

## ONE Joint Investment Board

### Model Portfolio Update

# Overview

- The ONE JIB adopted model portfolios in 2024
- The risk-return modelling that developed these portfolios were based on the following key inputs:
  - Capital market assumptions
  - Portfolio constraints
  - Eligible capital market exposures
- Since these inputs can evolve over time, it is recommended to review the models periodically to ensure ongoing appropriateness
- The following annual calendar for review of the model portfolios was established in the February 2025 ONE JIB meeting:
  - Q2: Analysis to be completed and reviewed with ONE staff
  - Q3: Analysis to be presented to ONE JIB for review and approval of any changes, with changes to be implemented as soon as practicable
- This presentation provides our analysis of the model portfolios using updated capital market assumptions effective March 31, 2025

# Updated capital market assumptions

- See full disclosure of capital market assumptions in the Appendix
  - Expected returns, risk and correlations at Q2/2025
  - Expected returns and risk at Q2/2024
  - Comparison of expected returns: Q2/2025 vs. Q2/2024
- Comparison of expected returns for some key asset classes:

Asset Classes	2025 Expected Long-Term Return	2024 Expected Long-Term Return	Difference
Cash	3.1%	3.4%	-0.4%
Canadian Universe Bonds	3.6%	4.1%	-0.6%
Global Multi-Asset Credit	6.4%	6.8%	-0.3%
Canadian Equities	7.4%	8.2%	-0.8%
U.S. Equities	5.6%	5.5%	0.1%

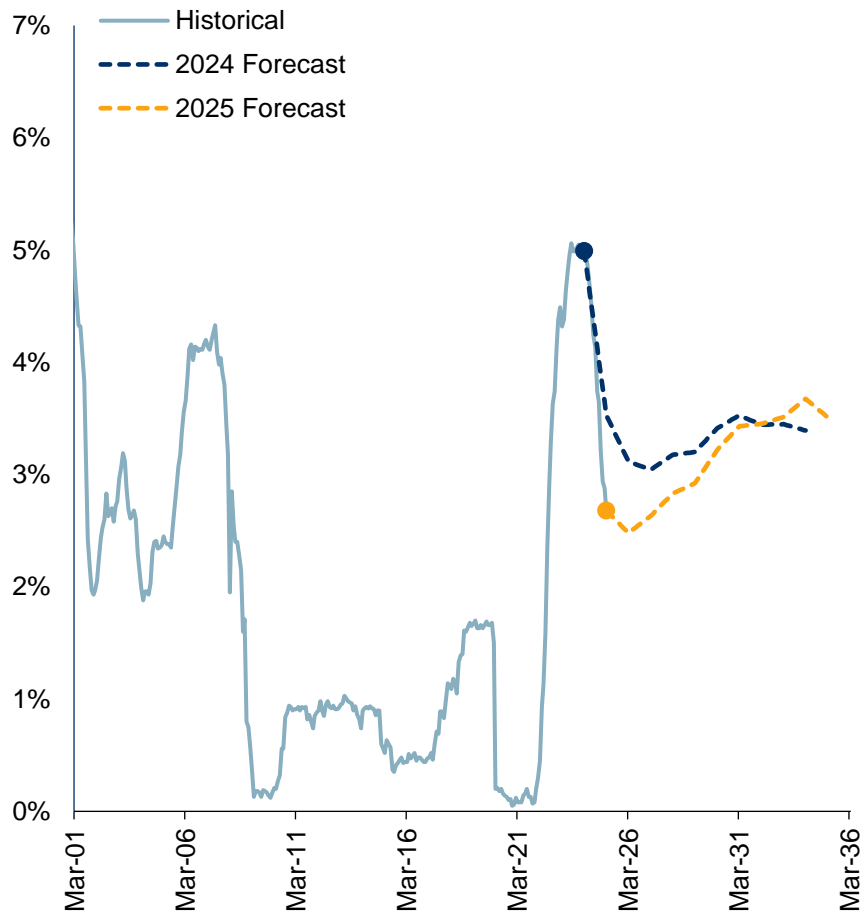
- Return expectations assumptions have broadly declined due to higher bond yields, elevated equity valuations and increased macroeconomic uncertainty

# Change in Canadian fixed income forecasts

Lower starting point (rates, spreads) & change in forward curve slope

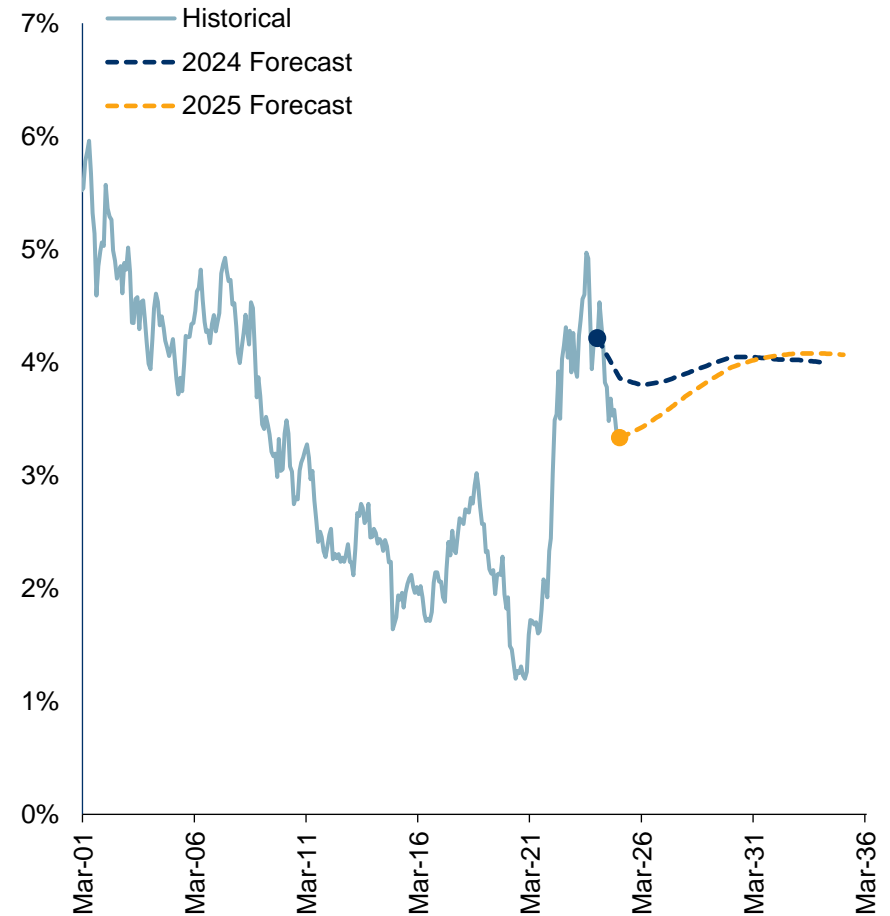
## 30-Day T-bills

Yield-to-maturity and forward curve



## Universe Bonds

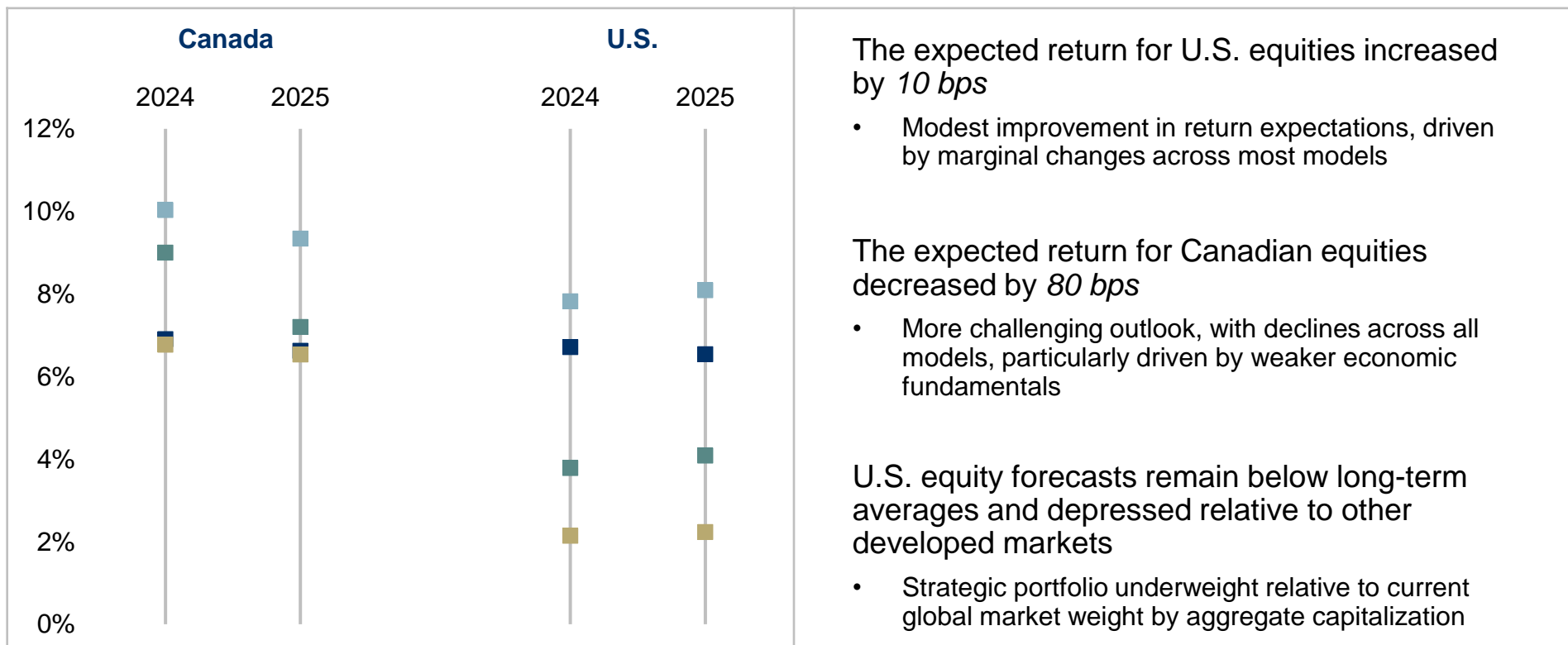
Yield-to-maturity and forward curve



Source: FTSE Global Debt Capital Markets Inc., RBC GAM.

# Change in equity forecasts

## Driven by changes in underlying models



Cross-Sectional Model	Fair Value Model	Valuation Model	Economic Model
Relies on the capital asset pricing model (CAPM) to estimate long term return from forward-looking measures of an assets internal rate of return	Uses a regression framework to create equilibrium price estimates from P/E and ROE and assumes that markets revert from current levels over time	Estimates future return based on the historical relationship with a composite of different absolute and relative valuation metrics	Uses a combination of historical norms, projections of key economic variables and demographic characteristics to derive expected returns

Source: RBC GAM

# Change in multi-asset credit forecasts

Slightly higher component returns offset by increase in currency hedging cost

Asset Classes	Representative Data Series	2024 Expected Long-Term Return	2025 Expected Long-Term Return	Difference
<b>Global Multi-Asset Credit</b>	<b>Custom Index<sup>1</sup></b>	<b>6.8%</b>	<b>6.4%</b>	<b>-0.3%</b>
3 Month U.S. T-Bills	ICE BofA 3 Month US T-Bills (USD)	4.2%	4.3%	+0.2%
Global High Yield Bonds	ICE BofA Global High Yield Index (USD)	6.6%	6.9%	+0.3%
Hard Currency Government EMD	JPM Emerging Market Bond Index (USD)	7.0%	7.1%	+0.1%
Hard Currency Corporate EMD	JPM Corporate Emerging Markets Bond Index (USD)	6.4%	6.4%	+0.0%
Local Currency Government EMD	JPM Government Bond Index-Emerging Markets (GBI-EM) (USD)	6.1%	6.2%	+0.1%
Leveraged Loans	Credit Suisse Leveraged Loan Index (USD)	7.5%	7.3%	-0.2%
Global Convertible Bonds	Thomson Reuters Convertible Global Focus Index (USD)	6.2%	6.6%	+0.5%
				+0.2%
CAD/USD Currency Hedge	Differential between Canadian and U.S. short rates	-0.7%	-1.2%	-0.5%
<b>Global Multi-Asset Credit</b>				<b>-0.3%</b>

<sup>1</sup> 7.5% ICE BofA 3 Month US T-Bills (CAD-H), 35% ICE BofA Global High Yield Index (CAD-H), 11.25% J.P. Morgan Emerging Market Bond Index (CAD-H), 11.25% J.P. Morgan Corporate Emerging Markets Bond Index (CAD-H), 7.5% J.P. Morgan Government Bond Index-Emerging Markets (GBI-EM) (CAD-H), 7.5% Credit Suisse Leveraged Loan Index (CAD-H) and 20% Thomson Reuters Convertible Global Focus Index (CAD-H).

