

The City of Hamilton Master Trust Defined Benefit Plan | Second Quarter 2022

Quarterly Investment Review

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Executive Summary

During the last quarter, we produced papers on the following topics. Although these topics may not be directly applicable to your fund, they may be of general interest and provide some insight into Aon's global research. For more details, please contact your Aon Investment Consultant.

Topic	Summary
<p>Canadian Commercial Mortgages</p>	<p>Commercial Mortgages have increased in popularity as investors are seeking ways to generate higher yields and diversify away from the traditional Canadian bond market.</p> <p>This paper, written by Aon's Fixed Income Manager Research team, provides an overview of Canadian Commercial Mortgages and answers the following questions: What are commercial mortgages? What are the risks? What are the benefits? How can we access the asset class?</p> <p>https://insights-north-america.aon.com/ca-en/investment/aon-canadian-commercial-mortgages-overview-whitepaper</p>
<p>Private Credit Today – A Diverse Opportunity Set in a Growing Market</p>	<p>The private credit market continues to grow and offer a range of opportunities to investors. After averaging 13.5% annually over the past decade, assets in private credit were \$1.1 trillion.</p> <p>In this paper Aon's Global Asset Allocation Team provides detail about investment types, primary benefits and risks associated with each, and key criteria Aon applies when evaluating and selecting managers.</p> <p>https://insights-north-america.aon.com/ca-en/investment/aon-private-credit-today-a-diverse-opportunity-set-in-a-growing-market-whitepaper</p>
<p>AA View – Will Commodities Continue to Burn Bright?</p>	<p>Commodities have experienced a surge in price as global inflation has reached multi-decade highs and raw material prices have been pushed up by the ongoing conflict in Ukraine.</p> <p>In this paper Aon's Global Asset Allocation Team provides their thoughts on the outlook for commodities and the investment case for commodities today.</p> <p>https://insights-north-america.aon.com/ca-en/investment/aon-will-commodities-continue-to-burn-bright-article</p>
<p>AA View – A Global Recession is Now Much More Likely</p>	<p>The sudden stepping up of US monetary tightening, signaled by the latest rise of 0.75% in US policy interest rates, alters the macroeconomic and market landscape. Until as recently as a week ago, such large interest rate moves were deemed highly unlikely.</p> <p>In this paper Aon's Global Asset Allocation Team provides their thoughts on the likelihood of a recession occurring and the potential market impact.</p> <p>https://insights-north-america.aon.com/ca-en/investment/aon-a-global-recession-is-now-much-more-likely-article</p>

For more timely access to our latest thinking, please visit and subscribe to the Aon Retirement & Investment Solutions website:
<https://insights-north-america.aon.ca/investment>

Executive Summary

Trailing Period Performance

As of 30 June 2022

	Allocation		Performance (%)							
	Market Value (\$000)	%	1 Quarter	1 Year	2 Years	3 Years	4 Years	5 Years	10 Years	
Total Fund	292,005	100.0	-10.4 (97)	-12.1 (99)	2.3 (78)	1.6 (98)	2.2 (100)	3.2 (95)	6.3 (93)	
Benchmark			-11.4 (99)	-11.8 (96)	0.3 (99)	2.5 (82)	3.5 (78)	4.3 (72)	6.7 (89)	
Value Added			1.0	-0.3	2.0	-0.9	-1.3	-1.1	-0.4	
Canadian Equity	73,604	25.2	-11.6 (62)	-2.5 (72)	20.0 (26)	6.9 (94)	4.8 (93)	6.3 (88)	9.8 (40)	
Guardian (including cash)	38,102	13.0	-11.4 (58)	-5.6 (93)	13.4 (84)	6.3 (95)	6.0 (80)	6.9 (77)	8.4 (83)	
S&P/TSX Composite			-13.2 (94)	-3.9 (85)	13.4 (84)	8.0 (74)	6.9 (64)	7.6 (55)	8.2 (87)	
Value Added			1.8	-1.7	0.0	-1.7	-0.9	-0.7	0.2	
Letko (including cash)	35,502	12.2	-11.9 (66)	1.4 (40)	27.8 (5)	8.6 (58)	5.0 (93)	6.6 (82)	10.9 (6)	
S&P/TSX Composite			-13.2 (94)	-3.9 (85)	13.4 (84)	8.0 (74)	6.9 (64)	7.6 (55)	8.2 (87)	
Value Added			1.3	5.3	14.4	0.6	-1.9	-1.0	2.7	
Global Equities	56,215	19.3	-7.6 (19)	-11.9 (60)	5.9 (58)	4.7 (71)	4.2 (69)	5.0 (79)	9.1 (96)	
Aberdeen	13,524	4.6	-12.1 (58)	-10.7 (51)	6.5 (53)	6.3 (41)	6.1 (43)	6.5 (57)	9.3 (95)	
MSCI World (Net)			-13.4 (74)	-10.8 (52)	6.3 (55)	6.5 (39)	6.3 (39)	7.5 (39)	12.1 (53)	
Value Added			1.3	0.1	0.2	-0.2	-0.2	-1.0	-2.8	
GMO	42,691	14.6	-9.5 (30)	-15.7 (79)	4.0 (75)	3.3 (86)	3.2 (85)	4.1 (90)	8.9 (96)	
MSCI World (Net)			-13.4 (74)	-10.8 (52)	6.3 (55)	6.5 (39)	6.3 (39)	7.5 (39)	12.1 (53)	
Value Added			3.9	-4.9	-2.3	-3.2	-3.1	-3.4	-3.2	

*GMO returns are reported net-of-fees.

Executive Summary

Trailing Period Performance

As of 30 June 2022

	Allocation		Performance (%)						
	Market Value (\$000)	%	1 Quarter	1 Year	2 Years	3 Years	4 Years	5 Years	10 Years
Canadian Fixed Income	161,807	55.4	-10.1	-15.5	-9.3	-3.6	-0.7	0.0	1.7
TDAM Long Bonds	56,598	19.4	-11.6	-19.5	-13.2	-5.4	-1.5	-0.9	2.0
FTSE Canada Long Term Overall Bond			-11.8	-19.7	-13.6	-5.8	-1.7	-1.0	1.9
Value Added			0.2	0.2	0.4	0.4	0.2	0.1	0.1
TDAM Real Return Bonds	103,306	35.4	-9.3	-13.1	-6.0	-2.1	-0.4	0.5	1.0
FTSE Canada Real Return Bond			-8.9	-12.3	-5.4	-1.9	-0.2	0.7	0.9
Value Added			-0.4	-0.8	-0.6	-0.2	-0.2	-0.2	0.1
TDAM Cash	161,807	55.4							
Operating Account	380	0.1							

*GMO returns are reported net-of-fees.

