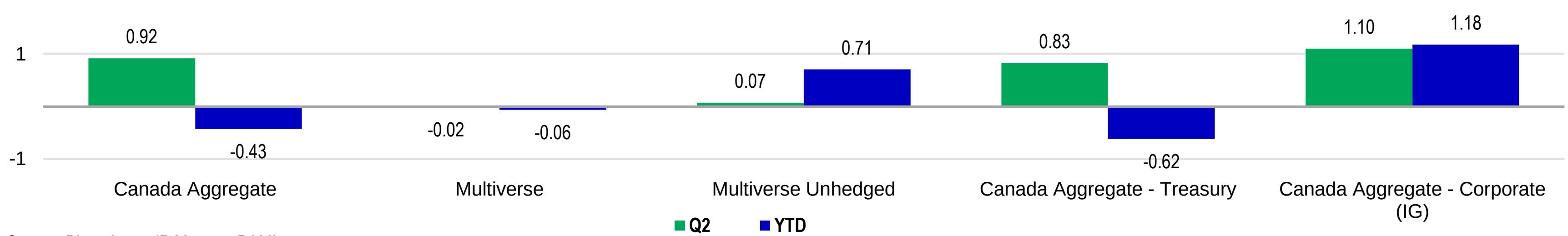


IG, HY, & EMD Spreads



CADUSD

Bloomberg Fixed Income Index Returns (%, hedged in CAD)



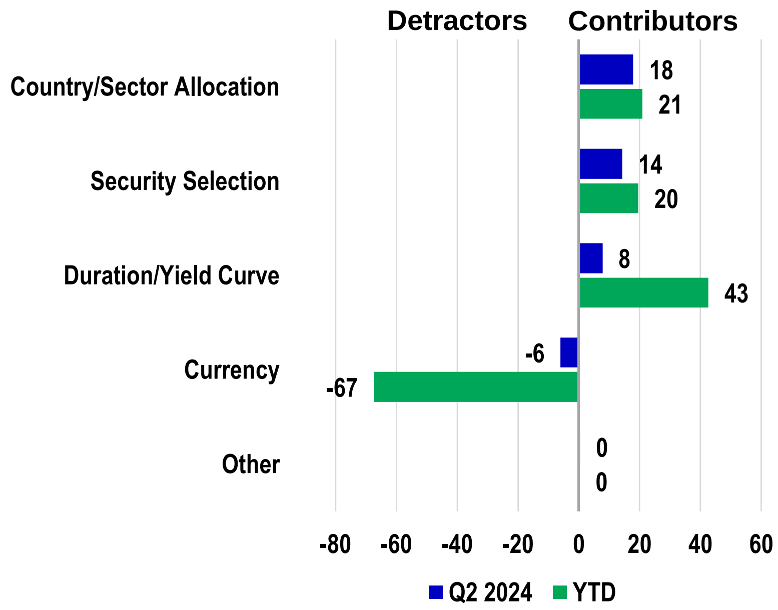
Source: Bloomberg, JP Morgan, BAML
As of June 30, 2024

2024 Q2 Investment Results

Country/sector allocation was the main contributor while currency management detracted

Performance	Q2 2024	YTD
One Investment	0.37	0.85
Bloomberg Multiverse Index	0.07	0.71
Excess return	**0.30**	**0.14**

Performance attribution (bps)



Q2 Contributors

Country/sector allocation: Sector and country allocation combined was the largest contributor for the period led by underweight allocations to local rates in Japan and the Eurozone combined with convertible and overweight high yield corporate bond exposure.

Security selection: Security selection also contributed on relative positioning within our investment-grade corporate and convertible bond allocations.

Duration/yield curve: Duration and curve management combined was positive as global yields were mixed, but mostly higher, and our shorter duration posture benefitted, particularly within the U.S. and Japan.