Source: RBC GAM



# Modelling constraints

## Modelling constraints unchanged since 2024.

Modelling Constraints	Minimum Allocation	Maximum Allocation
Core Fixed Income & Money Market	20%	-
Any one of money market securities, universe corporate bonds and global sovereign bonds	-	25%
Any one of high yield bonds, emerging market debt, multi-asset global credit	-	15%
Any one of private placement corporate debt and commercial mortgages when 100% fixed income	-	5%
Any one of private placement corporate debt and commercial mortgages when including equities and alternatives	-	10%
Allocation to domestic equities (as a % of total equities)	-	50%
Allocation to low volatility equities (as a % of traditional equity counterpart)	-	50%
Any one of real estate and infrastructure, where applicable	-	5%

# Modelling constraints

The constraints are used:

- To provide diversification and avoid overly concentrated portfolios
- To provide portfolio liquidity by specifying maximum limits in illiquid assets
- To ensure that the resulting portfolio is reasonable from a practical standpoint
- To reduce sensitivity to the input parameters and assumptions, especially expected returns

The sizing of the constraints:

- Depends on beliefs on the level of diversification & liquidity and comfort with various asset classes
- Can be changed on further discussion
- Is based on our experience and intended to produce portfolios for further discussion.

# Existing model portfolios – no Alternatives

Approved in November 2024

	A	B	C	D	E	F	G
<b>Fixed Income</b>	<b>100%</b>	<b>80%</b>	<b>70%</b>	<b>60%</b>	<b>50%</b>	<b>40%</b>	<b>30%</b>
Canadian Money Market	0%	0%	0%	0%	0%	0%	0%
Short-Term Bonds and Mortgages	50%	50%	35%	25%	20%	20%	20%
Corporate Bonds	20%	0%	0%	0%	0%	0%	0%
Private Placement Corporate Debt	5%	10%	10%	10%	5%	0%	0%
Commercial Mortgages*	5%	10%	10%	10%	10%	10%	10%
High Yield Bonds	5%	0%	0%	0%	0%	0%	0%
Global Multi-Asset Credit	15%	10%	15%	15%	15%	10%	0%
<b>Equities</b>	<b>0%</b>	<b>20%</b>	<b>30%</b>	<b>40%</b>	<b>50%</b>	<b>60%</b>	<b>70%</b>
Canadian Equities	0%	5%	7%	10%	15%	25%	35%
Canadian Low Volatility Equities	0%	5%	7%	10%	10%	5%	0%
U.S. Equities	0%	2%	4%	5%	5%	6%	7%
U.S. Low Volatility Equities	0%	2%	4%	5%	5%	6%	7%
International Equities	0%	6%	8%	10%	15%	18%	21%
<b>Alternatives</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>
Canadian Core Real Estate*	0%	0%	0%	0%	0%	0%	0%
Global Infrastructure*	0%	0%	0%	0%	0%	0%	0%

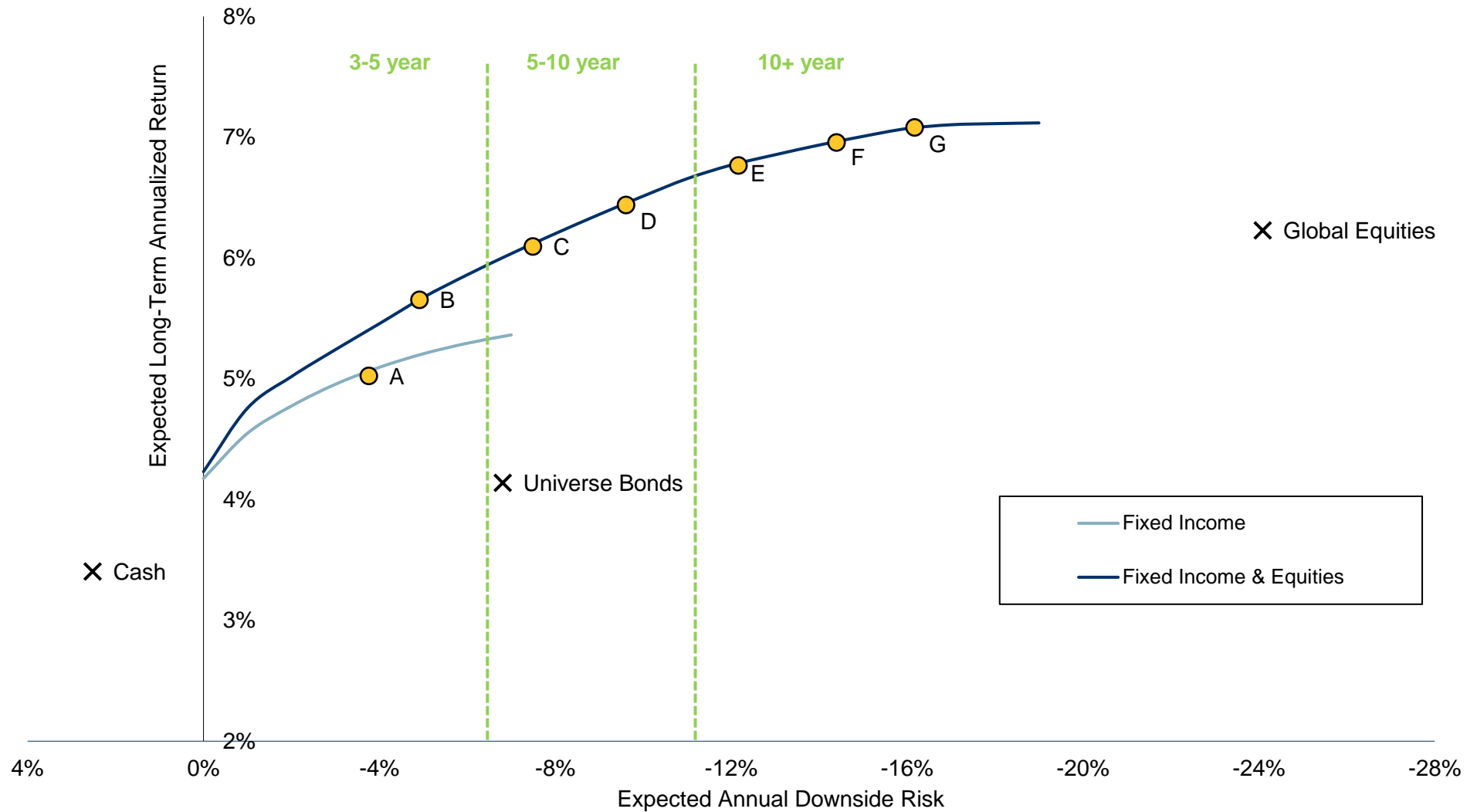
<sup>1</sup> Refer to appendix for modeling assumptions and disclosures.

<sup>2</sup> CVaR95 which represents the expected loss during the worst 5% of return outcomes.

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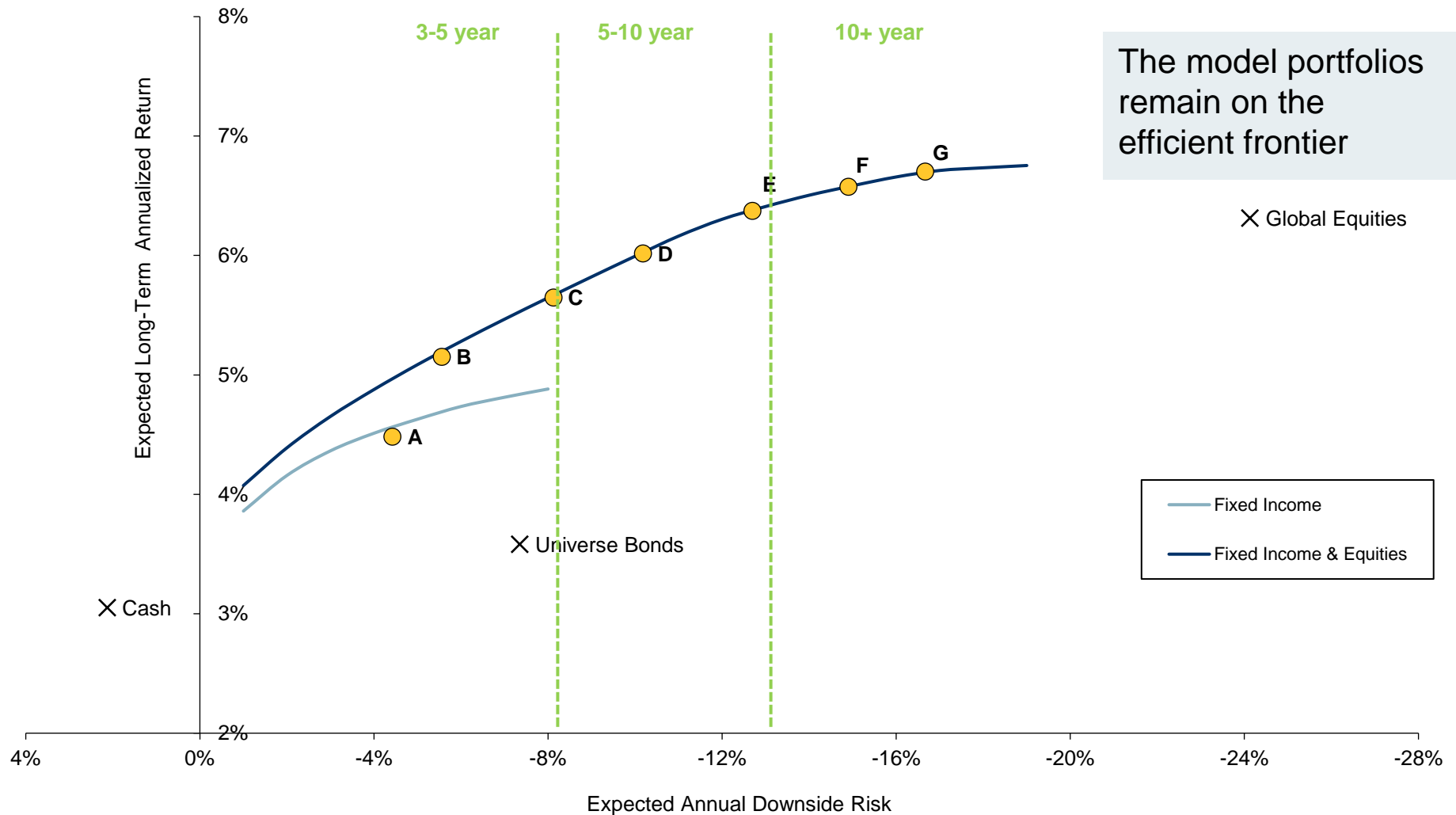
# 2024 Efficient Frontier analysis

## Model portfolios – no allocation to Alternatives



# 2025 Efficient Frontier analysis

## Model portfolios – no allocation to Alternatives



# Model portfolios – no Alternatives

## Risk/return metrics<sup>1</sup>

2025 Modeled Expectations <sup>1</sup>	A	B	C	D	E	F	G
Long-Term Return	4.5%	5.2%	5.6%	6.0%	6.4%	6.6%	6.7%
Annual Downside Risk <sup>2</sup>	-4.4%	-5.6%	-8.1%	-10.2%	-12.7%	-14.9%	-16.7%
Annual Volatility	3.3%	4.0%	5.2%	6.4%	7.6%	8.8%	9.9%
Sharpe Ratio	0.43	0.53	0.50	0.47	0.44	0.40	0.37

2024 Modeled Expectations <sup>1</sup>	A	B	C	D	E	F	G
Long-Term Return	5.0%	5.7%	6.1%	6.4%	6.8%	7.0%	7.1%
Annual Downside Risk <sup>2</sup>	-3.8%	-4.9%	-7.5%	-9.6%	-12.2%	-14.4%	-16.2%
Annual Volatility	3.3%	4.0%	5.2%	6.3%	7.6%	8.9%	10.0%
Sharpe Ratio	0.49	0.57	0.51	0.48	0.44	0.40	0.37

### Commentary

- Reduction in Long-Term Returns commensurate with lower expected returns for most asset classes
- Volatility tends to be stable because it is estimated based on long-term historical datasets
- Downside risk shifts with the change in Long-Term return.
- Reduction in Sharpe ratios for models A to D due to the risk-free return declining by less than the return on fixed income (due to changes in starting yield and forward curves).

<sup>1</sup> Refer to appendix for modeling assumptions and disclosures.

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# Model portfolios with Alternative asset classes

- We have also reviewed the model portfolios with alternative asset allocations
- Models D+ through G+ have a 5% allocation to each of Canadian Core Real Estate and Global Infrastructure
- These modest allocations continue to provide an attractive risk/return contribution to the model portfolios given the low correlation with public markets

Source: RBC GAM. For full asset class capital market assumptions, please refer to the Capital Markets Assumption table located further in this presentation.