Executive Summary

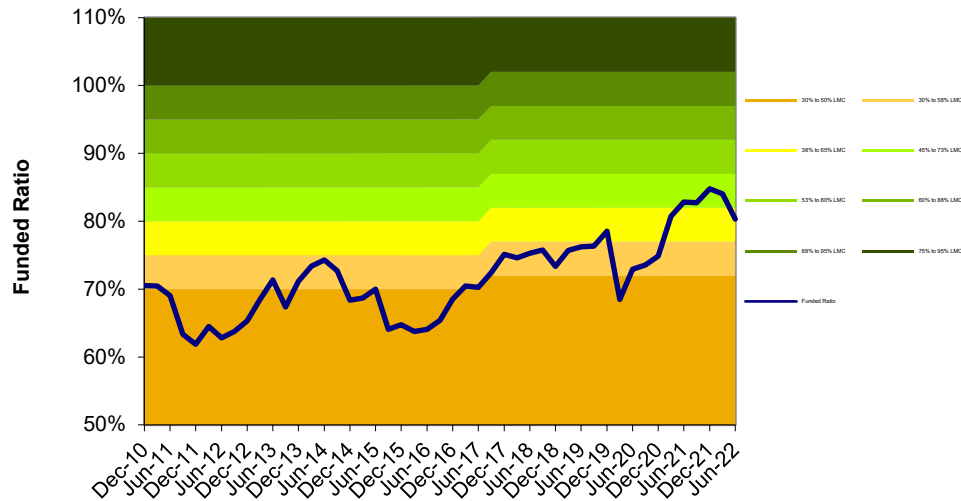
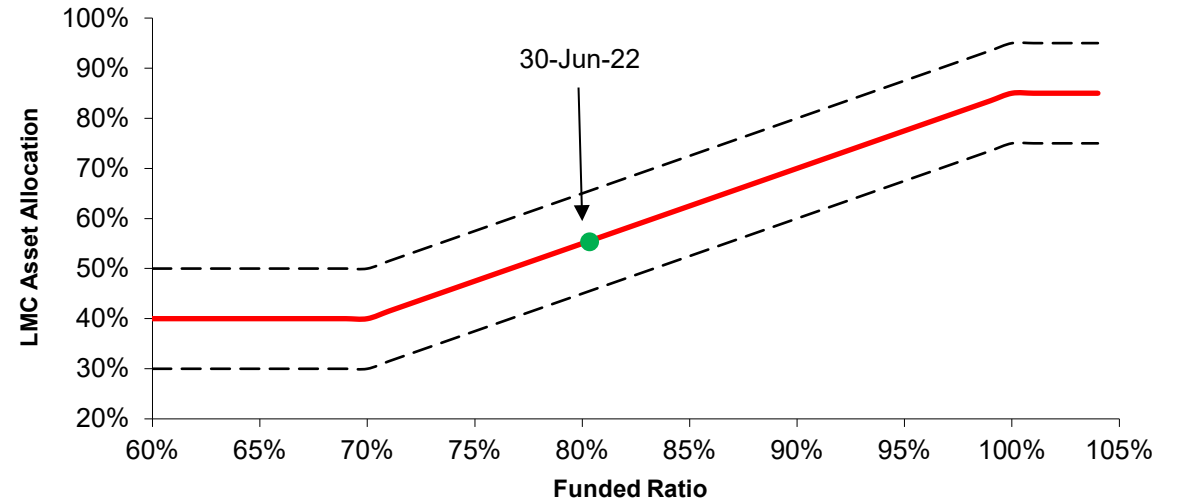
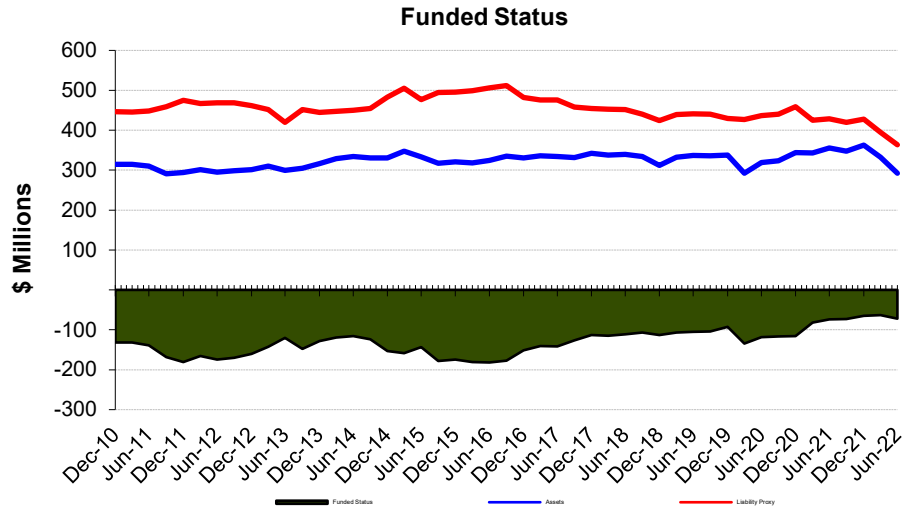
Trailing Period Performance

As of 30 June 2022

	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Total Fund	-12.1 (99)	19.1 (39)	0.2 (83)	4.1 (74)	7.3 (52)	9.0 (68)	3.2 (40)	6.3 (86)	19.8 (31)	9.6 (72)	2.3 (22)
Benchmark	-11.8 (96)	14.1 (92)	7.1 (8)	6.4 (28)	7.7 (36)	8.2 (79)	3.8 (30)	8.5 (59)	19.1 (42)	6.5 (96)	1.4 (36)
Value Added	-0.3	5.0	-6.9	-2.3	-0.4	0.8	-0.6	-2.2	0.7	3.1	0.9
Canadian Equities	-2.5 (72)	47.6 (17)	-15.1 (92)	-1.1 (80)	12.6 (17)	17.7 (3)	2.1 (50)	1.1 (45)	29.7 (52)	19.0 (14)	-5.9 (31)
Guardian (including cash)	-5.6 (93)	36.2 (51)	-6.5 (55)	4.8 (29)	10.8 (40)	11.7 (54)	3.3 (31)	0.7 (49)	26.7 (78)	9.3 (82)	-3.1 (17)
S&P/TSX Composite	-3.9 (85)	33.9 (63)	-2.2 (30)	3.9 (40)	10.4 (46)	11.0 (65)	-0.2 (64)	-1.2 (64)	28.7 (65)	7.9 (93)	-10.3 (64)
Value Added	-1.7	2.3	-4.3	0.9	0.4	0.7	3.5	1.9	-2.0	1.4	7.2
Letko (including cash)	1.4 (40)	61.0 (5)	-21.5 (99)	-5.2 (90)	13.4 (12)	21.5 (1)	1.5 (55)	1.4 (42)	31.1 (34)	24.2 (2)	-6.9 (34)
S&P/TSX Composite	-3.9 (85)	33.9 (63)	-2.2 (30)	3.9 (40)	10.4 (46)	11.0 (65)	-0.2 (64)	-1.2 (64)	28.7 (65)	7.9 (93)	-10.3 (64)
Value Added	5.3	27.1	-19.3	-9.1	3.0	10.5	1.7	2.6	2.4	16.3	3.4
Global Equities	-11.9 (60)	27.3 (56)	2.3 (62)	2.8 (66)	8.3 (80)	19.4 (52)	-3.4 (77)	10.5 (91)	23.9 (65)	18.7 (85)	2.0 (40)
Aberdeen	-10.7 (51)	27.0 (59)	6.0 (45)	5.4 (43)	7.9 (82)	16.4 (72)	-1.0 (60)	7.6 (96)	22.0 (79)	17.2 (91)	4.3 (26)
MSCI World (Net)	-10.8 (52)	26.6 (60)	6.9 (40)	5.7 (41)	12.5 (47)	17.8 (63)	1.4 (40)	18.9 (59)	25.2 (54)	22.7 (58)	0.4 (52)
Value Added	0.1	0.4	-0.9	-0.3	-4.6	-1.4	-2.4	-11.3	-3.2	-5.5	3.9
GMO	-15.7 (79)	28.3 (49)	1.9 (64)	2.8 (67)	8.1 (81)	20.0 (47)	-2.8 (72)	11.9 (90)	23.8 (66)	19.0 (84)	2.9 (33)
MSCI World (Net)	-10.8 (52)	26.6 (60)	6.9 (40)	5.7 (41)	12.5 (47)	17.8 (63)	1.4 (40)	18.9 (59)	25.2 (54)	22.7 (58)	0.4 (52)
Value Added	-4.9	1.7	-5.0	-2.9	-4.4	2.2	-4.2	-7.0	-1.4	-3.7	2.5
Canadian Fixed Income	-15.5	-2.8	9.2	8.3	2.8	-1.2	7.8	7.5	8.1	-3.9	10.4
TDAM Long Bonds	-19.5 (33)	-6.4 (72)	12.1 (47)	11.4 (60)	1.8 (79)	0.3 (85)	10.2 (29)	9.0 (90)	8.0 (38)	-2.0 (27)	-
FTSE Canada Long Term Overall Bond	-19.7 (80)	-6.9 (91)	12.0 (60)	11.4 (38)	1.8 (72)	0.4 (75)	9.9 (51)	10.1 (37)	7.6 (72)	-2.9 (84)	18.8 (23)
Value Added	0.2	0.5	0.1	0.0	0.0	-0.1	0.3	-1.1	0.4	0.9	-
TDAM Real Return Bonds	-13.1	1.7	6.1	5.1	4.2	-2.9	5.4	5.8	8.2	-8.5	-
FTSE Canada Real Return Bond	-12.3	2.1	5.5	5.2	4.0	-2.7	5.3	5.6	8.1	-9.9	14.9
Value Added	-0.8	-0.4	0.6	-0.1	0.2	-0.2	0.1	0.2	0.1	1.4	-

Parentheses contain percentile rankings.

Quarterly Performance Report for the City of Hamilton Funded Status and Glide Path Information for June 30, 2022



Snapshot (Wind-Up)

	30-Sep-21	31-Dec-21	31-Mar-22	30-Jun-22
Market value of assets (\$ Millions)	\$347.3	\$362.7	\$332.0	\$292.0
Liability proxy (\$ Millions)	\$419.7	\$427.7	\$394.8	\$363.5
Funded status (\$ Millions)	(\$72.4)	(\$65.0)	(\$62.8)	(\$71.5)
Funded ratio	82.7%	84.8%	84.1%	80.3%
Current LMC Asset Allocation	51.5%	55.4%	55.2%	55.4%

Rebalancing

- The rebalancing strategy for this plan requires that assets be rebalanced to the target allocation (indicated by the red line) whenever the LMC Asset Allocation falls outside of the range deemed acceptable for a given funded ratio (indicated by the dashed lines).
- Because the LMC Asset Allocation as of June 30, 2022 is within the range determined acceptable for the current funded ratio (80.3%), the asset mix does not require rebalancing.