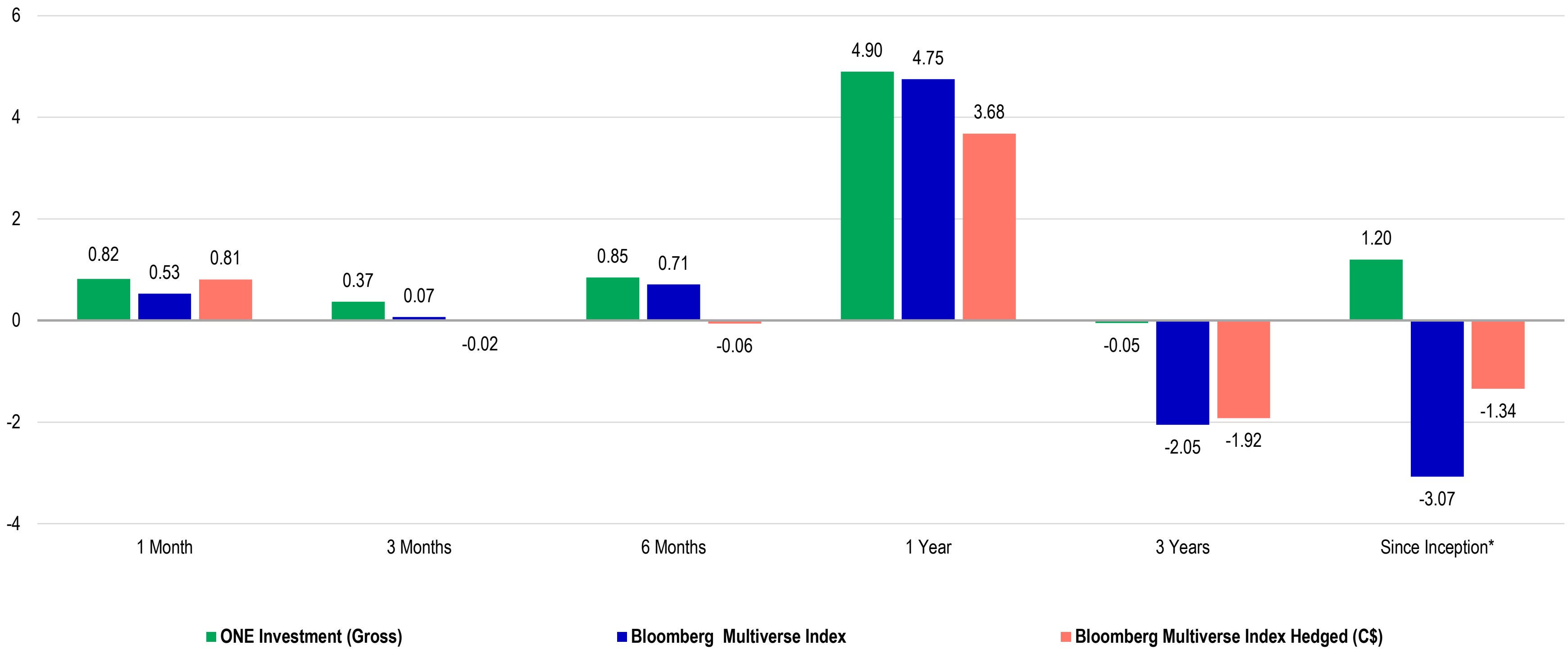
Q2 Detractors

Currency management: Currency management was negative primarily due to overweight exposure to the Mexican peso, Brazilian real, and Indonesian rupiah which depreciated relative to the Canadian dollar.

As of June 30, 2024
Returns greater than one year are annualized. Past performance is not indicative of future results. Performance shown of the strategy is gross of fees and does 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.