# Existing model portfolios – with Alternatives

D+, E+ and F+ approved in November 2024 (G+ shown for illustration)

	A	B	C	D+	E+	F+	G+
<b>Fixed Income</b>	<b>100%</b>	<b>80%</b>	<b>70%</b>	<b>50%</b>	<b>40%</b>	<b>30%</b>	<b>20%</b>
Canadian Money Market	0%	0%	0%	0%	0%	0%	0%
Short-Term Bonds and Mortgages	50%	50%	35%	20%	20%	20%	20%
Corporate Bonds	20%	0%	0%	0%	0%	0%	0%
Private Placement Corporate Debt	5%	10%	10%	5%	0%	0%	0%
Commercial Mortgages*	5%	10%	10%	10%	10%	10%	0%
High Yield Bonds	5%	0%	0%	0%	0%	0%	0%
Global Multi-Asset Credit	15%	10%	15%	15%	10%	0%	0%
<b>Equities</b>	<b>0%</b>	<b>20%</b>	<b>30%</b>	<b>40%</b>	<b>50%</b>	<b>60%</b>	<b>70%</b>
Canadian Equities	0%	5%	7%	10%	15%	20%	35%
Canadian Low Volatility Equities	0%	5%	7%	10%	10%	10%	0%
U.S. Equities	0%	2%	4%	5%	5%	12%	15%
U.S. Low Volatility Equities	0%	2%	4%	5%	5%	0%	0%
International Equities	0%	6%	8%	10%	15%	18%	20%
<b>Alternatives</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>10%</b>	<b>10%</b>	<b>10%</b>	<b>10%</b>
Canadian Core Real Estate*	0%	0%	0%	5%	5%	5%	5%
Global Infrastructure*	0%	0%	0%	5%	5%	5%	5%

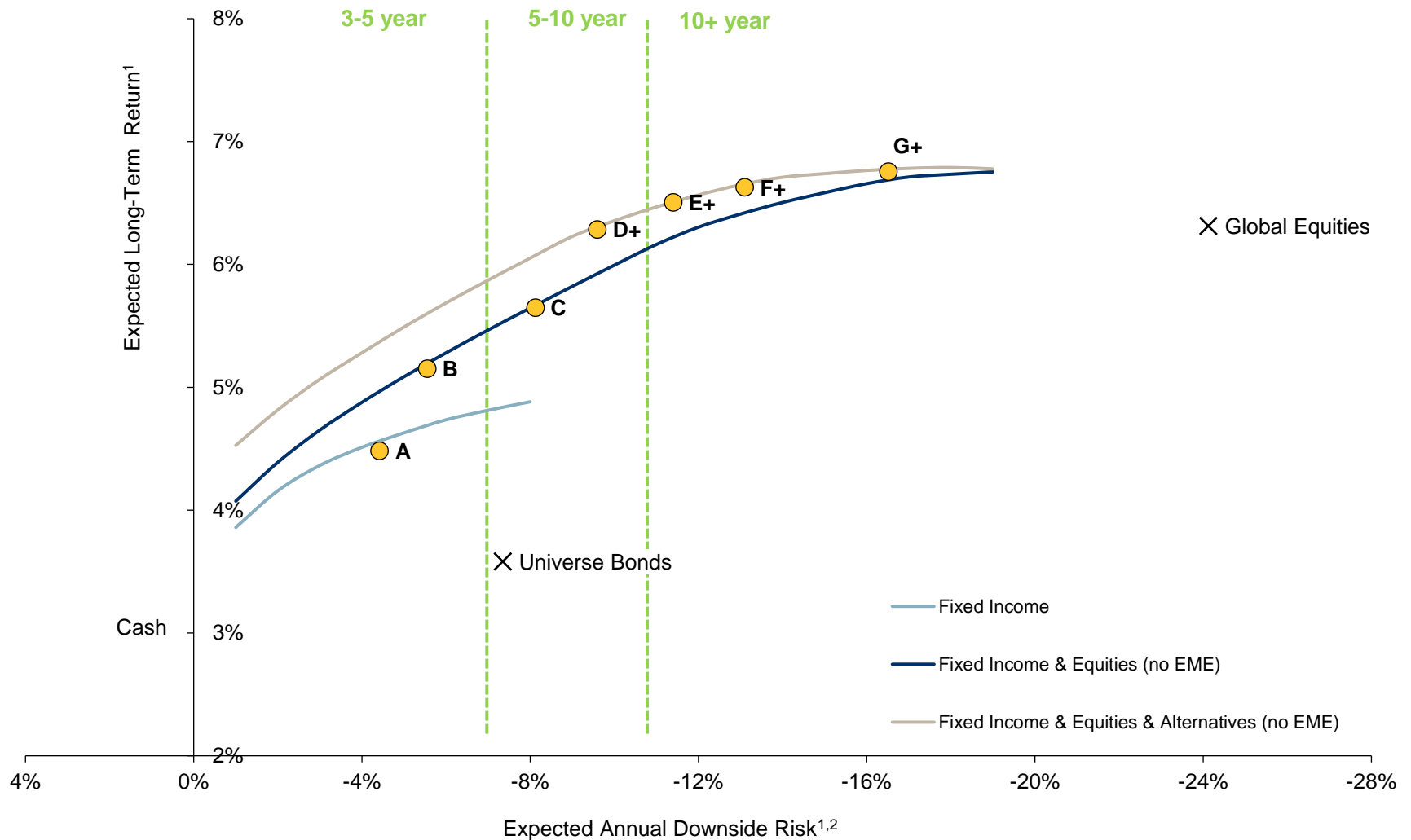
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# 2025 Efficient Frontier Analysis

## Model portfolios – with Alternatives



# Model portfolios – with Alternatives

## Risk/return metrics<sup>1</sup>

2025 Modeled Expectations <sup>1</sup>	A	B	C	D+	E+	F+	G+
Long-Term Return	4.5%	5.2%	5.6%	6.3%	6.5%	6.6%	6.8%
Annual Downside Risk <sup>2</sup>	-4.4%	-5.6%	-8.1%	-9.6%	-11.4%	-13.1%	-16.5%
Annual Volatility	3.3%	4.0%	5.2%	6.3%	7.3%	8.3%	10.2%
Sharpe Ratio	0.43	0.53	0.50	0.51	0.47	0.43	0.36

2024 Modeled Expectations <sup>1</sup>	A	B	C	D1	E1	F1	G1
Long-Term Return	5.0%	5.7%	6.1%	6.6%	6.9%	7.0%	7.1%
Annual Downside Risk <sup>2</sup>	-3.8%	-4.9%	-7.5%	-9.1%	-11.0%	-12.9%	-16.3%
Annual Volatility	3.3%	4.0%	5.2%	6.3%	7.3%	8.3%	10.3%
Sharpe Ratio	0.49	0.57	0.51	0.52	0.47	0.43	0.36

<sup>1</sup> Refer to appendix for modeling assumptions and disclosures.

<sup>2</sup> CVaR95 which represents the expected loss during the worst 5% of return outcomes.

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# New: Analyzing an allocation to EM equities

- Emerging market equities (EME) were initially excluded from list of eligible funds, based on a “walk before you run” approach to global equities
- We have done additional modelling including EME subject to the following constraints:
  - Included where the allocation to equities is 50% or greater
  - EME constrained to 10% of equity allocation
- The models allocate to the constrained level given the attractive risk/return characteristics of EME
- This modest allocation to EME provides modest improvements to the risk/return characteristics of the model portfolios
- See Appendix 3 – The case for Emerging Market Equities

# Model portfolios – with EM equities, no alternatives

## Detailed allocations and risk/return metrics

Modeled Expectations <sup>1</sup>	E	E with EME	F	F with EME	G	G with EME
Long-Term Return	6.38%	6.43%	6.58%	6.65%	6.70%	6.79%
Annual Downside Risk <sup>2</sup>	-12.7%	-12.6%	-14.9%	-14.8%	-16.7%	-16.6%
Annual Volatility	7.6%	7.6%	8.8%	8.8%	9.9%	9.8%
Sharpe Ratio	0.44	0.44	0.40	0.41	0.37	0.38
<b>Fixed Income</b>	<b>50%</b>	<b>50%</b>	<b>40%</b>	<b>40%</b>	<b>30%</b>	<b>30%</b>
Canadian Money Market	0%	0%	0%	0%	0%	0%
Short-Term Bonds and Mortgages	20%	20%	20%	20%	20%	20%
Corporate Bonds	0%	0%	0%	0%	0%	0%
Private Placement Corporate Debt	5%	7.5%	0%	0%	0%	0%
Commercial Mortgages*	10%	10%	10%	10%	10%	10%
High Yield Bonds	0%	0%	0%	0%	0%	0%
Global Multi-Asset Credit	15%	12.5%	10%	10%	0%	0%
<b>Equities</b>	<b>50%</b>	<b>50%</b>	<b>60%</b>	<b>60%</b>	<b>70%</b>	<b>70%</b>
Canadian Equities	15%	12.5%	25%	20%	35%	30%
Canadian Low Volatility Equities	10%	12.5%	5%	10%	0%	5%
U.S. Equities	5%	4%	6%	5%	7%	6%
U.S. Low Volatility Equities	5%	4%	6%	5%	7%	6%
International Equities	15%	12%	18%	14%	21%	16%
Emerging Market Equities	0%	5%	0%	6%	0%	7%
<b>Alternatives</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>
Canadian Core Real Estate*	0%	0%	0%	0%	0%	0%
Global Infrastructure*	0%	0%	0%	0%	0%	0%

<sup>1</sup> Refer to appendix for modeling assumptions and disclosures.

<sup>2</sup> CVaR95 which represents the expected loss during the worst 5% of return outcomes.

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# Model portfolios – with EM equities & alternatives

## Detailed allocations and risk/return metrics

Modeled Expectations <sup>1</sup>	E+	E+ with EME	F+	F+ with EME	G+	G+ & EME
Long-Term Return	6.51%	6.56%	6.63%	6.73%	6.76%	6.90%
Annual Downside Risk <sup>2</sup>	-11.4%	-11.3%	-13.1%	-13.0%	-16.5%	-16.7%
Annual Volatility	7.3%	7.2%	8.3%	8.2%	10.2%	10.2%
Sharpe Ratio	0.47	0.48	0.43	0.45	0.36	0.38
<b>Fixed Income</b>	<b>40%</b>	<b>40%</b>	<b>30%</b>	<b>30%</b>	<b>20%</b>	<b>20%</b>
Canadian Money Market	0%	0%	0%	0%	0%	0%
Short-Term Bonds and Mortgages	20%	20%	20%	20%	20%	20%
Corporate Bonds	0%	0%	0%	0%	0%	0%
Private Placement Corporate Debt	0%	2.5%	0%	0%	0%	0%
Commercial Mortgages*	10%	10%	10%	10%	0%	0%
High Yield Bonds	0%	0%	0%	0%	0%	0%
Global Multi-Asset Credit	10%	7.5%	0%	0%	0%	0%
<b>Equities</b>	<b>50%</b>	<b>50%</b>	<b>60%</b>	<b>60%</b>	<b>70%</b>	<b>70%</b>
Canadian Equities	15%	12.5%	20%	20%	35%	35%
Canadian Low Volatility Equities	10%	12.5%	10%	10%	0%	0%
U.S. Equities	5%	4%	12%	5%	15%	9%
U.S. Low Volatility Equities	5%	4%	0%	5%	0%	3%
International Equities	15%	12%	18%	14%	20%	16%
Emerging Market Equities	0%	5%	0%	6%	0%	7%
<b>Alternatives</b>	<b>10%</b>	<b>10%</b>	<b>10%</b>	<b>10%</b>	<b>10%</b>	<b>10%</b>
Canadian Core Real Estate*	5%	5%	5%	5%	5%	5%
Global Infrastructure*	5%	5%	5%	5%	5%	5%

<sup>1</sup> Refer to appendix for modeling assumptions and disclosures.

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# Comparison vs. Durham portfolios

# Durham portfolios

## Detailed allocations

	Durham 3-5	Durham 6-10	Durham 10+
<b>Fixed Income</b>	<b>100%</b>	<b>70%</b>	<b>70%</b>
Canadian Money Market	0%	0%	0%
Short-Term Bonds and Mortgages	50%	35%	17.5%
Enhanced Universe Bond Strategy	0%	0%	17.5%
Corporate Bonds	20%	0%	0%
Private Placement Corporate Debt	5%	10%	10%
Commercial Mortgages*	5%	10%	10%
High Yield Bonds	5%	0%	0%
Global Multi-Asset Credit	15%	15%	15%
<b>Equities</b>	<b>0%</b>	<b>30%</b>	<b>30%</b>
Canadian Equities	0%	7.5%	7.5%
Canadian Low Volatility Equities	0%	7.5%	7.5%
U.S. Equities	0%	5%	5%
U.S. Low Volatility Equities	0%	5%	5%
International Equities	0%	5%	5%
<b>Alternatives</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>
Canadian Core Real Estate*	0%	0%	0%
Global Infrastructure*	0%	0%	0%