Capital Markets Performance

Capital Market Performance

Major Capital Markets' Returns

As of 30 June 2022

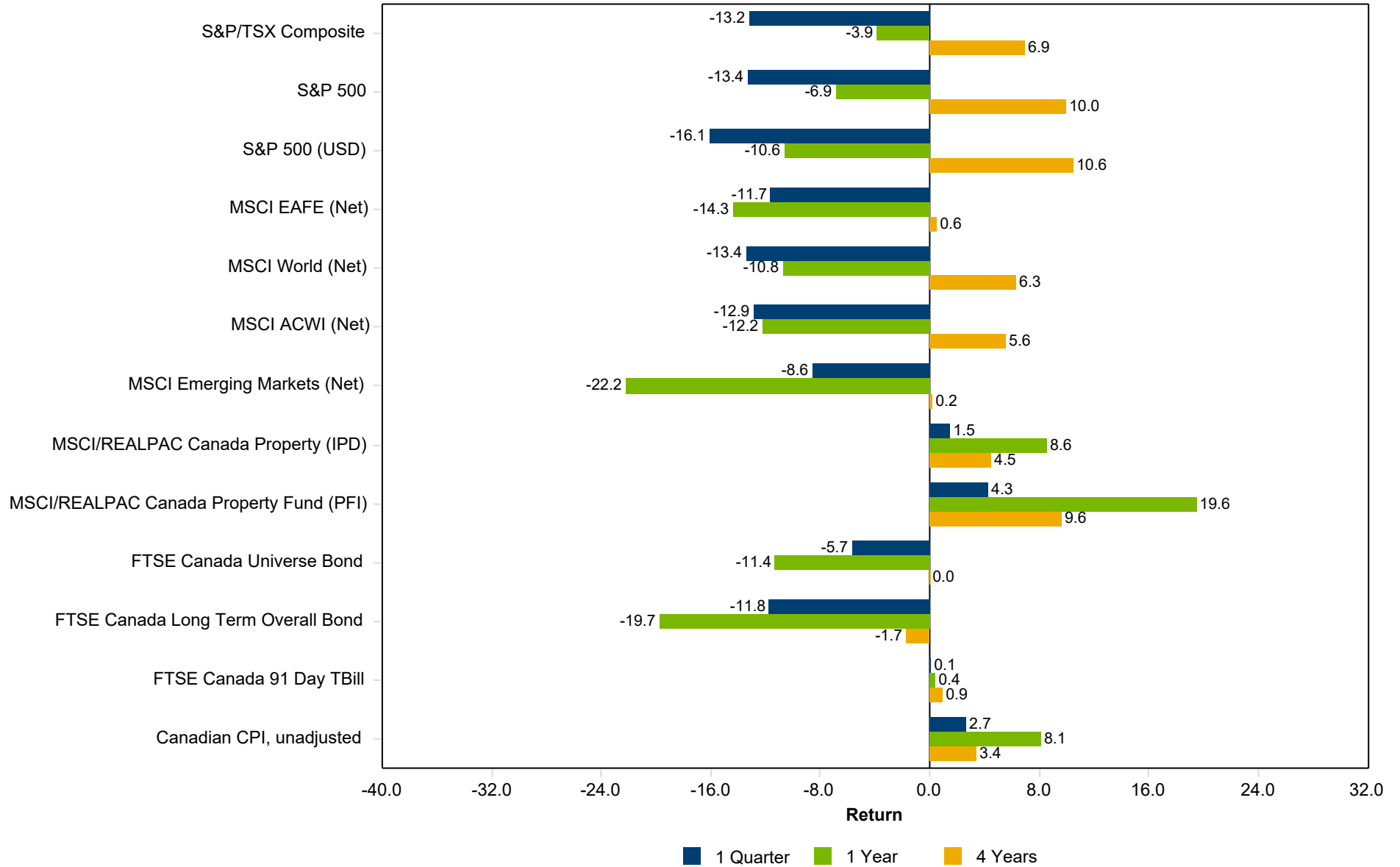
	1 Quarter	YTD	1 Year	2 Years	3 Years	4 Years	5 Years	10 Years
Equity								
S&P/TSX Composite	-13.2	-9.9	-3.9	13.4	8.0	6.9	7.6	8.2
S&P 500	-13.4	-18.3	-6.9	9.2	10.1	10.0	11.2	15.6
S&P 500 (USD)	-16.1	-20.0	-10.6	12.2	10.6	10.6	11.3	13.0
MSCI EAFE (Net)	-11.7	-17.9	-14.3	1.5	0.6	0.6	2.1	7.9
MSCI World (Net)	-13.4	-18.8	-10.8	6.2	6.5	6.3	7.5	12.1
MSCI ACWI (Net)	-12.9	-18.5	-12.2	5.4	5.8	5.6	6.9	11.3
MSCI Emerging Markets (Net)	-8.6	-15.9	-22.2	-0.1	0.1	0.2	2.0	5.5
Real Estate								
MSCI/REALPAC Canada Annual Property	1.5	3.4	8.6	4.8	3.6	4.5	5.1	6.8
MSCI/REALPAC Canada Quarterly Property Fund	4.3	9.9	19.6	13.7	10.3	9.6	9.5	8.6
Fixed Income								
FTSE Canada Universe Bond	-5.7	-12.2	-11.4	-7.0	-2.3	0.0	0.2	1.7
FTSE Canada Long Term Overall Bond	-11.8	-22.1	-19.7	-13.6	-5.8	-1.7	-1.0	1.9
FTSE Canada 91 Day TBill	0.1	0.3	0.4	0.3	0.7	0.9	0.9	0.8
Consumer Price Index								
Canadian CPI, unadjusted	2.7	6.2	8.1	5.6	3.9	3.4	3.2	2.3

Returns for periods greater than one year are annualized. Sector returns are based on the holdings loaded into our performance reporting software and may differ from MSCI sector returns. Note: MSCI recently announced a reorganization of the Global Industry Classification Sectors or GICS sectors. The Telecommunications sector was renamed "Communication Services". Going forward the Communication Services sector will include companies currently in the Information Technology sector that focus on facilitating communications, such as Alphabet (Google) and Facebook. Companies that provide media content, such as Disney and Comcast, will be moved from the Consumer Discretionary sector to the Communication Services sector. In addition, online retailers, such as Alibaba and eBay, will be moved from the Information Technology sector to the Consumer Discretionary sector.