One Investment Results
as of June 30, 2024

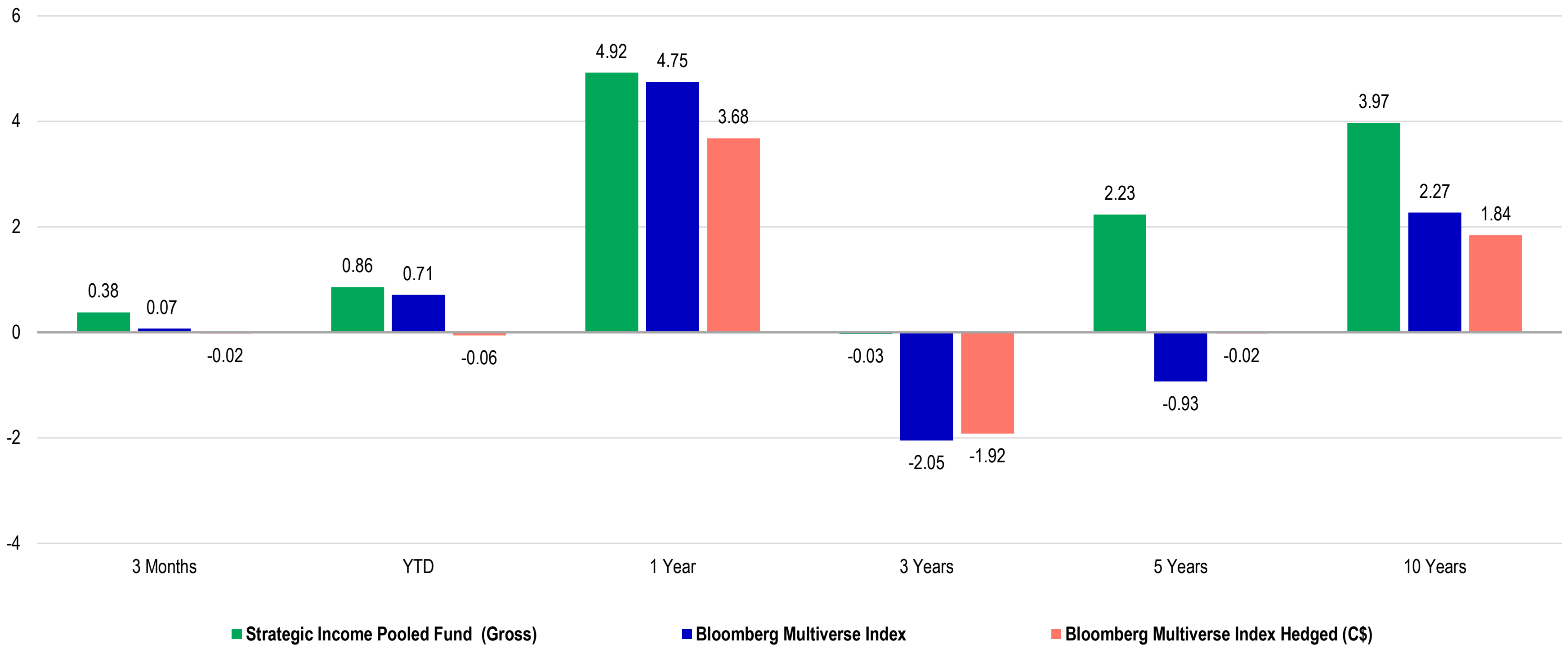
Annualized Returns (%)



Source: Manulife Investment Management
*Since Inception Date: July 7, 2020
See page 21 for important information regarding this page.

Strategic Income Pooled Fund
Investment results as of June 30, 2024

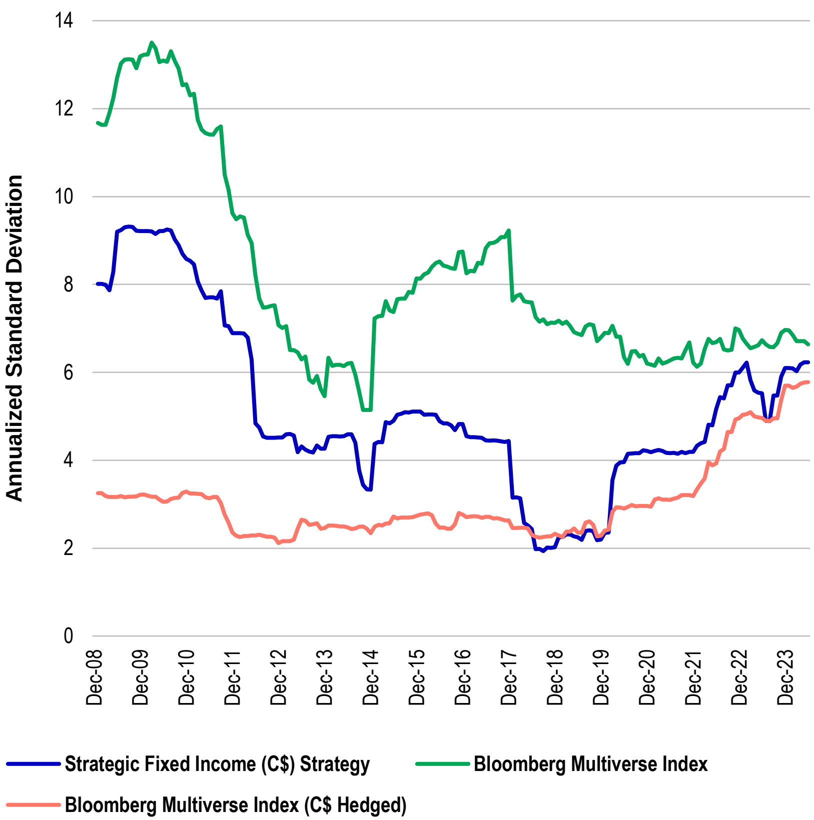
Annualized returns (%)