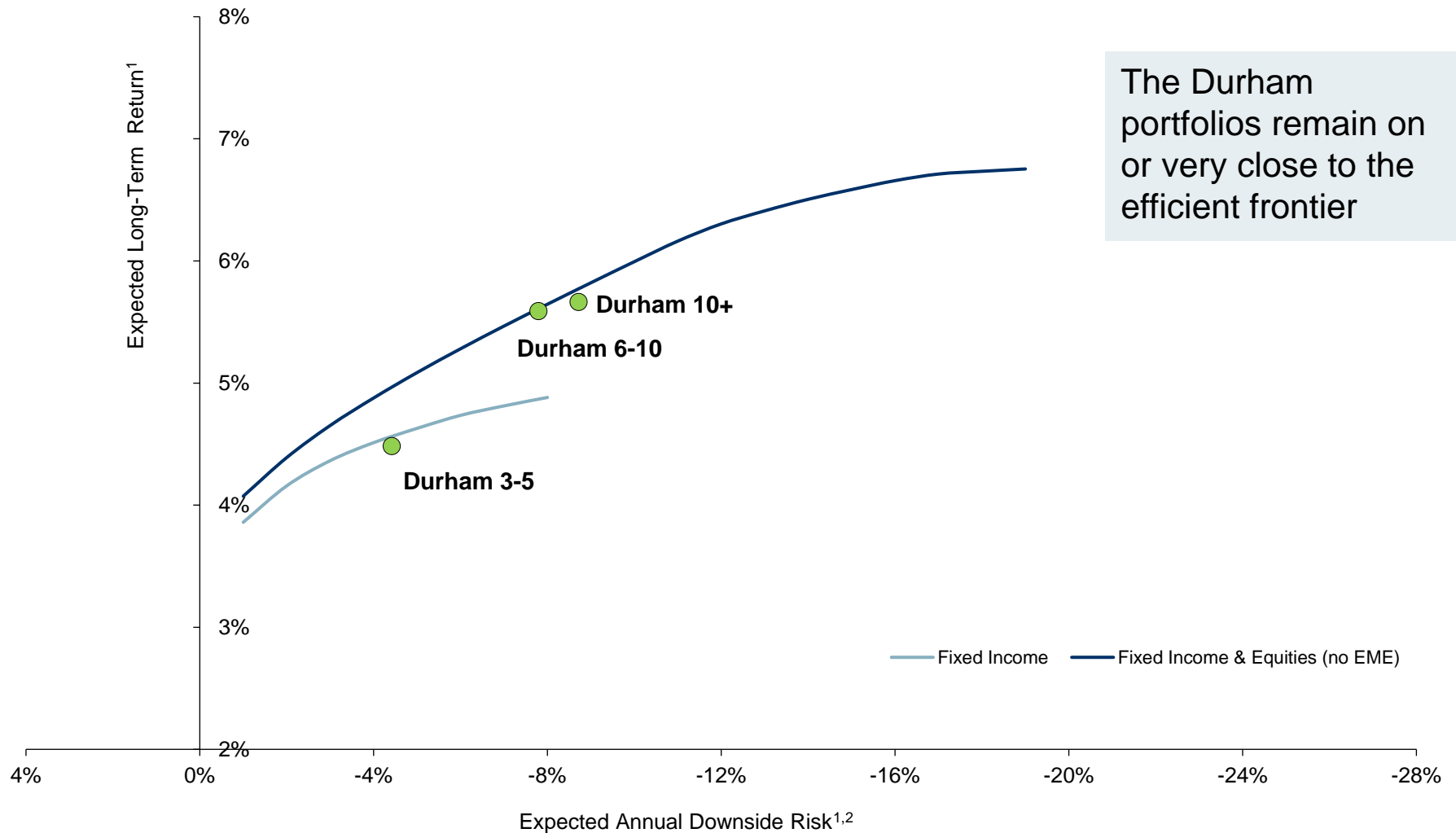
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# 2025 Efficient Frontier Analysis

## Custom modeled portfolios for Durham



# Durham portfolios

## Risk/return metrics

2025 Modeled Expectations <sup>1</sup>	Durham 3-5	Durham 6-10	Durham 10+
Long-Term Return	4.5%	5.6%	5.7%
Annual Downside Risk <sup>2</sup>	-4.4%	-7.8%	-8.7%
Annual Volatility	3.3%	5.2%	5.5%
Sharpe Ratio	0.43	0.49	0.47

2024 Modeled Expectations <sup>1</sup>	Durham 3-5	Durham 6-10	Durham 10+
Long-Term Return	5.0%	6.4%	6.5%
Annual Downside Risk <sup>2</sup>	-3.8%	-9.6%	-10.2%
Annual Volatility	3.3%	6.3%	6.6%
Sharpe Ratio	0.49	0.48	0.47

<sup>1</sup> Refer to appendix for modeling assumptions and disclosures.

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RBC Global Asset Management  
PH&N Institutional

# Fund fulfillment



# Fund fulfillment

	Approved Fund(s)	Characteristics
<b>Fixed Income</b>		
Canadian Money Market	PH&N Canadian Money Market Fund	Money market
Canadian Short-Term Bonds	<b>PH&amp;N Short Term Bond &amp; Mortgage Fund</b>	Canadian short-term fixed income
	RBC Vision Fossil Fuel Free Short Term Bond Fund	Canadian short-term fixed income with an ESG screen
Canadian Universe Bonds	PH&N Bond Fund	Canadian universe fixed income
	<b>PH&amp;N Enhanced Total Return Bond Fund</b>	Canadian universe fixed income
	RBC Vision Bond Fund	Canadian universe fixed income with an ESG screen
	RBC Vision Fossil Fuel Free Bond Fund	Canadian universe fixed income with an ESG screen
Canadian Corporate Bonds	<b>PH&amp;N Corporate Bond Trust</b>	Canadian corporate bonds
Private Placement Corporate Debt	<b>PH&amp;N Private Placement Corporate Debt Fund</b>	High quality Canadian private credit
	PH&N Mortgage Pension Trust	Canadian conventional commercial mortgages
Commercial Mortgages	<b>RBC Commercial Mortgage Fund</b>	Canadian conventional, conventional plus, and high yield commercial mortgages, and U.S. CMBS
High Yield Bonds	<b>RBC High Yield Bond Fund</b>	U.S. focused high yield bonds
	<b>PH&amp;N High Yield Bond Fund</b>	Canadian focused high yield bonds
Global Multi-Asset Credit	<b>BlueBay Total Return Credit Fund</b>	Global high yield, financial capital bonds, structured credit, global convertible bonds, EM hard currency debt, EM local currency debt, opportunistic, investment grade bonds.
Global Bonds	RBC Global Bond Fund	Global sovereign and other high-quality fixed income
	RBC Emerging Markets Bond Fund	EM sovereign and other high-quality fixed income

**Bold** indicates currently being used in implementation of model and/or Durham portfolios

# Fund fulfillment

	Approved Fund(s)	Characteristics
<b>Equities</b>		
Canadian Equities	<b>PH&amp;N Canadian Equity Value Fund</b>	Value
	<b>PH&amp;N Canadian Equity Fund</b>	Growth
	<b>RBC QUBE Canadian Equity Fund</b>	Quantitative core
	RBC Vision Canadian Equity Fund	Growth with ESG screen
Canadian Low Volatility Equities	<b>RBC QUBE Low Volatility Canadian Equity Fund</b>	Quantitative low volatility
	RBC Vision QUBE Fossil Fuel Free Low Volatility Canadian Equity Fund	Quantitative low volatility with an ESG screen
U.S. Equities	<b>PH&amp;N U.S. Equity Fund</b>	Core
	<b>RBC QUBE U.S. Equity Fund</b>	Quantitative core
U.S. Low Volatility Equities	<b>RBC QUBE Low Volatility U.S. Equity Fund</b>	Quantitative low volatility
International Equities	<b>RBC International Equity Fund</b>	Core
	<b>PH&amp;N Overseas Equity Fund</b>	Concentrated
Global Equities	RBC Global Equity Focus Fund	Concentrated
	RBC Global Equity Leaders Fund	Concentrated
	RBC Vision Global Equity Fund	Concentrated with an ESG screen
	RBC Vision Fossil Fuel Free Global Equity Fund	Concentrated with an ESG screen
Global Low Volatility Equities	RBC QUBE Global Equity Fund	Quantitative core
	<b>RBC QUBE Low Volatility Global Equity Fund</b>	Quantitative low volatility
<b>Alternatives</b>		
Real Estate	<b>RBC Canadian Core Real Estate Fund</b>	Canadian commercial real estate
Infrastructure	<b>RBC Global Infrastructure Fund</b>	Global infrastructure

***Bold** indicates currently being used in implementation of model and/or Durham portfolios*

# Appendix 1: Capital market assumptions

# Capital market assumptions – Q2 2025

## Expected risk and return

Asset Classes	Representative Data Series	Expected Long-Term Return	Expected Annual Volatility	Expected Annual Downside Risk
Cash	FTSE Canada 30 Day TBill Index	3.1%	0.4%	2.1%
Universe Bonds	FTSE Canada Universe Bond Index	3.6%	5.0%	-7.3%
Canadian Money Market	PH&N Canadian Money Market Strategy	3.2%	1.0%	1.3%
Short-Term Bonds and Mortgages	Custom Index <sup>1</sup>	3.6%	2.4%	-1.6%
Enhanced Universe Bond Strategy	Custom Index <sup>2</sup>	4.0%	5.1%	-7.7%
Corporate Bonds	Custom Index <sup>3</sup>	4.1%	4.4%	-6.4%
Private Placement Corporate Debt	Custom Index <sup>4</sup>	5.1%	5.3%	-8.0%
Commercial Mortgages*	Custom Index <sup>5</sup>	6.5%	3.3%	-6.4%
Global Sovereign Bonds	Custom Index <sup>6</sup>	3.3%	4.1%	-5.3%
High Yield Bonds	ICE BofA US High Yield Master II (CAD-Hedged)	5.6%	9.5%	-16.8%
Broad EMD	Custom Index <sup>7</sup>	5.2%	10.6%	-15.2%
Global Multi-Asset Credit	Custom Index <sup>8</sup>	6.4%	8.2%	-16.8%
Canadian Equities	S&P/TSX Composite Index	7.4%	16.8%	-26.1%
Canadian Low Volatility Equities	RBC QUBE Low Volatility Canadian Equity Strategy	6.7%	12.8%	-15.2%
U.S. Equities	S&P 500 Index (CAD)	5.6%	14.7%	-23.4%
U.S. Low Volatility Equities	RBC QUBE Low Volatility U.S. Equity Strategy (CAD)	5.0%	13.1%	-16.3%
International Equities	MSCI EAFE Index (CAD)	7.8%	16.2%	-28.8%
Global Equities	MSCI World Index (CAD)	6.3%	14.3%	-24.1%
Emerging Market Equities	MSCI Emerging Markets (EM) Index (CAD)	8.3%	20.8%	-32.6%
Canadian Core Real Estate*	RBC Canadian Core Real Estate Strategy	6.3%	9.6%	-13.1%
Global Infrastructure*	EDHEC Infra 300 Index (Local)	6.7%	12.2%	-17.7%
Inflation	Canadian CPI (Non-Seasonally Adjusted)	2.3%	1.5%	N/A

Please see disclosures on the following slide.

# Capital market assumptions – Q2 2025

## Disclosures

Capital market assumptions represent the views of PH&N Institutional for the purposes of illustrating and understanding the potential risk-reward trade-off of different portfolio decisions and are established by considering a variety of qualitative and quantitative sources of information including: different forecasting models; internal and external research; existing and implied future conditions as priced by capital markets; and internal views of our fund managers. Expected long term annualized returns are for a 10-year forecast time horizon. Volatilities, downside risk and correlations are estimated from historical data and adjusted as required to reflect future market conditions. Investors should be aware of the limitations using forward-looking assumptions in that there is absolutely no guarantee that future performance will occur according to any ex-ante expectation.

\* Expected return net of fees

<sup>1</sup> 49% FTSE Canada Short Term Government Bond Index, 45% FTSE Canada Short Term Corporate Bond Index and 6% PH&N Mortgage Strategy.

<sup>2</sup> 12.5% FTSE Canada Federal Bond Index, 32.5% FTSE Canada Provincial Bond Index, 45% FTSE Canada All Corporate Bond Index, 7.5% PH&N Mortgage Strategy and 2.5% ICE BofA US High Yield Master II (CAD-H).

<sup>3</sup> 25% FTSE Canada Corporate AA+ Bond Index , 25% FTSE Canada Corporate A Bond Index and 50% FTSE Canada Corporate BBB Bond Index.

<sup>4</sup> 97% FTSE Canada Mid Term Federal and 3% FTSE Canada Long Term Federal Bond Index + 50% FTSE Canada Short Term Corporate Bond Index (spread) and 50% FTSE Canada Mid Term Corporate Bond Index (spread).

<sup>5</sup> 39% PH&N Mortgage Strategy and 61% PH&N High Yield Mortgage Strategy.

<sup>6</sup> 90% ICE BofA Global Government Index (CAD-H), 3% ICE BofA US High Yield Master II (CAD-H), 2.5% J.P. Morgan Emerging Market Bond Index (CAD-H), 2.5% J.P. Morgan Corporate Emerging Markets Bond Index (CAD-H) and 2% RBC Emerging Markets Foreign Exchange Strategy.

<sup>7</sup> 22% J.P. Morgan Emerging Market Bond Index (CAD-H), 16% J.P. Morgan Corporate Emerging Markets Bond Index (CAD-H) and 62% J.P. Morgan Government Bond Index-Emerging Markets (GBI-EM) (CAD-H) (weights according to the market capitalization of each individual index as at March 31, 2025).

<sup>8</sup> 7.5% ICE BofA 3 Month US T-Bills (CAD-H), 35% ICE BofA Global High Yield Index (CAD-H), 11.25% J.P. Morgan Emerging Market Bond Index (CAD-H), 11.25% J.P. Morgan Corporate Emerging Markets Bond Index (CAD-H), 7.5% J.P. Morgan Government Bond Index-Emerging Markets (GBI-EM) (CAD-H), 7.5% Credit Suisse Leveraged Loan Index (CAD-H) and 20% Thomson Reuters Convertible Global Focus Index (CAD-H).