Capital Market Performance

Comparative Performance

As of 30 June 2022



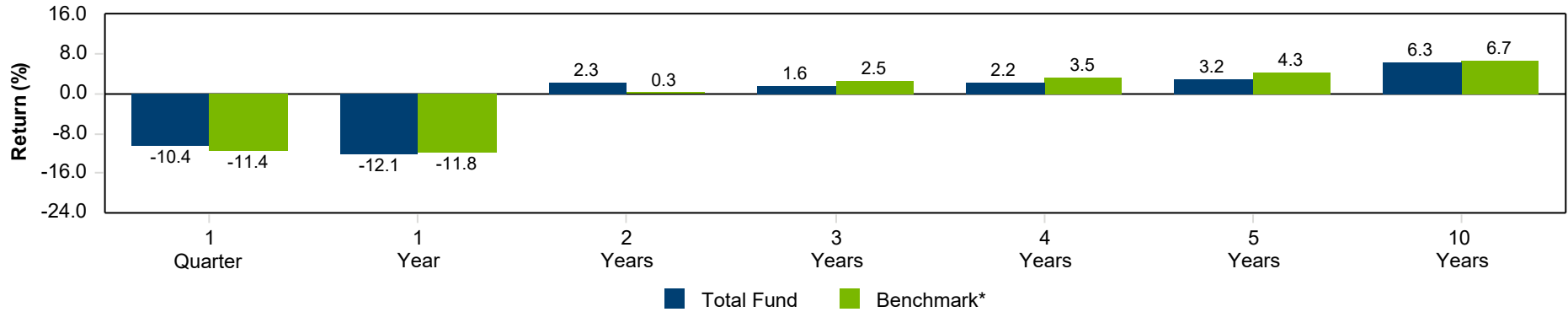
Total Fund Analysis

Total Fund

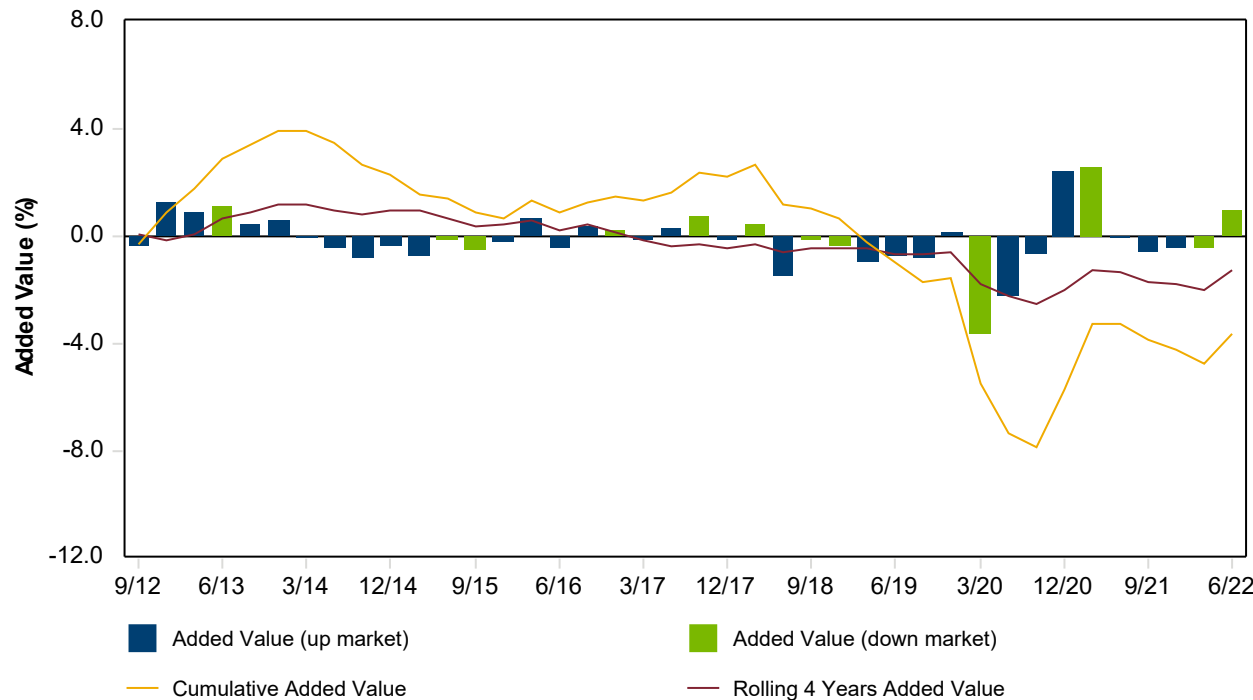
Total Fund Performance Summary

As of 30 June 2022

Return Summary



Added Value History (%)



Performance Statistics

	Quarters	%
Market Capture		
Up Markets	28	96.0
Down Markets	12	98.1
Batting Average		
Up Markets	28	32.1
Down Markets	12	50.0
Overall	40	37.5

* See Appendix A for benchmark components.

Total Fund

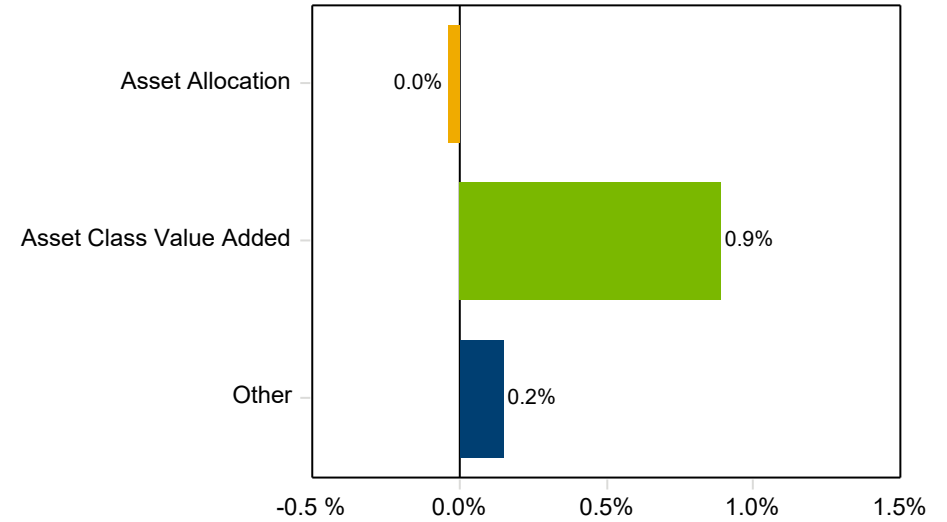
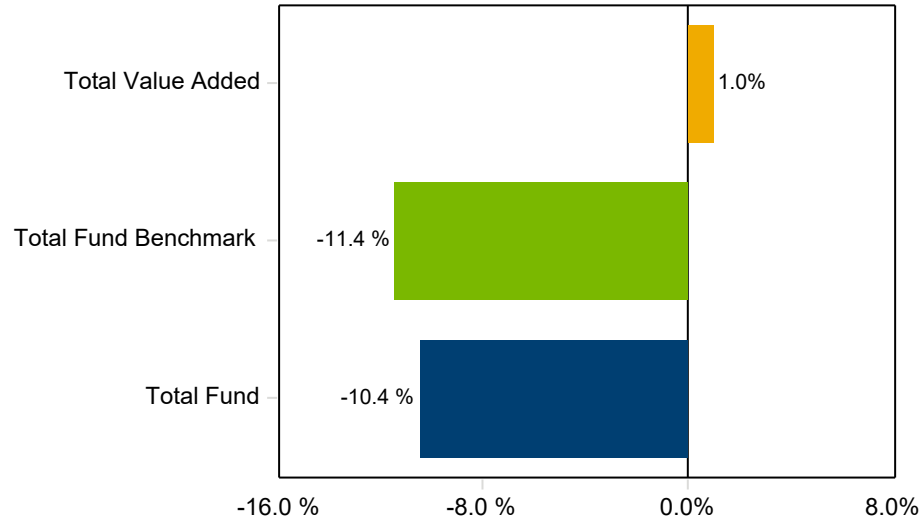
Total Fund Performance Attribution

1 Quarter Ending 30 June 2022

Total Fund vs. Benchmark

Total Fund Performance

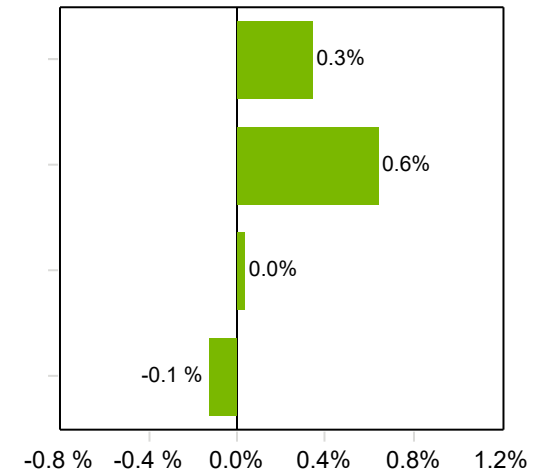
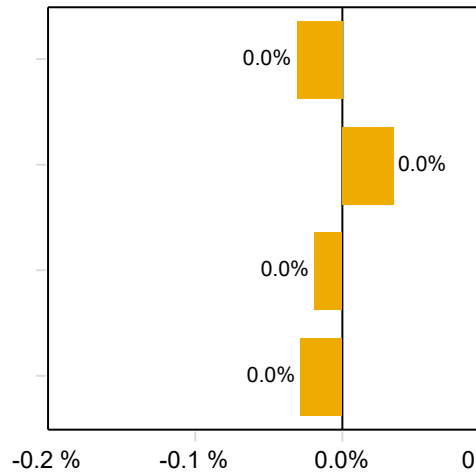
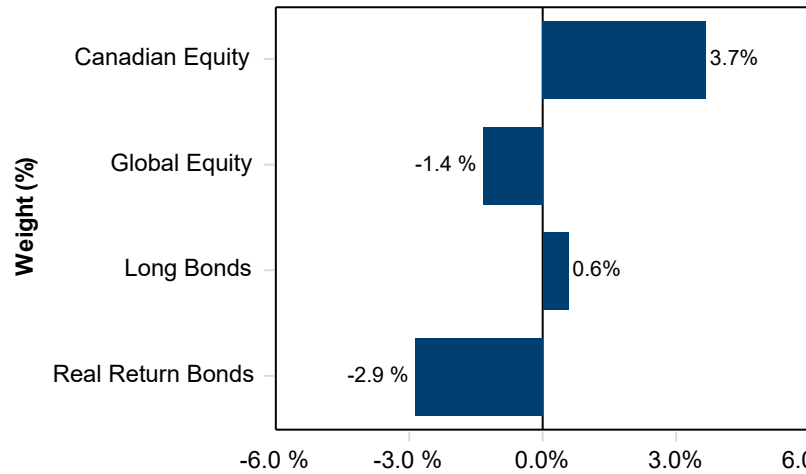
Total Value Added: 1.0%