In CAD
Composite inception date: December 2005

Strategic Fixed Income Strategy
Risk analysis

Rolling 3-year volatility
(36 month annualized standard deviation)



5-year risk analysis
As of June 30, 2024

5-year risk/return analysis	Return	Standard deviation	Sharpe ratio
Strategic Fixed Income Strategy (Net)	1.89	5.71	-0.05
Bloomberg Multiverse Index	-0.93	6.39	-0.48
Bloomberg Multiverse Index (C$ Hedged)	-0.02	4.97	-0.44

10-year risk analysis
as of June 30, 2024

10-year risk/return analysis	Return	Standard deviation	Sharpe ratio
Strategic Fixed Income Strategy (Net)	3.58	4.83	0.43
Bloomberg Multiverse Index	2.27	7.25	0.10
Bloomberg Multiverse Index (C$ Hedged)	1.84	3.95	0.08

As of June 30, 2024
Source: Manulife Investment Management, Bloomberg, eVestment
Past performance is not indicative of future results. Performance is shown in CAD. Net performance results reflect the application of the highest incremental rate of the standard investment advisory fee schedule to gross performance results.
Composite inception date: December 2005

Portfolio Review and Market Outlook

Portfolio Investment Themes

Key investment risk	Investment theme	Q2 portfolio change
Interest rate risk	Position for opportunity while adjusting around volatility	• Tactically reduced duration with volatility and rally in government bonds yields, ending the quarter at 4.6 years • Duration positioned above neutral and remains geographically well-diversified
Credit risk	Embrace diversification across sectors and regions	• Exposure positioned in favor interest rate risk versus pure corporate credit risk • Added to term loans while reducing high yield corporate credit on relative value • Selectively exposed to emerging markets in favor of local currency versus hard
Currency risk	Actively manage currency risk	• Actively managed CAD hedge ratio ending the quarter at 81% • Maintain constructive medium-term view for CAD dollar strength
Liquidity risk	Maintain portfolio liquidity	• Approximately 38% of the portfolio in maturities < 5 years • Focus on larger issues