# Capital market assumptions – Q2 2025

## Correlations

Correlations																					
	Cash	Universe Bonds	Canadian Money Market	Short-Term Bonds and Mortgages	Enhanced Universe Bond Strategy	Corporate Bonds	Private Placement Corporate Debt	Commercial Mortgages	Global Sovereign Bonds	High Yield Bonds	Broad EMD	Global Multi-Asset Credit	Canadian Equities	Canadian Low Volatility Equities	U.S. Equities	U.S. Low Volatility Equities	International Equities	Global Equities	Emerging Market Equities	Canadian Core Real Estate	Global Infrastructure
Cash	1																				
Universe Bonds	0.1	1																			
Canadian Money Market	1.0	0.1	1																		
Short-Term Bonds and Mortgages	0.2	0.9	0.2	1																	
Enhanced Universe Bond Strategy	0.1	1.0	0.1	0.9	1																
Corporate Bonds	0.1	0.9	0.1	0.8	1.0	1															
Private Placement Corporate Debt	0.1	1.0	0.1	0.9	1.0	1.0	1														
Commercial Mortgages	0.2	0.7	0.2	0.7	0.7	0.7	0.7	1													
Global Sovereign Bonds	0.1	0.9	0.1	0.8	0.8	0.7	0.8	0.6	1												
High Yield Bonds	-0.1	0.3	-0.1	0.2	0.4	0.5	0.4	0.2	0.2	1											
Broad EMD	0.0	0.4	0.0	0.3	0.5	0.5	0.4	0.3	0.4	0.7	1										
Global Multi-Asset Credit	0.0	0.3	0.0	0.3	0.5	0.5	0.4	0.2	0.3	0.9	0.9	1									
Canadian Equities	-0.1	0.1	-0.1	0.0	0.3	0.3	0.2	0.1	0.1	0.7	0.6	0.8	1								
Canadian Low Volatility Equities	0.0	0.3	0.0	0.1	0.4	0.4	0.3	0.2	0.2	0.6	0.5	0.6	0.8	1							
U.S. Equities	-0.1	0.2	-0.1	0.1	0.2	0.3	0.2	0.1	0.0	0.5	0.3	0.4	0.6	0.6	1						
U.S. Low Volatility Equities	0.0	0.3	-0.1	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.2	0.3	0.5	0.7	1					
International Equities	0.0	0.2	0.0	0.2	0.3	0.3	0.3	0.2	0.1	0.6	0.5	0.6	0.7	0.6	0.8	0.5	1				
Global Equities	-0.1	0.2	-0.1	0.1	0.3	0.3	0.2	0.2	0.1	0.5	0.4	0.5	0.7	0.6	1.0	0.6	0.9	1			
Emerging Market Equities	0.0	0.2	0.0	0.1	0.3	0.3	0.2	0.1	0.1	0.6	0.7	0.7	0.6	0.5	0.5	0.3	0.7	0.6	1		
Canadian Core Real Estate	0.0	-0.2	0.0	-0.3	-0.2	-0.3	-0.2	-0.2	-0.2	-0.2	-0.1	-0.1	-0.1	0.0	-0.1	0.0	0.0	-0.1	-0.1	1	
Global Infrastructure	0.0	0.4	0.0	0.3	0.4	0.3	0.4	0.3	0.5	0.1	0.2	0.1	0.0	0.2	0.0	0.2	0.1	0.0	0.0	0.3	1

Capital market assumptions represent the views of PH&N Institutional for the purposes of illustrating and understanding the potential risk-reward trade-off of different portfolio decisions and are established by considering a variety of qualitative and quantitative sources of information including: different forecasting models; internal and external research; existing and implied future conditions as priced by capital markets; and internal views of our fund managers. Expected long term annualized returns are for a 10 year forecast time horizon. Volatilities, downside risk and correlations are estimated from historical data and adjusted as required to reflect future market conditions. Investors should be aware of the limitations using forward-looking assumptions in that there is absolutely no guarantee that future performance will occur according to any ex-ante expectation.

# Capital market assumptions – Q2 2024

## Expected risk and returns

Asset Classes	Representative Data Series	Expected Long-Term Return	Expected Annual Volatility	Expected Annual Downside Risk
Cash	FTSE Canada 30 Day TBill Index	3.4%	0.4%	2.5%
Universe Bonds	FTSE Canada Universe Bond Index	4.1%	5.0%	-6.8%
Canadian Money Market	PH&N Canadian Money Market Strategy	3.5%	0.9%	1.7%
Short-Term Bonds and Mortgages	Custom Index <sup>1</sup>	4.2%	2.4%	-0.9%
Enhanced Universe Bond Strategy	Custom Index <sup>2</sup>	4.6%	5.2%	-7.2%
Corporate Bonds	Custom Index <sup>3</sup>	4.7%	4.5%	-5.8%
Private Placement Corporate Debt	Custom Index <sup>4</sup>	5.7%	5.5%	-7.8%
Commercial Mortgages*	Custom Index <sup>5</sup>	7.0%	3.1%	-5.0%
Global Sovereign Bonds	Custom Index <sup>6</sup>	3.8%	4.1%	-4.7%
High Yield Bonds	ICE BofA US High Yield Master II (CAD-Hedged)	5.9%	9.8%	-16.2%
Broad EMD	Custom Index <sup>7</sup>	5.7%	10.5%	-14.2%
Global Multi-Asset Credit	Custom Index <sup>8</sup>	6.8%	8.4%	-16.2%
Canadian Equities	S&P/TSX Composite Index	8.2%	16.9%	-26.1%
Canadian Low Volatility Equities	RBC QUBE Low Volatility Canadian Equity Strategy	7.4%	11.7%	-15.1%
U.S. Equities	S&P 500 Index (CAD)	5.5%	14.8%	-23.4%
U.S. Low Volatility Equities	RBC QUBE Low Volatility U.S. Equity Strategy (CAD)	4.9%	12.8%	-15.8%
International Equities	MSCI EAFE Index (CAD)	7.6%	16.5%	-28.5%
Global Equities	MSCI World Index (CAD)	6.2%	14.4%	-24.1%
Canadian Core Real Estate*	RBC Canadian Core Real Estate Strategy	6.3%	9.6%	-13.1%
Global Infrastructure*	EDHEC Infra 300 Index (Local)	6.7%	12.2%	-17.7%
Inflation	Canadian CPI (Non-Seasonally Adjusted)	2.3%	1.5%	N/A

Please see disclosures on the following slide.

# Capital market assumptions

## Comparison of year-over-year expected returns

Asset Classes	Representative Data Series	2025 Expected Long-Term Return	2024 Expected Long-Term Return	Difference
Cash	FTSE Canada 30 Day TBill Index	3.1%	3.4%	-0.4%
Universe Bonds	FTSE Canada Universe Bond Index	3.6%	4.1%	-0.6%
Canadian Money Market	PH&N Canadian Money Market Strategy	3.2%	3.5%	-0.3%
Short-Term Bonds and Mortgages	Custom Index <sup>1</sup>	3.6%	4.2%	-0.6%
Enhanced Universe Bond Strategy	Custom Index <sup>2</sup>	4.0%	4.6%	-0.6%
Corporate Bonds	Custom Index <sup>3</sup>	4.1%	4.7%	-0.6%
Private Placement Corporate Debt	Custom Index <sup>4</sup>	5.1%	5.7%	-0.6%
Commercial Mortgages*	Custom Index <sup>5</sup>	6.5%	7.0%	-0.6%
Global Sovereign Bonds	Custom Index <sup>6</sup>	3.3%	3.8%	-0.5%
High Yield Bonds	ICE BofA US High Yield Master II (CAD-Hedged)	5.6%	5.9%	-0.3%
Broad EMD	Custom Index <sup>7</sup>	5.2%	5.7%	-0.5%
Global Multi-Asset Credit	Custom Index <sup>8</sup>	6.4%	6.8%	-0.3%
Canadian Equities	S&P/TSX Composite Index	7.4%	8.2%	-0.8%
Canadian Low Volatility Equities	RBC QUBE Low Volatility Canadian Equity Strategy	6.7%	7.4%	-0.7%
U.S. Equities	S&P 500 Index (CAD)	5.6%	5.5%	0.1%
U.S. Low Volatility Equities	RBC QUBE Low Volatility U.S. Equity Strategy (CAD)	5.0%	4.9%	0.1%
International Equities	MSCI EAFE Index (CAD)	7.8%	7.6%	0.2%
Global Equities	MSCI World Index (CAD)	6.3%	6.2%	0.1%
Emerging Market Equities	MSCI Emerging Markets (EM) Index (CAD)	8.3%	8.2%	0.1%
Canadian Core Real Estate*	RBC Canadian Core Real Estate Strategy	6.3%	6.3%	0.0%
Global Infrastructure*	EDHEC Infra 300 Index (Local)	6.7%	6.7%	0.0%
Inflation	Canadian CPI (Non-Seasonally Adjusted)	2.3%	2.3%	0.0%

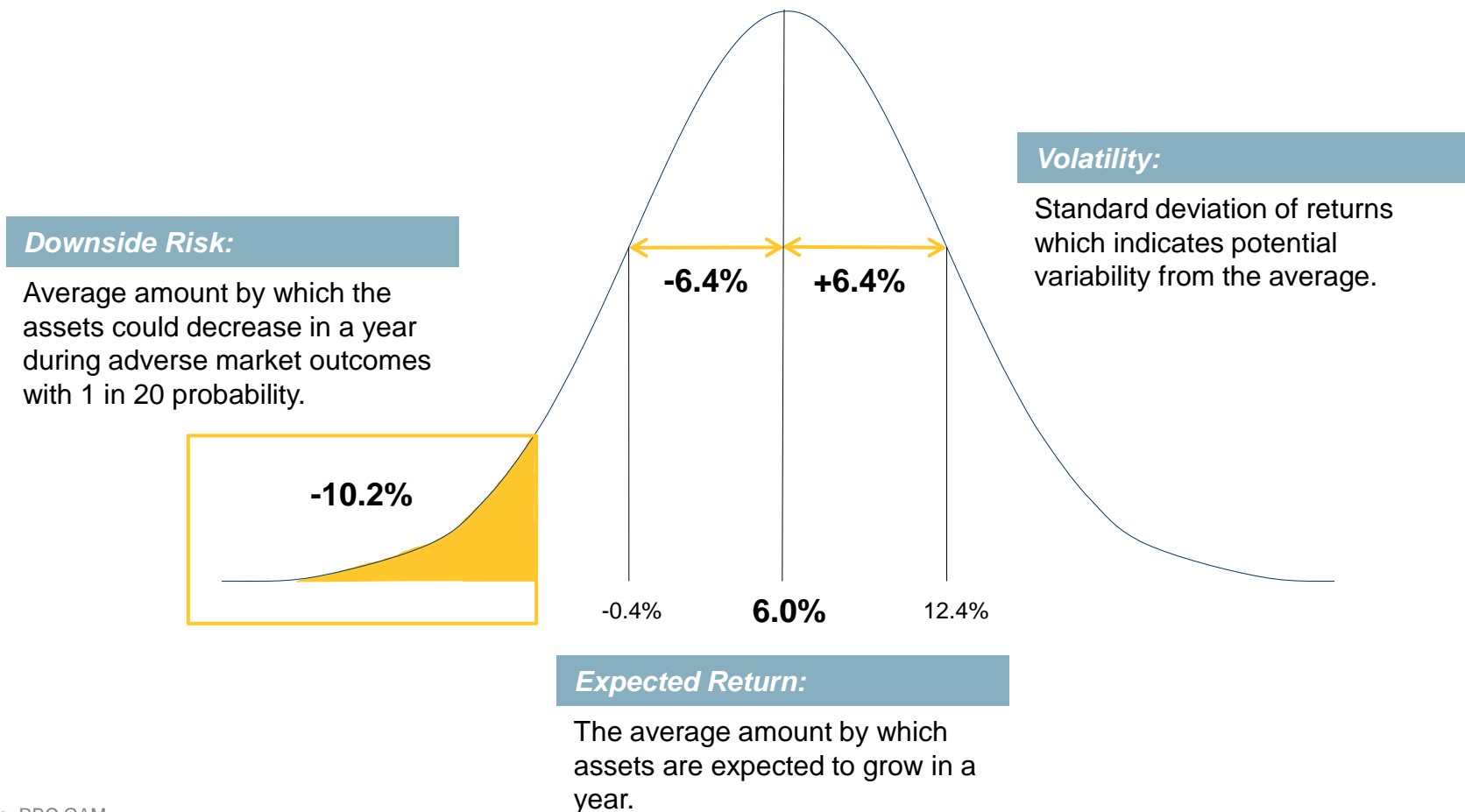
Please see disclosures on the following slide.

# Understanding the statistics

## Example – Portfolio D (2025 results)

Current Portfolio	
Expected Return	6.0%
Downside Risk	-10.2%
Volatility	6.4%

### Return Distribution



Source: RBC GAM.