1 Quarter

Total Asset Allocation: 0.0%

Total Asset Class Value Added: 0.9%



■ Active Weight

■ Asset Allocation Value Added

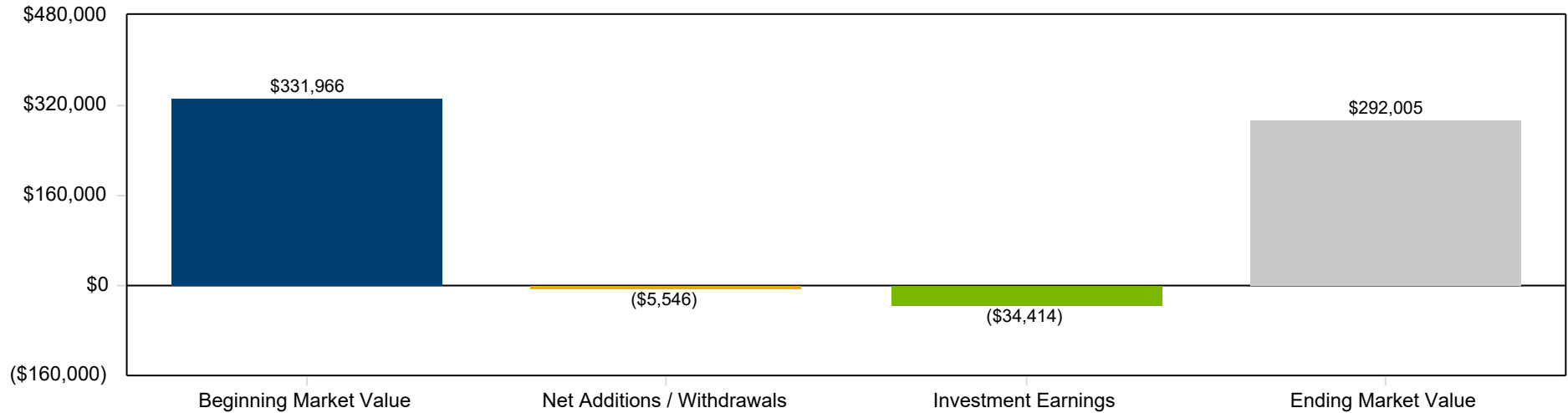
■ Asset Class Value Added

Total Fund

Total Fund Asset Summary

As of 30 June 2022

Change in Market Value (\$000)
From 1 April 2022 to 30 June 2022



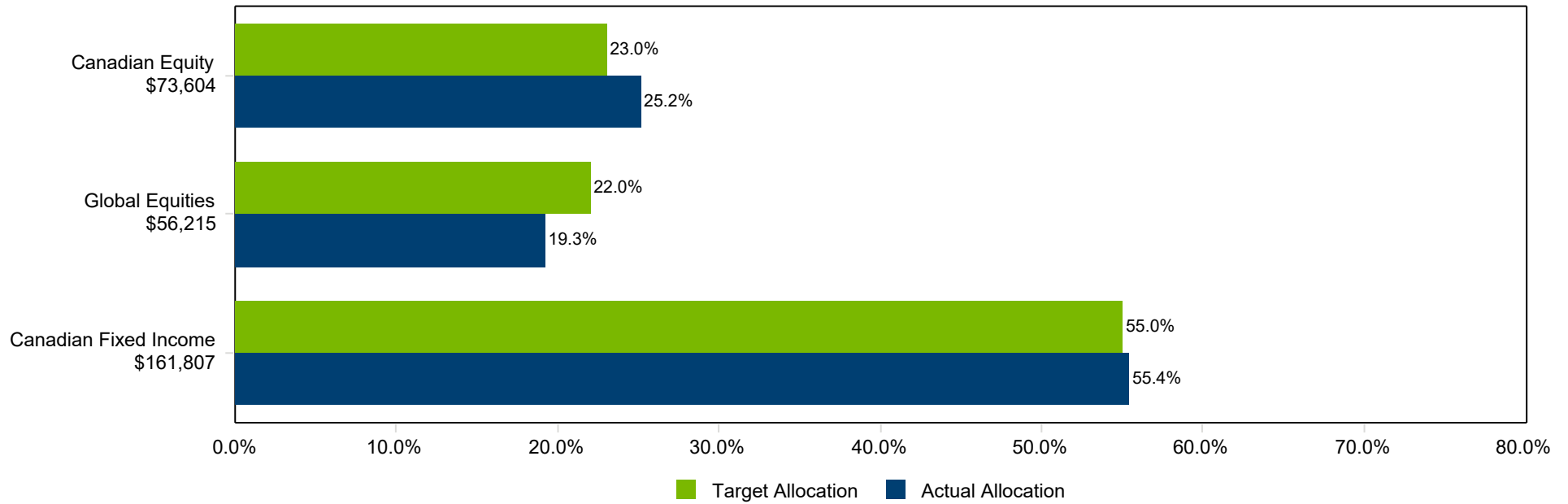
Summary of Cash Flows (\$000)

	1 Quarter	Year To Date	1 Year	4 Years
Total Fund				
Beginning Market Value	331,966	362,701	355,368	339,904
+/- Net Cash Flows	-5,546	-11,191	-22,631	-67,243
+/- Income	1,813	2,704	14,490	87,673
+/- Capital Gains / Losses	-36,227	-62,209	-55,222	-68,329
= Ending Market Value	292,005	292,005	292,005	292,005

Total Fund

Asset Allocation Compliance

As of 30 June 2022 (\$000)

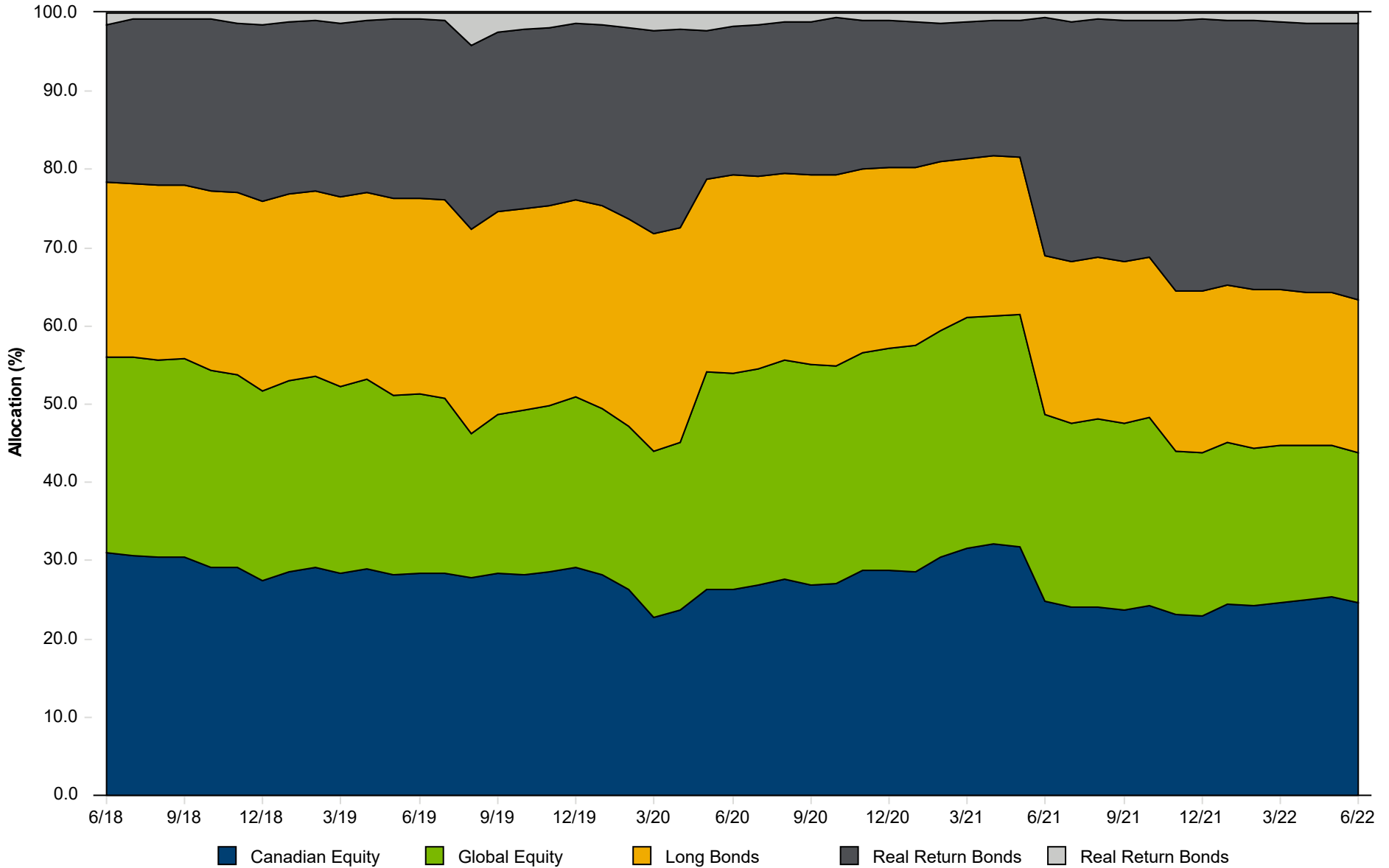


	Market Value (\$000)	Market Value (%)	Target Allocation (%)	Differences (%)	Minimum Allocation (%)	Maximum Allocation (%)	Within Range
Total Fund	292,005	100.0	100.0	0.0			
Canadian Equity	73,604	25.2	23.0	2.2	18.0	28.0	Yes
Global Equities	56,215	19.3	22.0	-2.7	17.0	27.0	Yes
Canadian Fixed Income	161,807	55.4	55.0	0.4	45.0	65.0	Yes