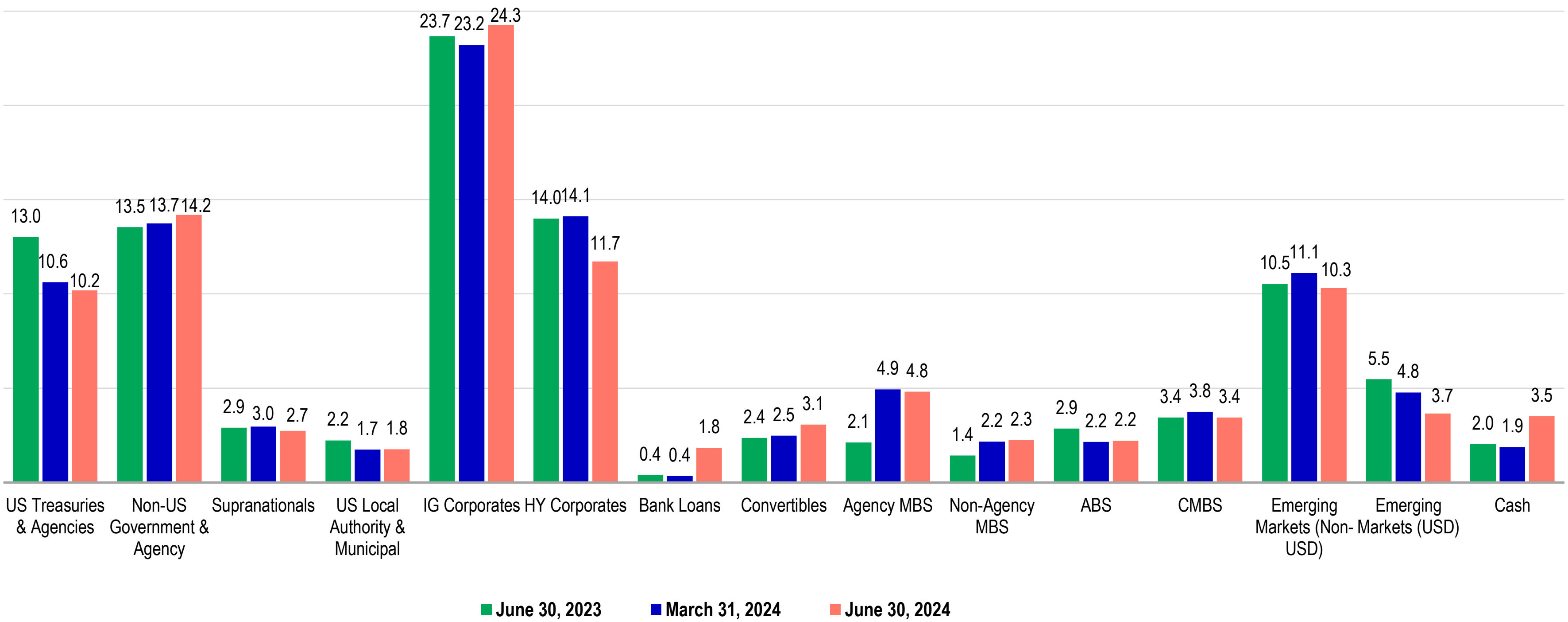
As of June 30, 2024

Strategic Fixed Income Strategy

Sector Allocation: Diversified portfolio of high quality and liquid exposures

Strategic Fixed Income Strategy

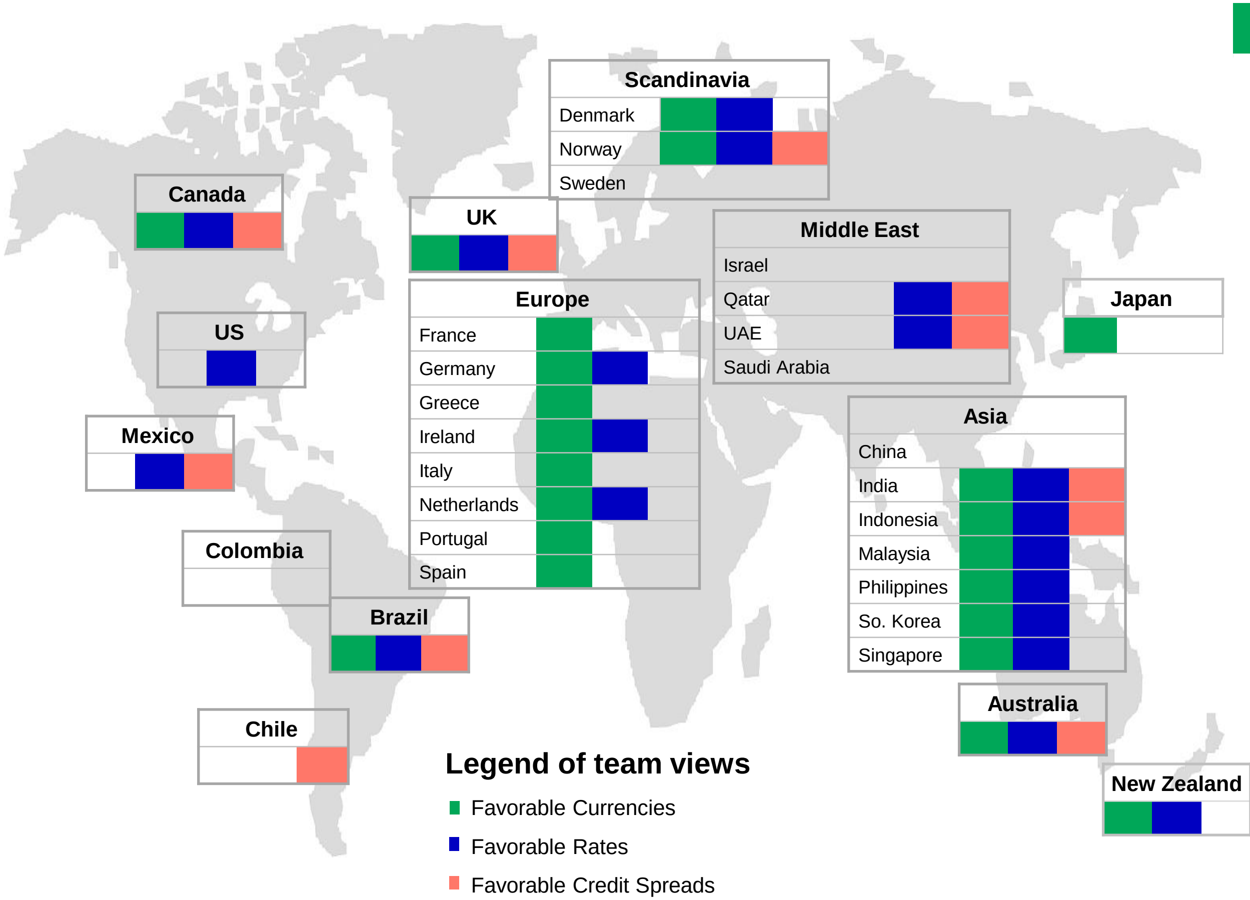
Characteristics	June 2023	March 2024	June 2024
Average Rating	A3	A3	A3
Yield to Worst	5.08	4.92	4.60
Current Yield	4.27	4.47	4.55
Effective Duration	5.49	5.09	4.64