# Appendix 2: Capital market assumptions - background

# Long-term assumptions for strategic portfolio modeling

## Overview

The RBC Global Asset Management Long-Term Expected Return (LTER) Committee, led by the CIO, is ultimately responsible for approving best estimate return assumptions

Capital market assumptions are established by considering a variety of qualitative and quantitative sources of information including:



Different forecasting models



Internal and external research



Existing and implied future conditions as priced by capital markets



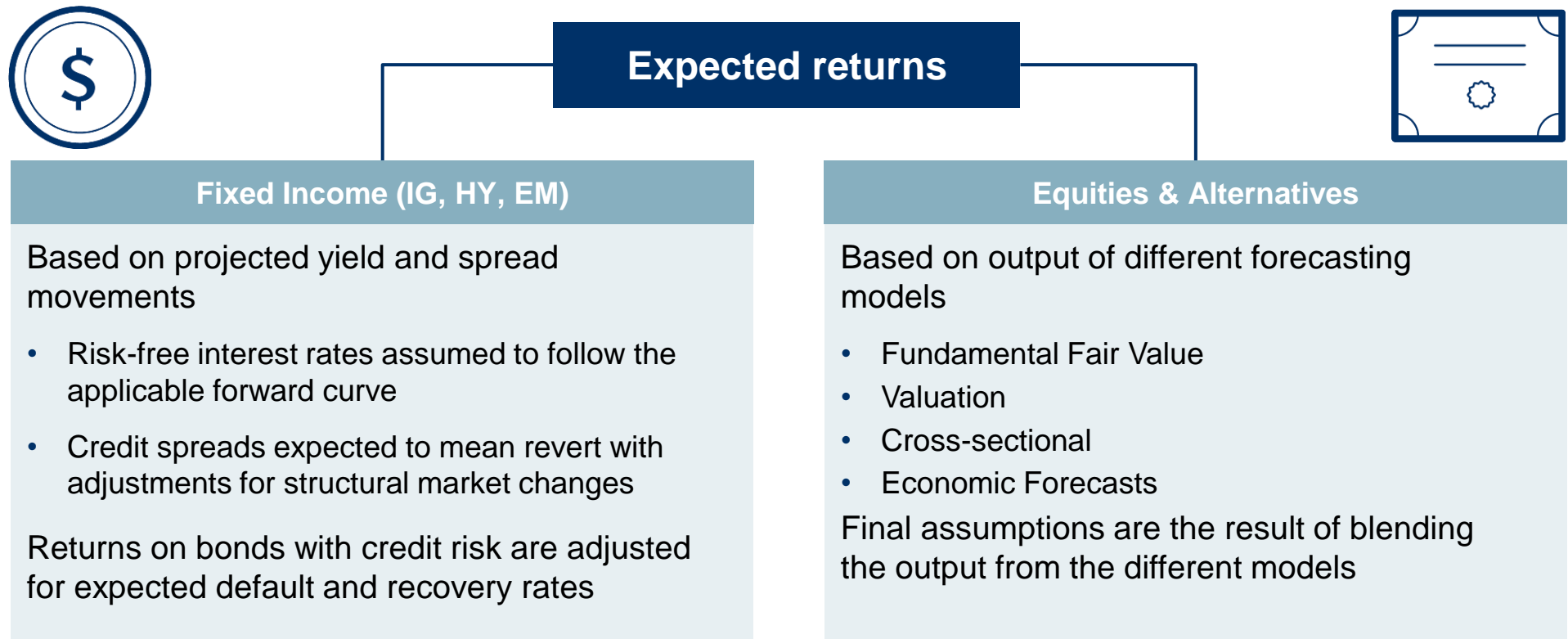
Internal views of our fund managers

Volatilities, downside risk and correlations are estimated from historical data and adjusted as required to reflect future market conditions

# Long-term assumptions for strategic portfolio modeling

## Framework and methodology (return)

### Systematic process with multiple sources of information



The RBC Global Asset Management Long-Term Expected Return (LTER) Committee is ultimately responsible for approving best estimate return assumptions

# Long-term assumptions for strategic portfolio modeling

## Framework and methodology (risk)

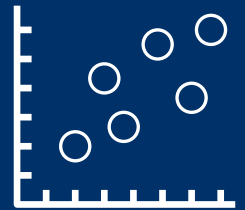
**Volatilities and correlations are estimated from historical data and adjusted as required to reflect expected future conditions**

### Volatilities



Calibrated using a dual-state regime switching lognormal model that better captures empirical characteristics and inherent asset class risk

### Correlations



Calibrated from empirical distribution at monthly and/or quarterly frequencies

Model generated estimates of downside risk (i.e. CVaR 95) account for the influence of excess skewness and kurtosis

# Long-term assumptions for strategic portfolio modeling

- The views of fund managers are incorporated throughout the process and adjustments are made when deemed necessary
- Most assumptions are for generic asset class representations (e.g. market indices)
  - No provision for explicit added value over a benchmark
  - No provision for specific manager investment style that may affect risk
- Expected structural biases and/or fund data are sometimes incorporated when modeling a specific strategy that does not have a sufficiently representative benchmark
- All alternatives are assumed to be net of IMFs (unless otherwise specified)



# Appendix 3: The case for Emerging Market Equities

# EM offers strong growth and key diversification benefits



## Emerging markets have become the driver of global growth

- Emerging markets (EM) accounts for over 40% of world GDP growth and nearly all “new” consumers to global markets are coming from EM countries.
- The companies that will benefit most from this growth are in domestic EM financial, consumer, and health businesses.



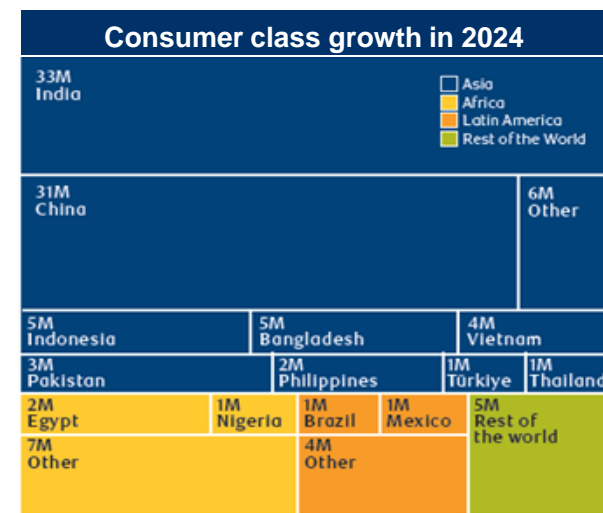
## Despite this, EM is trading at historically cheap valuations

- EM performance has historically come in long cycles of over/underperformance relative to developed markets (DM), and many key valuation metrics for EM appear at or near historic lows.
- This current downcycle has been driven by a strong USD, a narrowing of earnings growth between EM and DM, and high concentration of China in the EM index - these factors are now reversing in favour of EM.



## Diversification benefits from adding EM to ONE’s current portfolio

- ✓ **EM offers important diversification benefits to ONE’s existing equity blend**, particularly when compared with the non-U.S. DM allocation (“EAFE”).
- ✓ For example, the EM index is now dominated by “new economy” companies, such as semi-conductors, software, and “green” technology (solar, EVs).



**Technology and Consumer sectors as % of EM market cap**

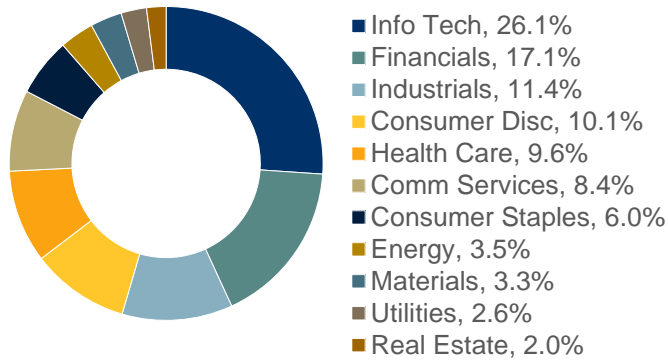


Source: Bloomberg, as at March 2025.

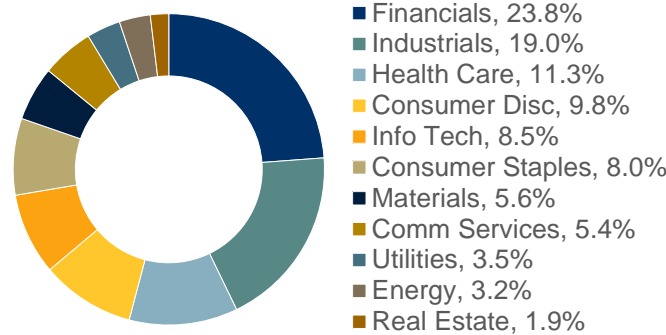
# Comparing the World, EAFE and EME indices

Blending offers diversification benefits across sectors and countries

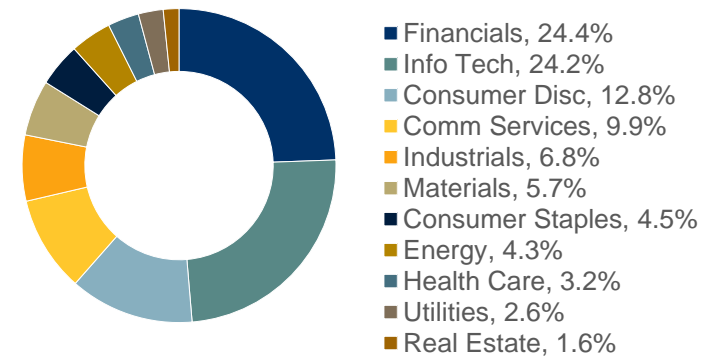
MSCI World Sectors by % Weight



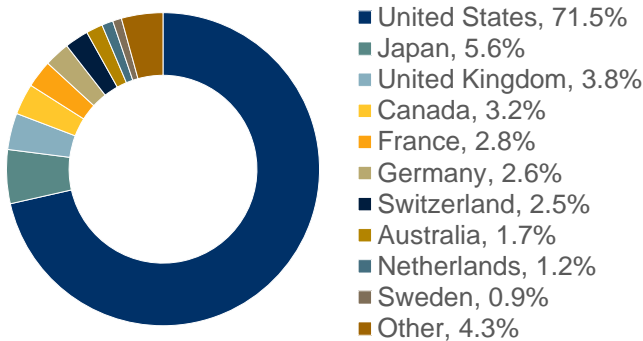
MSCI EAFE Sectors by % Weight



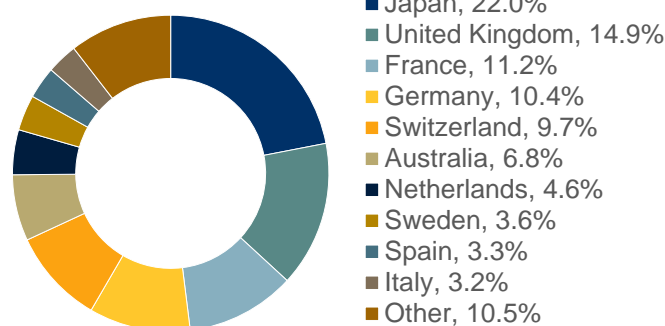
MSCI EME Sectors by % Weight



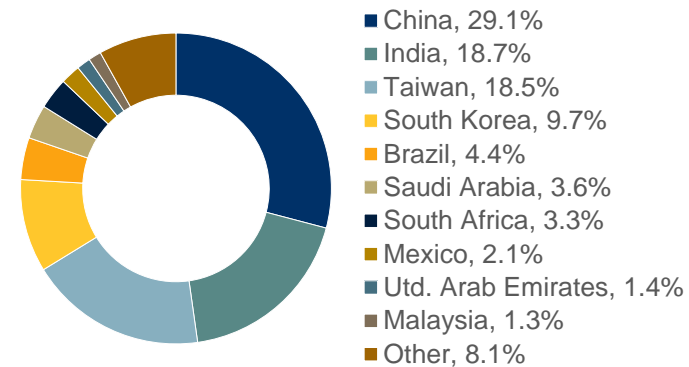
MSCI World Countries by % Weight



MSCI EAFE Countries by % Weight



MSCI EME Countries by % Weight



# Appendix 4: Emerging Market Equities Fund Fulfillment

# Recommended Emerging Market Equity funds

- We would implement using a 50%/50% blend of the following two funds:
  - RBC Emerging Markets Equity Fund
  - RBC Emerging Markets Dividend Fund
- These funds would have to be added to the list of approved funds in the Investment Management Agreement
- Further information on these funds in the following slides

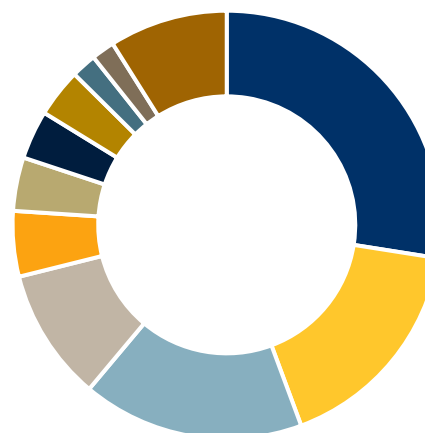
# RBC Emerging Markets Equity Fund

Focus on core with a high-quality bias

Returns as of July 31, 2025	YTD	1 Yr	2 Yr	3 Yr	4 Yr	5 Yr	10 Yr
<b>RBC Emerging Markets Equity Fund</b>	<b>11.45</b>	<b>14.67</b>	<b>12.66</b>	<b>15.28</b>	<b>6.71</b>	<b>7.40</b>	<b>7.46</b>
<i>MSCI Emerging Markets Net Index C\$</i>	<i>12.97</i>	<i>17.28</i>	<i>14.37</i>	<i>13.34</i>	<i>4.53</i>	<i>6.07</i>	<i>6.42</i>
<i>Difference</i>	<i>-1.52</i>	<i>-2.61</i>	<i>-1.71</i>	<i>+1.94</i>	<i>+2.18</i>	<i>+1.33</i>	<i>+1.04</i>

Top 10 Holdings	Sector	Portfolio (%)
Taiwan Semiconductor	Info Tech	8.9
HDFC Bank	Financials	6.9
Tencent	Communications	5.7
Antofagasta	Materials	3.7
Tata Consultancy	Info Tech	3.3
Mahindra & Mahindra	Consumer Disc	3.2
Samsung	Info Tech	3.2
AIA Group	Financials	3.1
HKEX	Financials	3.1
SK Hynix	Info Tech	2.9

## Breakdown by region



	# of securities	Dividend yield
RBC Emerging Markets Equity Fund	54	2.0%
MSCI Emerging Markets Index	1203	2.5%

Series O, Performance is in Canadian dollars (CAD) and gross of fees, as of July 31, 2025. Periods less than one year are not annualized. Asset allocation and holdings as of June 30, 2025. Note: Past returns are not indicative of future performance. Since Inception: December 31, 2009. The yield shown is calculated based the average dividend yield of the stocks held by the fund.