Total Fund

Historical Asset Allocation by Segment

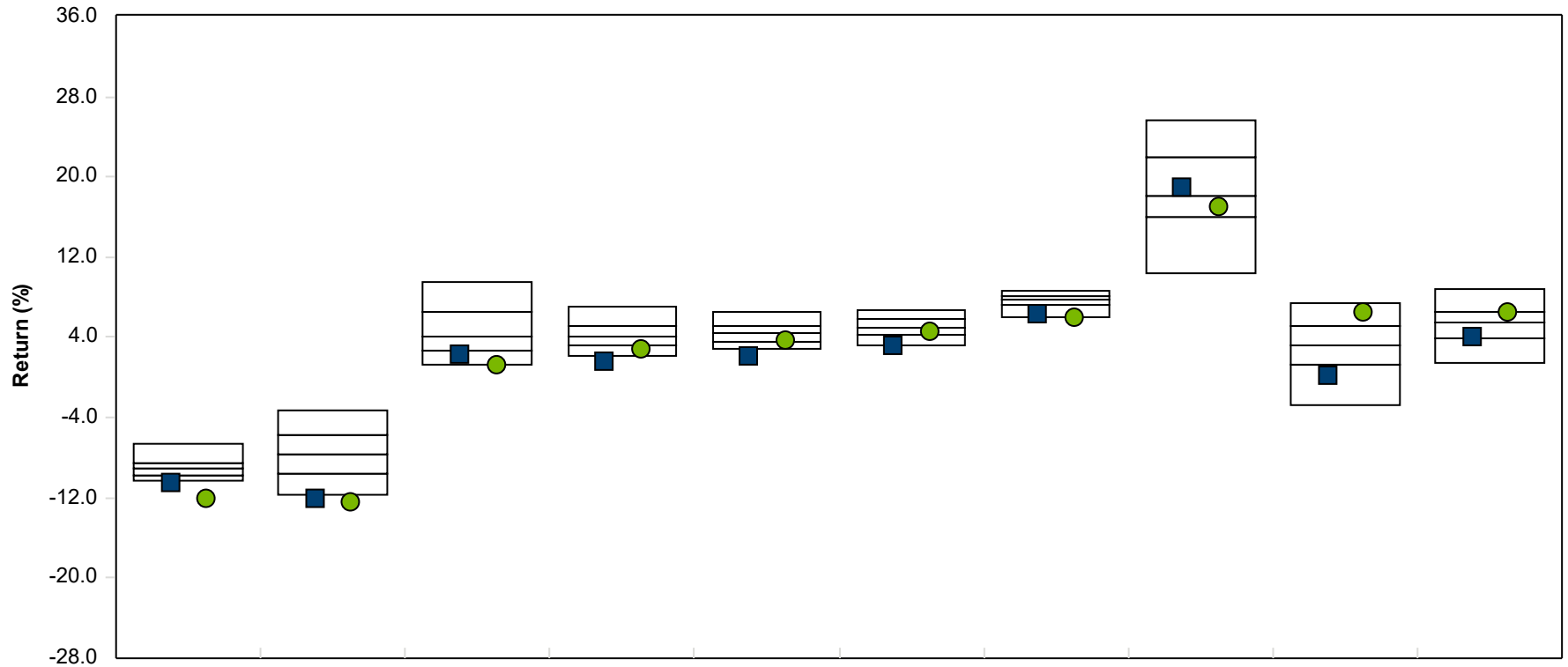
4 Years Ending 30 June 2022
Total Fund



Total Fund

Peer Group Analysis

As of 30 June 2022
Balanced Funds



	1 Quarter	1 Year	2 Years	3 Years	4 Years	5 Years	10 Years	1 Year Ending Jun-2021	1 Year Ending Jun-2020	1 Year Ending Jun-2019
■ Total Fund	-10.4 (97)	-12.1 (99)	2.3 (78)	1.6 (98)	2.2 (100)	3.2 (95)	6.3 (93)	19.1 (39)	0.2 (83)	4.1 (74)
● Benchmark	-12.0 (100)	-12.5 (100)	1.2 (96)	2.9 (80)	3.8 (72)	4.5 (65)	6.0 (95)	17.1 (59)	6.5 (15)	6.5 (26)
5th Percentile	-6.7	-3.3	9.5	7.1	6.5	6.8	8.7	25.6	7.5	8.8
1st Quartile	-8.5	-5.8	6.5	5.1	5.2	5.9	8.0	22.0	5.1	6.5
Median	-9.1	-7.6	4.1	4.0	4.5	5.0	7.7	18.2	3.3	5.5
3rd Quartile	-9.7	-9.5	2.7	3.2	3.6	4.3	7.3	15.9	1.3	3.9
95th Percentile	-10.3	-11.6	1.3	2.1	2.8	3.2	6.0	10.4	-2.7	1.5
Population	49	49	49	49	49	49	49	50	52	52

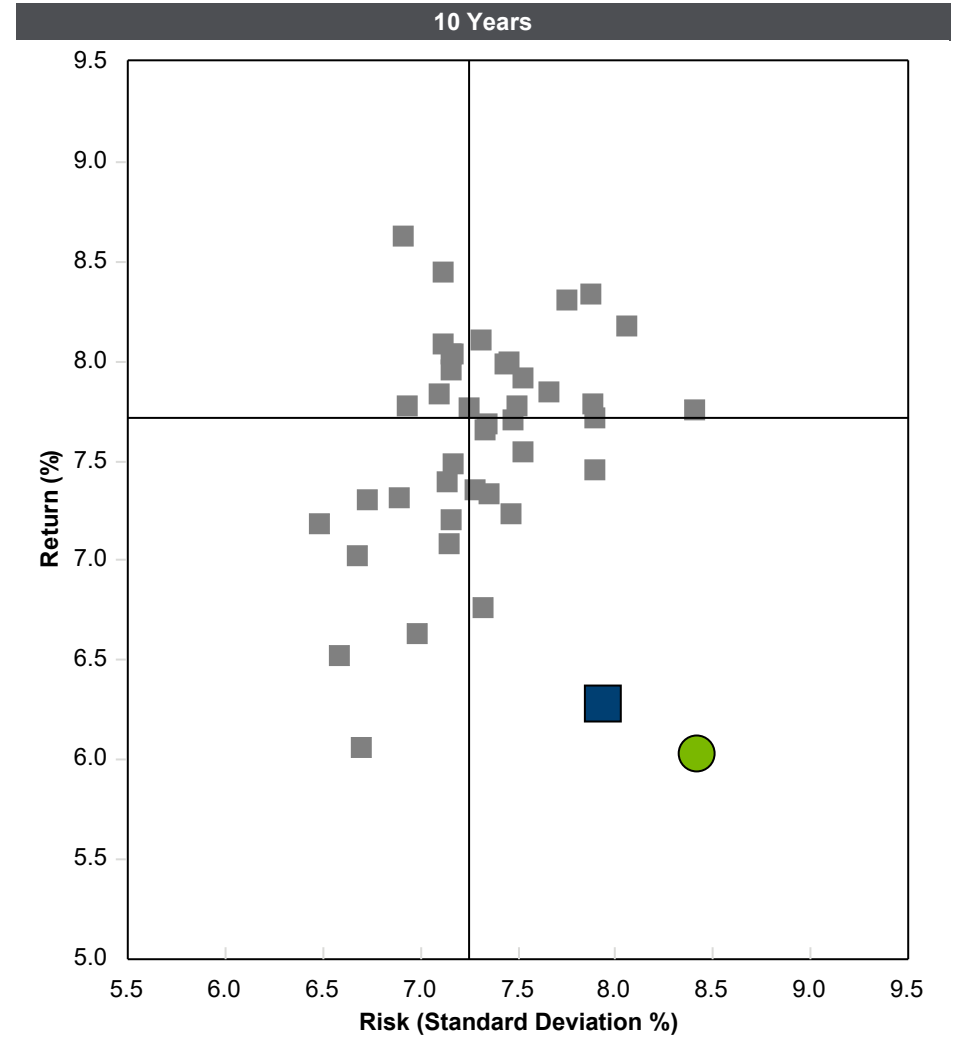
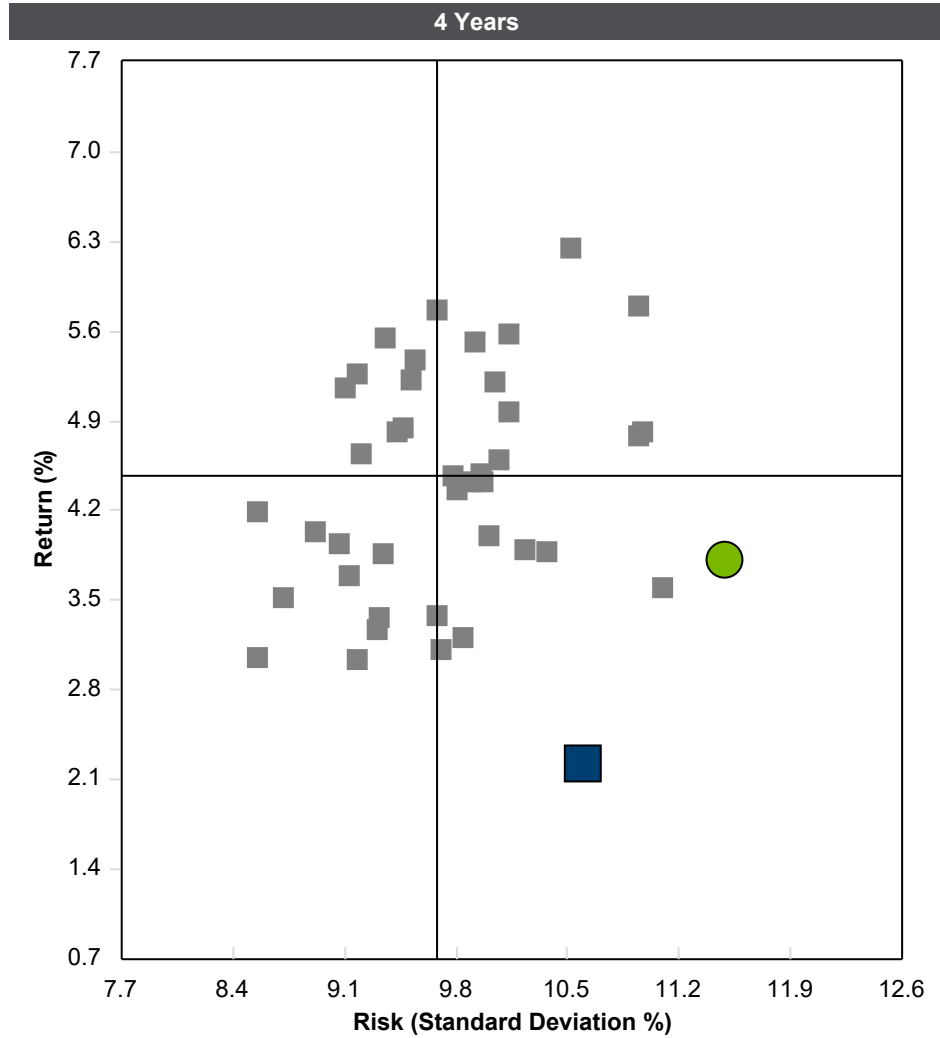
Parentheses contain percentile rankings.
Source: Aon Manager Universe