Source: Manulife Investment Management as of June 30, 2024
Investment decisions are subject to change.

Global outlook

Capturing income and total return potential while navigating economic uncertainty and market volatility



As of June 30, 2024

Global Outlook

Macroeconomic environment:

- There remains consideration uncertainty around global growth, and we anticipate a moderation in economic activity and anticipate select central banks will commence a reversal in tighter monetary policy amid moderating inflation.
- The lagged impacts of higher interest rates remain uncertain but are expected to weigh on consumer spending, along with housing and labor markets, over the medium-term.
- Volatility is to persist with market participants navigating elevated economic and geopolitical uncertainty.

Opportunities:

- We are monitoring 1) changes to central bank monetary policy and forward guidance, 2) global economic, employment and inflation data, 3) tightening of financial conditions, and 4) elevated political risk, to make further shifts to the portfolio:
  - Attractive valuations in global governments, agencies, local authorities, securitized, and select emerging markets.
  - Industry, issuer and quality rotations within corporate credit.
  - Seek to actively manage currency exposures in the short-term, while anticipating a weaker U.S. dollar over the medium term.

Appendix

Strategic Fixed Income Strategy

Representative portfolio characteristics as of June 30, 2024

Characteristic	Strategic Fixed Income (C$) Strategy	Bloomberg Multiverse Index
Average Rating[1]	A2/A3	Aa3/A1
Average Coupon (%)	4.27	2.92
Average Life (Years)	6.68	8.33
Yield to Maturity (%)	4.62	4.12
Yield to Worst (%)	4.56	4.12
Effective Duration (Years)	4.76	6.44

Top 10 Issuers	Portfolio Weight (%)
Government of the United States	9.71
Indonesia Treasury Bond	2.81
Freddie Mac Pool	2.65
Fannie Mae Pool	2.22
Korea Treasury Bond	2.05
New Zealand Government Bond	1.59
HCA Inc	1.22
Mexican Bonos	1.21
New Zealand Local Government Funding Agency Bond	1.19
Norway Government Bond	1.18
Total	**25.83**

Sector Allocation (%)	Strategic Fixed Income (C$) Strategy	Bloomberg Multiverse Index
US Government	**11.61**	**17.79**
US Treasuries	9.71	17.23
US Agency	0.00	0.35
Municipal	1.90	0.21
Credit	**42.51**	**19.65**
IG Corporates	25.05	17.16
HY Corporates	12.08	2.49
Bank Loans	1.92	0.00
Convertibles	3.46	0.00
Equities	0.00	0.00
Securitized	**13.01**	**13.17**
Agency MBS	4.87	10.21
Non-Agency MBS	2.21	0.00
ABS	2.32	2.32
CMBS	3.62	0.64
Foreign Developed	**17.14**	**32.66**
Govt & Agency	14.14	30.30
Supranationals	3.00	2.36
Emerging Markets	**14.93**	**16.73**
Emerging Markets — USD	4.31	3.04
Emerging Markets — Non-USD	10.62	13.70
Cash & Other	**0.80**	**0.00**

In CAD
1 Average Rating is a Manulife IM proprietary average taking the average rating from Moody's, S&P, and Fitch.
Holdings, sector weightings, market capitalisation and portfolio characteristics are subject to change at any time and are for illustrative and reference purpose only. This information does not constitute, and should not be construed as, investment advice or recommendations with respect to the securities and sectors listed. This information is supplemental to the GIPS Report included as a part of this material.