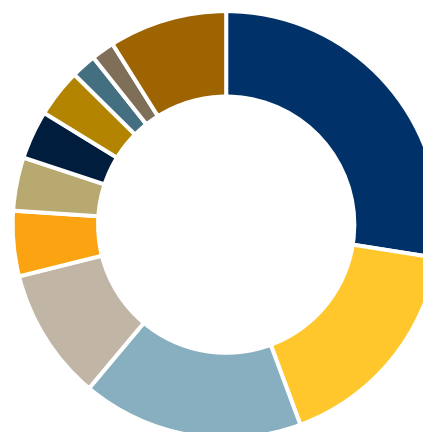
# RBC Emerging Markets Dividend Fund

Focus on value and dividends

Returns as of July 31, 2025	YTD	1 Yr	2 Yr	3 Yr	4 Yr	5 Yr	10 Yr
<b>RBC Emerging Markets Dividend Fund</b>	<b>18.54</b>	<b>21.34</b>	<b>15.91</b>	<b>16.71</b>	<b>6.79</b>	<b>11.50</b>	<b>8.48</b>
<i>MSCI Emerging Markets (Net) Total Return Index (CDN\$)</i>	<i>12.97</i>	<i>17.28</i>	<i>14.37</i>	<i>13.34</i>	<i>4.53</i>	<i>6.07</i>	<i>6.42</i>
<i>Difference</i>	<i>+5.57</i>	<i>+4.06</i>	<i>+1.54</i>	<i>+3.37</i>	<i>+2.26</i>	<i>+5.43</i>	<i>+2.06</i>

Top 10 Holdings	Sector	Portfolio (%)
Taiwan Semiconductor	Info Tech	9.2
Naspers	Consumer Disc	4.7
Alibaba	Consumer Disc	4.4
Samsung	Info Tech	3.3
HDFC Bank	Financials	2.9
China Merchants Bank	Financials	2.8
Axis Bank	Financials	2.6
Redington India	Info Tech	2.4
Ping An Insurance Group	Financials	2.2
Shriram Finance	Financials	2.0

## Breakdown by region



- China/HK, 27.5%
- India, 16.9%
- Taiwan, 16.8%
- South Korea, 10.0%
- South Africa, 4.9%
- Brazil, 4.0%
- Chile, 3.7%
- Mexico, 3.7%
- Indonesia, 1.9%
- Peru, 1.7%
- Other, 8.9%

	# of securities	Dividend yield
RBC Emerging Markets Dividend Fund	80	2.6%
MSCI Emerging Markets Index	1203	2.5%

Series O, Performance is in Canadian dollars (CAD) and gross of fees, as of July 31, 2025. Periods less than one year are not annualized. Asset allocation and holdings as of June 30, 2025. Note: Past returns are not indicative of future performance. Since Inception: June 10, 2013. The yield shown is calculated based the average dividend yield of the stocks held by the fund.

# RBC GAM Emerging Markets Equity capabilities

London, UK-based EM team manages over U.S.\$19bln

	EM Core Equity	EM Small Cap Equity	EM Equity Focus	EM Fossil Fuel Free Equity	EM ex-China Equity	EM Value Equity
Lead manager	Philippe Langham	Guido Giammattei	Christoffer Enemaerke Philippe Langham	Philippe Langham	Philippe Langham Veronique Erb Ashna Yarashi-Shah	Laurence Bensafi
AUM	US\$ 16,932 m	US\$ 624 m	US\$ 2,156 m	US\$ 132 m	US\$ 566 m	US\$ 1,431 m
Benchmark	MSCI Emerging Markets Net Index	MSCI Emerging Markets Small Cap Net Index	MSCI Emerging Markets Net Index	MSCI Emerging Markets Net Index	MSCI Emerging Markets ex-China Net Index	MSCI Emerging Markets Net Index
Objectives	3% outperformance of benchmark before fees	3% outperformance of benchmark before fees	3.5% outperformance of benchmark before fees	3% outperformance of benchmark before fees	3% outperformance of benchmark before fees	3% outperformance of benchmark before fees
Strategy launch	April 2010	July 2013	December 2018	January 2022	March 2020	July 2013
Vehicles	Segregated Account, SICAV, US '40 Act Fund, US 3C7, Canadian Mutual Fund	Segregated Account, SICAV, Canadian Mutual Fund	Segregated Account, SICAV, US 3C7, CIT, Canadian Mutual Fund	London	Segregated Account, SICAV, US 3C7, US '40 Act Fund, Canadian Mutual Fund	Segregated Account, SICAV, US '40 Act Fund, Canadian Mutual Fund
Team location	London	London	London	EM Fossil Fuel Free Equity	London	London

As at 30.06.2025.

AUM includes all accounts managed in this strategy, this includes accounts which do not appear in the composite.

# RBC GAM Emerging Markets investment team

Centralized, diverse, research-focused



**Philippe Langham**  
**Head of Emerging Markets Equity**  
33 years of experience



**Laurence Bensafi**  
**Deputy Head of Emerging Markets Equity**  
27 years of experience



**Guido Giammattei**  
**Portfolio Manager**  
Taiwan & CEE<sup>1</sup>  
27 years of experience



**Veronique Erb**  
**Portfolio Manager**  
Southeast Asia & Saudi Arabia  
25 years of experience



**Richard Farrell**  
**Portfolio Manager**  
China  
20 years of experience



**Christoffer Enemaerke**  
**Portfolio Manager**  
Latin America  
15 years of experience



**Ashna Yarashi-Shah**  
**Portfolio Manager**  
India subcontinent  
13 years of experience



**James Bateson**  
**Portfolio Engineer**  
8 years of experience



**Angel Su**  
**Associate Portfolio Manager**  
China  
6 years of experience



**Will Hayes**  
**Senior Analyst**  
South Africa & Korea  
10 years of experience



**Miya Tailor**  
**Associate Analyst**  
2 years of experience

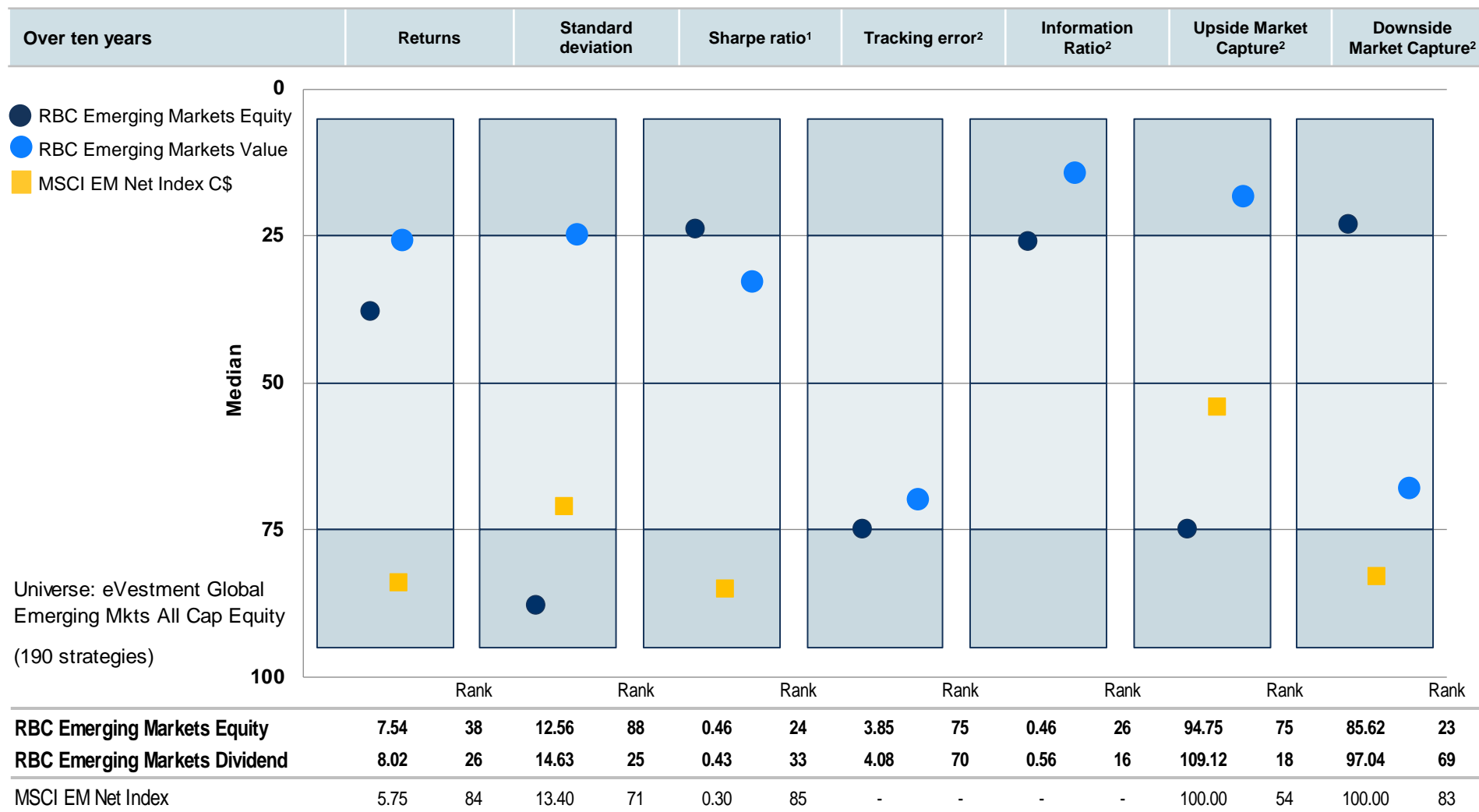


**Dijana Jelic**  
**Product Specialist**  
14 years of experience

As at 30.06.2025. Source: RBC Global Asset Management. <sup>1</sup>Central & Eastern Europe.

# Strategies are high performing and complementary

## Trailing 10-year risk and return statistics versus index and global peers



RBC Emerging Markets Equity is represented by the RBC GAM Emerging Markets Equity Strategy. RBC Emerging Markets Value is represented by the RBC GAM Emerging Markets Equity - Value Strategy.

**Past performance is not indicative of future results and is calculated in CAD. Returns may increase or decrease as a result of currency fluctuations. Rankings change monthly.**

Last 10 years through to 30.06.2025. Created on 26.08.2025 from a universe of 190. <sup>1</sup>FTSE Canada 3-Month T-Bill; <sup>2</sup>MSCI Emerging Markets Net Index. Gross of fees performance. eVestment Alliance, LLC and its affiliated entities (collectively, "eVestment") collect information directly from investment management firms and other sources believed to be reliable, however, eVestment does not guarantee or warrant the accuracy, timeliness, or completeness of the information provided and is not responsible for any errors or omissions. Performance results may be provided with additional disclosures available on eVestment's systems and other important considerations such as fees that may be applicable. Not for general distribution and limited distribution may only be made pursuant to client's agreement terms. All categories not necessarily included, totals may not equal 100%. Copyright 2012-2025 eVestment Alliance, LLC. All rights reserved. The GIPS Composite Report can be found in the appendix which contains disclosures and important information regarding the performance of the composite.

# GIPS® Composite Report

## Emerging Markets Equity

Composite name: RBC GAM Emerging Markets Equity

Inception date: April 1, 2010

Benchmark: MSCI Emerging Markets Total Return Net Index (CAD)

Currency: CAD

### Annual returns

Year end	Composite gross return (%)	Benchmark return (%)	Composite 3 yr std dev (%)	Benchmark 3 yr std dev (%)	Number of portfolios	Internal dispersion (%)	Composite assets (millions)	Firm assets (millions)
YTD 2025	9.24	9.36	13.15	14.15	14	0.28	23,057.3	718,399.2
2024	16.85	17.25	13.72	14.60	12	0.31	19,562.0	689,764.7
2023	10.38	6.88	12.81	13.93	12	0.16	16,133.4	565,826.6
2022	-7.62	-14.28	14.93	15.90	12	0.18	14,503.9	521,320.7
2021	-4.35	-3.37	12.72	13.44	14	0.49	17,950.9	608,286.9
2020	15.65	16.23	13.20	14.15	14	0.50	17,225.5	540,745.5
2019	12.79	12.43	10.02	11.37	13	0.42	13,403.5	469,295.9
2018	-1.94	-6.87	11.39	12.18	10	0.67	9,277.3	417,728.2
2017	28.18	28.26	12.70	12.88	10	0.71	7,763.0	417,179.7
2016	3.18	7.34	12.30	12.61	5	0.29	3,629.0	388,749.0
2015	9.40	2.04	11.07	11.28	5	0.97	2,648.0	383,256.3

### Annualized returns (%)

Composite or benchmark	QTD	YTD	1 year	3 year	5 year	7 year	10 year
Composite – Gross of fees	6.56	9.24	14.36	14.53	8.80	7.29	7.54
Benchmark	6.17	9.36	14.96	11.78	6.85	5.03	5.75

The GIPS® Composite Report is incomplete without the full disclosures, continued on the next page  
n/a = not applicable, Std dev = Standard deviation

As at 6.30.2025

RBC Global Asset Management  
PH&N Institutional



# GIPS® Composite Report

## Emerging Markets Equity

**Composite name:** RBC GAM Emerging Markets Equity

**Inception date:** April 1, 2010

**Benchmark:** MSCI Emerging Markets Total Return Net Index (CAD)

**Currency:** CAD

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**Compliance Statement:** RBC GAM claims compliance with the Global Investment Performance Standards (GIPS®) and has prepared and presented this report in compliance with the GIPS® standards. RBC GAM has been independently verified for the periods January 1, 2002 through December 31, 2023. The verification report(s) is/are available upon request. A firm that claims compliance with the GIPS® standards must establish policies and procedures for complying with all the applicable requirements of the GIPS® standards. Verification provides assurance on whether the firm's policies and procedures related to composite and pooled fund maintenance, as well as the calculation, presentation, and distribution of performance, have been designed in compliance with the GIPS® standards and have been implemented on a firm-wide basis. Verification does not provide assurance on the accuracy of any specific performance report.