Total Fund

Peer Group Scattergram

Periods Ending 30 June 2022

Balanced Funds



	Return	Standard Deviation
■ Total Fund	2.2	10.6
● Benchmark	3.8	11.5
— Median	4.5	9.7

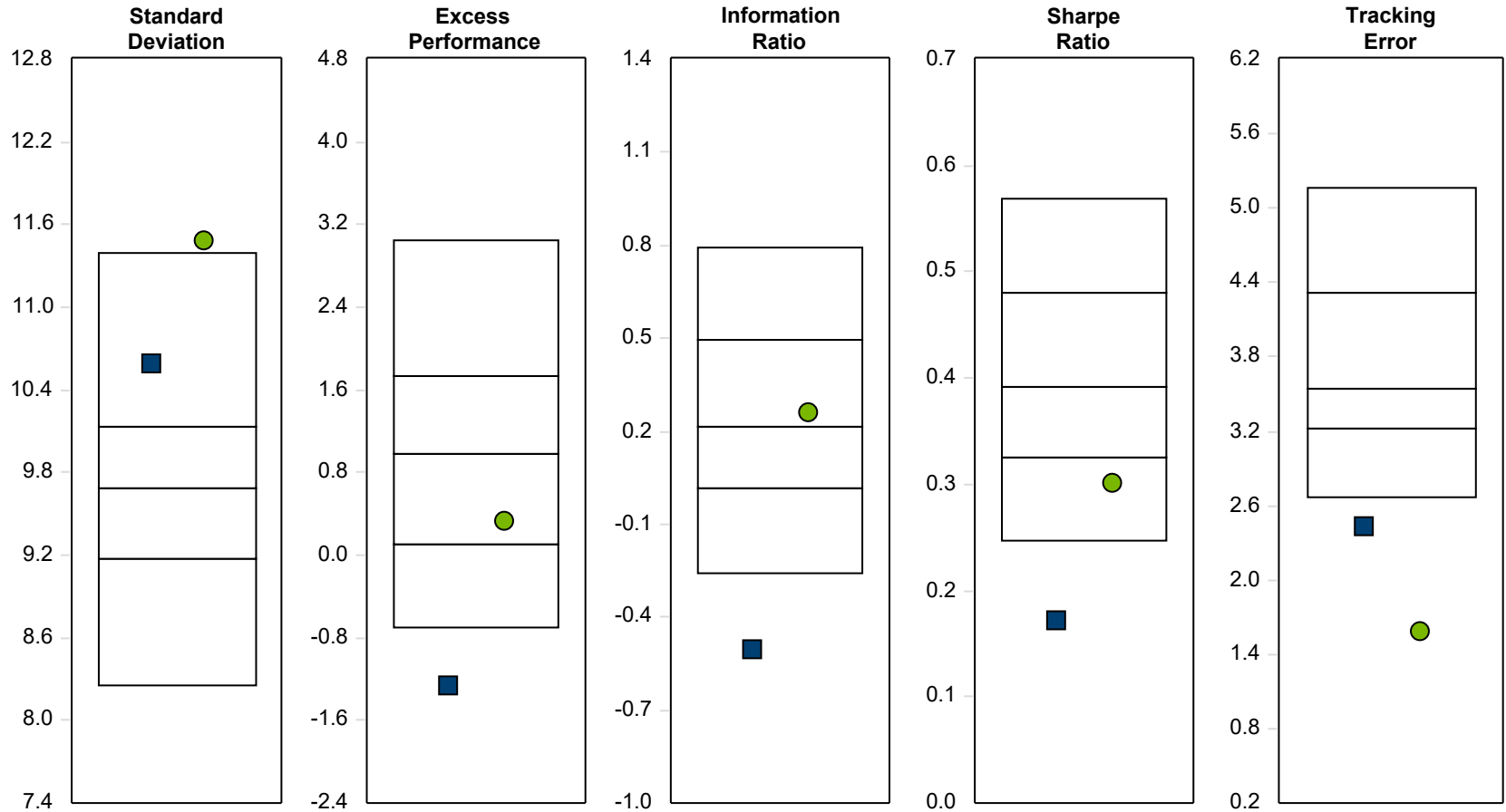
	Return	Standard Deviation
■ Total Fund	6.3	7.9
● Benchmark	6.0	8.4
— Median	7.7	7.3

Source: Aon Manager Universe

Total Fund

Peer Group Analysis - Performance Statistics

As of 30 June 2022



	4 Years		4 Years		4 Years		4 Years		4 Years	
	Total Fund	Benchmark	Total Fund	Benchmark	Total Fund	Benchmark	Total Fund	Benchmark	Total Fund	Benchmark
5th Percentile		11.4		3.1		0.8		0.6		5.2
1st Quartile		10.1		1.7		0.5		0.5		4.3
Median		9.7		1.0		0.2		0.4		3.5
3rd Quartile		9.2		0.1		0.0		0.3		3.2
95th Percentile		8.3		-0.7		-0.3		0.2		2.7
	10.6 (15)	11.5 (5)	-1.3 (100)	0.3 (72)	-0.5 (100)	0.3 (44)	0.2 (100)	0.3 (78)	2.4 (99)	1.6 (100)