Biographies

Christopher M. Chapman, CFA

Senior Portfolio Manager, Head of Global Multi-Sector Fixed Income, Manulife Investment Management

Chris is head of the company's global multi-sector fixed-income strategies, responsible for portfolio management, global sovereign debt, portfolio construction, and currency and risk management. Previously, he was a portfolio manager for global multi-sector fixed-income and, prior to that, he was a senior investment analyst and trader with the team. Earlier in his career, he worked in several other areas of the firm, including as an investment risk analyst on the quantitative research team. Chris began his career at State Street Bank. He holds the Certified Financial Analyst designation and is a member of the CFA Society Boston.

Education: B.S.B.A., Management, Stonehill College; M.S.F., Boston College

Joined the company: 2005

Began career: 1999

Thomas C. Goggins

Senior Portfolio Manager, Global Multi-Sector Fixed Income, Manulife Investment Management

Tom is responsible for portfolio management, global bond research, security selection, and risk management for the company's global multi-sector fixed-income strategies. Prior to joining the company, Tom held positions at Putnam Investments, Transamerica Investments, SAC Capital, and Fontana Capital.

Education: B.B.A., University of Wisconsin; M.A., Finance and Accounting, JL Kellogg Graduate School of Management at Northwestern University

Joined the company: 1995; rejoined in 2009

Began career: 1987

Biographies

Kisoo Park

Senior Portfolio Manager, Global Multi-Sector Fixed Income, Manulife Investment Management

Kisoo is responsible for portfolio management, global bond research, and currency management for the company's global multi-sector fixed-income strategies. He joined the firm from a hedge fund firm based in Hong Kong, where he was a founding member and COO. Prior to that, he was the CIO, responsible for tactical asset allocation investing in global equities, fixed-income, commodities, foreign exchange, and interest-rate asset classes at Prince Asset Management, Hong Kong. Earlier in his career, Kisoo held positions at Bank of Montreal, Fleet National Bank, Morgan Stanley, and Bank of New England, where he began his career specializing in treasury products, foreign exchange, and interest-rate trading.

Education: B.A., Economics, Tufts University; Executive Business Diploma, University of Chicago, Graduate School of Business

Joined the company: 2011

Began career: 1986

Brad Lutz, CFA

Senior Portfolio Manager, Global Multi-Sector Fixed-Income, Manulife Investment Management

Brad is a senior portfolio manager on the firm's global multi-sector fixed-income team. Before joining the global multi-sector fixed-income team, Brad served as a portfolio manager on the preferred income team. Prior to that, he was a senior investment analyst, supporting the company's fixed-income strategies and providing expertise in the power and utility, aerospace & defense, and industrials segments. Earlier in his career, he had the same areas of responsibility at Declaration Management & Research, an affiliate of Manulife Investment Management. Prior to joining the firm, Brad worked for Summit Investment Partners, where he had research, trading, and portfolio management responsibilities for high-yield and investment-grade corporate bonds; and, prior to that, he was with Pacholder Associates as a high-yield credit analyst. Brad holds the Chartered Financial Analyst designation.

Education: B.S., Finance, Miami University

Joined the company: 2002

Began career: 1992

Biographies

Sherri N. Tilley

Client Portfolio Manager, Global Multi-Sector Fixed Income, Manulife Investment Management

Sherri is a client portfolio manager on the global multi-sector fixed-income team, where she supports the investment and client-facing teams in the effective communication and positioning of the firm's global multi-sector capabilities with clients, prospects, and consultants. Previously, she was a senior product specialist at Bank of New York Mellon's Insight Investment, where she supported taxable and tax-exempt fixed-income strategies through communications for a variety of audiences. Prior to that, Sherri held several roles throughout Bank of New York Mellon Investment Management, including time spent as product manager and portfolio analyst at Standish Mellon Asset Management.

Education: B.S.B.A., Finance, Northeastern University; M.S., Investment Management, Boston University

Joined the company: 2022

Began career: 2008

Charles C. Tomes

Associate Portfolio Manager, Global Multi-Sector Fixed Income, Manulife Investment Management

Chuck is responsible for global bond and currency research, portfolio implementation, and trading for the company's global multi-sector fixed-income strategies. Previously, he worked at John Hancock Investment Management, and he started his career at Morgan Stanley.