**Composite Description:** The Emerging Market Equity Composite includes all portfolios that invest in Emerging Market equities by RBC GAM directly. Starting June 1, 2017 portfolios in this composite cannot hold more than 90% investment in another RBC Mutual Fund.

**Benchmark:** The benchmark is the MSCI Emerging Markets net index.

**Gross of Fees:** Gross of fees performance is presented gross of all fees, but after all trading expenses. Returns are presented net of withholding taxes on dividends, interest income and capital gains where applicable.

**Performance Calculations:** Results are based on all fully discretionary accounts meeting the composite definition, including those accounts no longer with the firm. Returns are shown in Canadian Dollars, and include the reinvestment of all income. Performance shown for the Emerging Markets Equity Composite is based on information generated by RBC Global Asset Management's internal performance systems, which may differ from the performance shown in official books and records of certain investment funds which form a part of the composite. Official books and records for certain investment funds which form a part of the composite include the impact of a fair value for market timing that is applied to certain securities as of the close of trading for the fund. For the purposes of calculating the Emerging Markets Equity Composite, we prepare a separate performance stream for such funds that eliminates the impact of this fair value adjustment. This second performance stream is used to calculate performance of the composite in an effort to better align the methodology for calculating composite performance with the methodology applied to calculate the benchmark. Additional information regarding policies for valuing investments, calculating performance, and creating GIPS® Reports is available upon request. Past performance is not indicative of future results.

**Composite Dispersion:** The composite dispersion of annual returns is indicated by the performance of individual accounts representing the equal weighted standard deviation of returns. Dispersion of returns is calculated for portfolios included in the composite for the full year. Calculations are based on gross portfolio returns if gross composite returns are presented. If only net composite returns are presented, then net portfolio returns are used in the composite dispersion calculation.

**3-Year Standard Deviation:** Periods with less than 3 years of data will show "n/a". Calculations are based on gross composite returns, if gross composite returns are presented. If only net composite returns are presented, then net composite returns are used in the calculation.

**Derivatives, Leverage and Short Positions:** The portfolios may use derivatives for hedging purposes, and may also use derivatives such as options, futures, forwards and swaps for non-hedging purposes as a substitute for direct investment, as long as the portfolio's use of derivatives is consistent with its investment objectives. Currency hedging is used primarily as a risk management tool to limit the volatility of portfolio returns and may be used tactically to enhance returns. Currency hedge ratios can range between 0-100%, depending on asset class and mandate. No leverage has been used in any of the portfolios contained in the composite.

**Fee Schedule:** The standard management fee schedule for the portfolios in this composite: 0.90% per annum on the first \$10 million, 0.75% per annum on the next \$10 million, 0.65% per annum on the next \$100 million and 0.60% per annum on amounts over \$120 million. This may not represent the actual fee charged to the client. The fee schedule is subject to change.

**Minimum Account Size:** Currently there is no minimum account size in order to be included in this composite. Prior to January 01, 2012 an account must be at least \$25,000,000 to be included.

**Creation Date:** This composite was created on April 1, 2010 and has an inception date of April 1, 2010.

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As at 6.30.2025

RBC Global Asset Management  
PH&N Institutional



# GIPS® Composite Report

## Emerging Markets Equity - Value

Composite name: RBC GAM Emerging Markets Equity - Value

Inception date: July 1, 2013

Benchmark: MSCI Emerging Markets Total Return Net Index (CAD)

Secondary benchmark: MSCI Emerging Markets Value Total Return Net Index (CAD)

Currency: CAD

### Annual returns

Year end	Composite gross return (%)	Benchmark return (%)	Benchmark 2 return (%)	Composite 3 yr std dev (%)	Benchmark 3 yr std dev (%)	Benchmark 2 3 yr std dev (%)	Number of portfolios	Internal dispersion (%)	Composite assets (millions)	Firm assets (millions)
YTD 2025	15.37	9.36	8.88	15.29	14.15	12.43	3	0.13	1,948.8	718,399.2
2024	15.25	17.25	13.98	15.51	14.60	12.75	3	0.15	1,698.8	689,764.7
2023	10.16	6.88	11.15	14.34	13.93	12.10	3	0.38	1,620.7	565,826.6
2022	-10.36	-14.28	-9.71	17.96	15.90	15.64	3	0.07	1,655.4	521,320.7
2021	3.58	-3.37	3.12	15.72	13.44	13.90	3	0.57	1,741.9	608,286.9
2020	18.50	16.23	3.62	16.81	14.15	14.84	3	0.25	1,581.5	540,745.5
2019	11.26	12.43	6.28	11.75	11.37	10.79	3	0.06	1,229.3	469,295.9
2018	-9.72	-6.87	-2.68	12.45	12.18	12.16	3	0.19	1,128.4	417,728.2
2017	29.77	28.26	19.65	12.61	12.88	13.28	2	0.15	930.2	417,179.7
2016	13.58	7.34	10.93	12.51	12.61	13.23	2	0.19	552.5	388,749.0
2015	-1.42	2.04	-2.35	n/a	n/a	n/a	2	-	462.5	383,256.3

### Annualized returns (%)

Composite or benchmark	QTD	YTD	1 year	3 year	5 year	7 year	10 year
Composite – Gross of fees	8.95	15.37	18.05	15.83	12.45	7.77	8.02
Benchmark	6.17	9.36	14.96	11.78	6.85	5.03	5.75
Secondary benchmark	4.30	8.88	12.34	12.30	9.11	5.10	4.94

The GIPS® Composite Report is incomplete without the full disclosures, continued on the next page  
n/a = not applicable, Std dev = Standard deviation

As at 6.30.2025

RBC Global Asset Management  
PH&N Institutional



# GIPS® Composite Report

## Emerging Markets Equity - Value

**Composite name:** RBC GAM Emerging Markets Equity - Value

**Inception date:** July 1, 2013

**Benchmark:** MSCI Emerging Markets Total Return Net Index (CAD)

**Secondary benchmark:** MSCI Emerging Markets Value Total Return Net Index (CAD)

**Currency:** CAD

**For the purposes of Global Investment Performance Standards (GIPS®), RBC Global Asset Management (RBC GAM) is the asset management division of Royal Bank of Canada (RBC) that has responsibility for managing discretionary assets, and includes the following separate but affiliated subsidiaries:** RBC Global Asset Management Inc. (including PH&N Institutional), RBC Global Asset Management (U.S.) Inc., RBC Global Asset Management (UK) Limited, and RBC Global Asset Management (Asia) Limited (outside of North America, RBC GAM conducts business under the brand RBC BlueBay Asset Management). RBC purchased Phillips, Hager & North Investment Management Ltd., including the assets of BonaVista Asset Management Ltd., on May 1, 2008, BlueBay Asset Management LLP on December 17, 2010, and HSBC Global Asset Management (Canada) Limited on March 28, 2024. RBC GAM's lists of composite descriptions, limited distribution pooled fund descriptions and broad distribution pooled funds are available upon request. As of December 31, 2024, the RBC GAM group of companies manages more than C\$689 billion (US\$479 billion) in a full spectrum of asset classes and strategies.

**Compliance Statement:** RBC GAM claims compliance with the Global Investment Performance Standards (GIPS®) and has prepared and presented this report in compliance with the GIPS® standards. RBC GAM has been independently verified for the periods January 1, 2002 through December 31, 2023. The verification report(s) is/are available upon request. A firm that claims compliance with the GIPS® standards must establish policies and procedures for complying with all the applicable requirements of the GIPS® standards. Verification provides assurance on whether the firm's policies and procedures related to composite and pooled fund maintenance, as well as the calculation, presentation, and distribution of performance, have been designed in compliance with the GIPS® standards and have been implemented on a firm-wide basis. Verification does not provide assurance on the accuracy of any specific performance report.

**Composite Description:** The Emerging Markets Equity - Value Composite includes all portfolios that invest in emerging market equities that provide regular dividend income through securities with above average dividend yield managed by RBC GAM directly.

**Benchmark:** The benchmark is the MSCI Emerging Market Net Index. The Index is designed to measure the equity market performance of emerging markets. Index returns are provided for comparison purposes to represent the investment environment existing during the time periods shown. An index is fully invested, includes the reinvestment of dividends and capital gains, but does not include any transaction costs, management fees, or other costs. Holdings of each separately managed account in a composite will differ from the index. An investor may not invest directly in an index. As of 03/31/2021, the secondary benchmark is the MSCI Emerging Market Value Net Index.

**Gross of Fees:** Gross of fees performance is presented gross of all fees, but after all trading expenses. Returns are presented net of withholding taxes on dividends, interest income and capital gains where applicable.

**Performance Calculations:** Results are based on all fully discretionary accounts meeting the composite definition, including those accounts no longer with the firm. Returns are shown in Canadian Dollars, and include the reinvestment of all income. Performance shown for the Emerging Markets Equity Dividend Composite is based on information generated by RBC Global Asset Management's internal performance systems, which may differ from the performance shown in official books and records of certain investment funds which form a part of the composite. Official books and records for certain investment funds which form a part of the composite include the impact of a fair value for market timing that is applied to certain securities as of the close of trading for the fund. For the purposes of calculating the Emerging Markets Equity - Value Composite, we prepare a separate performance stream for such funds that eliminates the impact of this fair value adjustment. This second performance stream is used to calculate performance of the composite in an effort to better align the methodology for calculating composite performance with the methodology applied to calculate the benchmark. Additional information regarding policies for valuing investments, calculating performance, and creating GIPS® Reports is available upon request. Past performance is not indicative of future results.

**Composite Dispersion:** The composite dispersion of annual returns is indicated by the performance of individual accounts representing the equal weighted standard deviation of returns. Dispersion of returns is calculated for portfolios included in the composite for the full year. Calculations are based on gross portfolio returns if gross composite returns are presented. If only net composite returns are presented, then net portfolio returns are used in the composite dispersion calculation.

**3-Year Standard Deviation:** Periods with less than 3 years of data will show "n/a". Calculations are based on gross composite returns, if gross composite returns are presented. If only net composite returns are presented, then net composite returns are used in the calculation.

**Derivatives, Leverage and Short Positions:** The portfolios may use derivatives for hedging purposes, and may also use derivatives such as options, futures, forwards and swaps for non-hedging purposes as a substitute for direct investment, as long as the portfolio's use of derivatives is consistent with its investment objectives. Currency hedging is used primarily as a risk management tool to limit the volatility of portfolio returns and may be used tactically to enhance returns. Currency hedge ratios can range between 0-100%, depending on asset class and mandate. No leverage has been used in any of the portfolios contained in the composite.

**Fee Schedule:** The standard management fee schedule for the portfolios in this composite: 0.90% per annum on the first \$10 million, 0.75% per annum on the next \$10 million, 0.65% per annum on the next \$100 million and 0.60% per annum on amounts over \$120 million. This may not represent the actual fee charged to the client. The fee schedule is subject to change.

**Minimum Account Size:** Currently there is no minimum account size in order to be included in this composite.

**Creation Date:** This composite was created on July 1, 2013 and has an inception date of July 1, 2013.

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As at 6.30.2025

RBC Global Asset Management  
PH&N Institutional



# Appendix 5: Money Market Funds Merger

# Money market funds merger

- On August 13, 2025, RBC GAM announced that the PH&N Canadian Money Market Fund (\$3.5bn) will merge into the RBC Canadian Money Market Fund (\$8.1bn) in November 2025
- We are merging funds to streamline our money market fund offerings:
  - RBC GAM currently has multiple money market funds with overlapping mandates.
  - Going forward, we will have one option for each type of money market fund: Canadian T-Bill fund, Canadian money market fund, and U.S. dollar money market fund.
- The RBC and PH&N Institutional funds are very similar in terms of exposures and overall structure.
- The funds have delivered similar long-term returns:
  - On an annualized basis over the past 10 and 15 years ending June 30, 2025, the PH&N CMMF earned 2.09% and 1.78%, respectively.
  - The RBC Canadian Money Market Fund earned 2.15% and 1.82% over the same periods.
- There is no impact on fees or fund expenses.

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## **VANCOUVER**

Waterfront Centre, 20<sup>th</sup> Floor  
200 Burrard Street  
Vancouver, British Columbia  
V6C 3N5 Canada  
T 604-408-6000

## **TORONTO**

22<sup>nd</sup> Floor  
155 Wellington St. West  
Toronto, Ontario  
M5V 3K7 Canada  
T 416-974-2710

## **MONTRÉAL**

9<sup>th</sup> Floor, North Wing  
1 Place Ville Marie  
Montréal, Québec  
H3B 1Z5 Canada  
T 514-876-1256