Education: B.A., Finance, Northeastern University

Joined the company: 2010

Began career: 2008

Biographies

Mark Bischoff, CFA

Managing Director, Relationship Management, Manulife Investment Management

Mark is responsible for managing Canadian institutional and subadvisory client relationships. Prior to joining the firm, he was principal at State Street Global Advisors (SSgA) in Canada, where he was responsible for business development, relationship management, and SSgA's sales and marketing efforts in the province of Ontario. Mark holds the Chartered Financial Analyst designation and is a member of both the Institutional Asset Management Committee of the CFA Society Toronto and the Ontario Regional Council of the Association of Canadian Pension Management. Mark is also a licensed Life and A&S insurance agent with the Financial Services Commission of Ontario.

Education: B.Com., University of Toronto

Joined the company: 2010

Began career: 1994

Strategic Income Pool Fund
Benchmark definitions

Index	Definition
Bloomberg Multiverse Index	The Bloomberg Multiverse Index provides a broad-based measure of the global fixed income bond market. The index represents the union of the Global Aggregate Index and the Global High Yield Index and captures investment grade and high yield securities in all eligible currencies.
Bloomberg Multiverse Index Hedged	The Bloomberg Multiverse Index provides a broad-based measure of the global fixed income bond market. The index represents the union of the Global Aggregate Index and the Global High Yield Index and captures investment grade and high yield securities in all eligible currencies, hedged to Canadian dollar.
FTSE Canada Universe Bond Index	The FTSE Canada Universe Bond Index is a market capitalization-weighted index designed to be a broad measure of the Canadian investment-grade, fixed income market, including Government of Canada, provincial and corporate bonds with maturities of more than one year and a credit rating of BBB or higher.
Bloomberg US Aggregate Bond Index	The Bloomberg US Aggregate Bond Index represents securities that are US domestic, taxable, dollar-denominated. The index covers the US investment-grade fixed-rate bond market, with index components for government and corporate securities, mortgage pass-through securities, and asset-backed securities.
BofA Merrill Lynch Global Corporate Index	The BofA Merrill Lynch Global Corporate Index tracks the performance of investment grade corporate debt publicly issued in the major domestic and eurobond markets. Qualifying securities must have an investment grade rating (based on an average of Moody's, S&P and Fitch), at least 18 months to final maturity at the time of issuance, at least one year remaining term to final maturity as of the rebalancing date and a fixed coupon schedule.
BofA Merrill Lynch Global High Yield Index	The BofA Merrill Lynch Global High Yield Index tracks the performance of USD, CAD, GBP and EUR denominated below investment grade corporate debt publicly issued in the major domestic or Eurobond markets. Qualifying securities must have a below investment grade rating (based on an average of Moody's, S&P and Fitch), at least 18 months to final maturity at the time of issuance, at least one year remaining term to final maturity as of the rebalancing date.
JP Morgan CEMBI Diversified Index	The JP Morgan Corporate Emerging Markets Bond Index (CEMBI) is a market capitalization weighted index consisting of liquid USD-denominated emerging market corporate bonds.
JP Morgan EMBI Global Diversified Index	JP Morgan EMBI Global Diversified Index is a uniquely weighted index that tracks total returns for U.S. dollar-denominated debt instruments issued by emerging market sovereign and quasi-sovereign entities, including Brady bonds, loans and Eurobonds.
JP Morgan GBI GBI-EM Global Diversified Index	The JPMorgan GBI-EM is a comprehensive emerging markets debt benchmark that track local currency bonds issued by Emerging Market governments.

Client Reporting Disclosure

About Manulife Investment Management
Manulife Investment Management is the brand for the global wealth and asset management segment of Manulife Financial Corporation. Our mission is to make decisions easier and lives better by empowering investors for a better tomorrow. Serving more than 17 million individuals, institutions, and retirement plan members, we believe our global reach, complementary businesses, and the strength of our parent company position us to help investors capitalize on today's emerging global trends. We provide our clients access to public and private investment solutions across equities, fixed income, multi-asset, alternative, and sustainability-linked strategies, such as natural capital, to help them make more informed financial decisions and achieve their investment objectives. Not all offerings are available in all jurisdictions. For additional information, please visit manulifeim.com.

Additional information about Manulife Investment Management may be found at www.manulifeim.com/institutional.

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