Parentheses contain percentile rankings.
Source: Aon Manager Universe

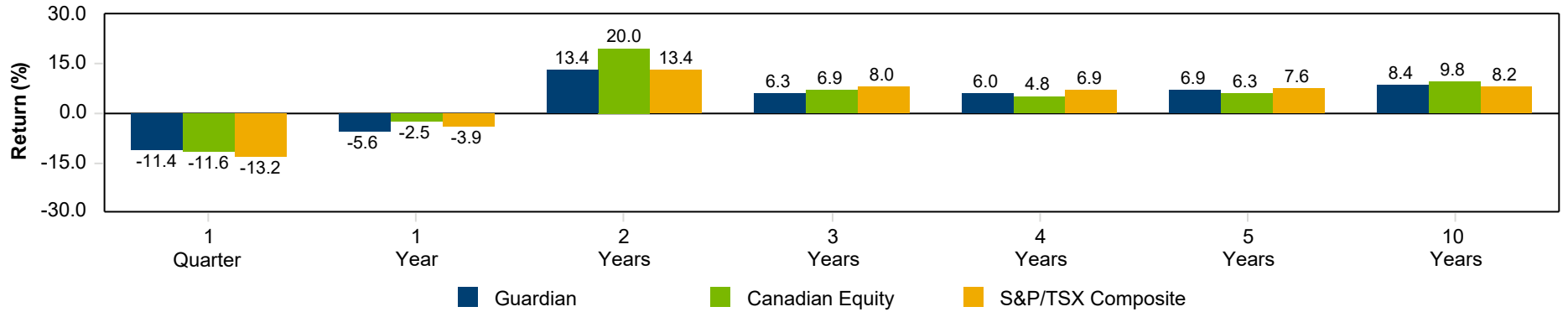
Asset Class Analysis

Canadian Equity

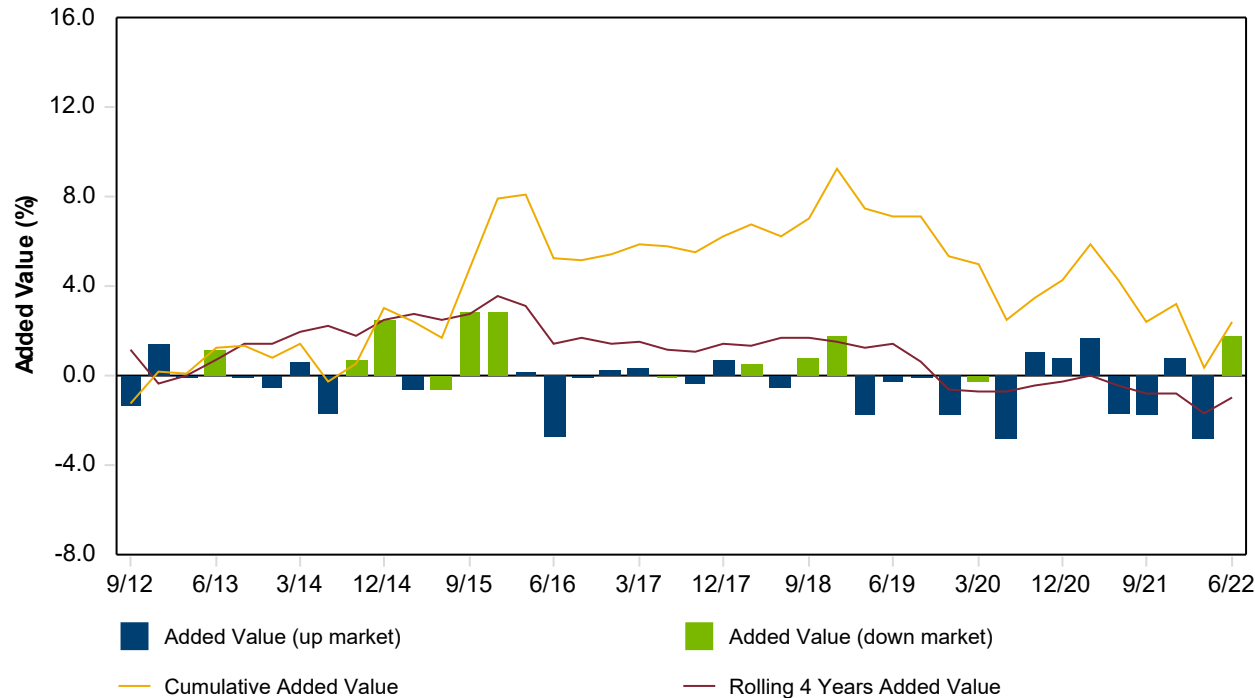
Guardian Performance Summary

As of 30 June 2022

Return Summary



Added Value History (%)



Performance Statistics

	Quarters	%
Market Capture		
Up Markets	28	91.7
Down Markets	12	79.3
Batting Average		
Up Markets	28	39.3
Down Markets	12	75.0
Overall	40	50.0

Canadian Equity

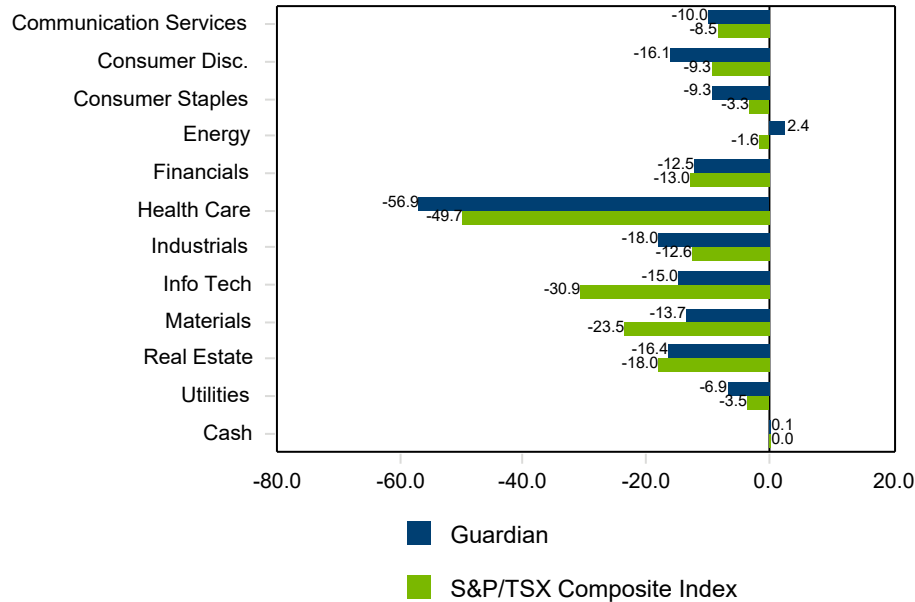
Guardian Portfolio Characteristics

As of 30 June 2022

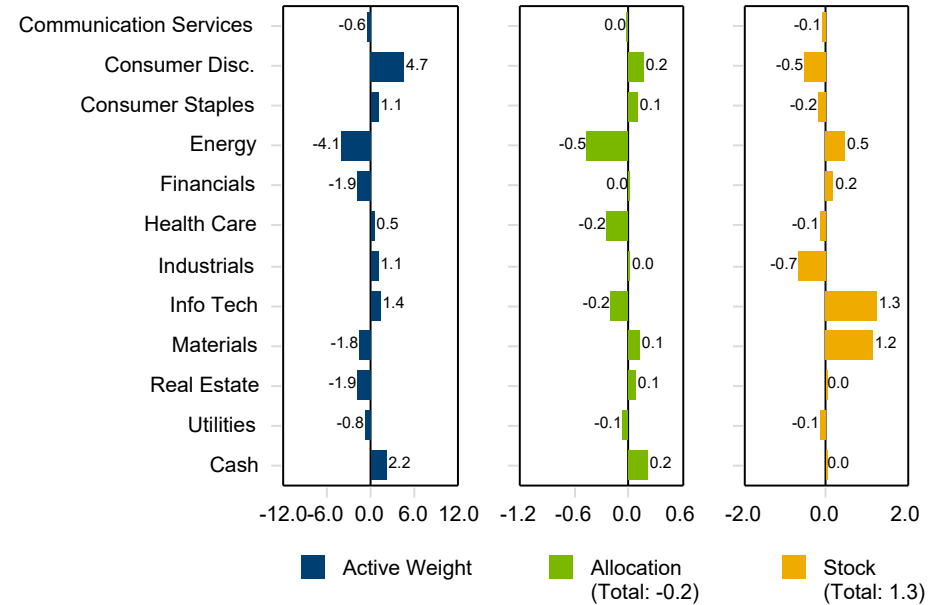
Portfolio Characteristics		
	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	51,243	60,371
Median Mkt. Cap (\$M)	21,550	3,559
Price/Earnings ratio	11.6	11.6
Price/Book ratio	2.0	2.0
5 Yr. EPS Growth Rate (%)	18.5	19.9
Current Yield (%)	3.1	3.2
Return on Equity (%)	3.8	-2.7
Debt to Equity (%)	158.8	-31.0
Number of Holdings	39	239

Manager Top Ten Holdings				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Suncor Energy	7.44	2.36	5.08	11.98
Royal Bank of Canada	7.12	6.54	0.58	-8.63
Bank of Montreal	6.40	3.08	3.32	-15.06
Canadian Pacific Railway	5.06	3.10	1.96	-12.68
CIBC	4.71	2.09	2.62	-16.53
Brookfield Asset Management	3.96	3.10	0.86	-18.76
CGI Group	3.68	0.81	2.87	2.96
TELUS	3.67	1.46	2.21	-11.25
TransCanada	3.44	2.42	1.02	-4.17
Canadian Natural Resources	3.20	2.96	0.24	-9.71
% of Portfolio	48.68	27.92	20.76	

Sector Returns (%)



Sector Performance Attribution (%)

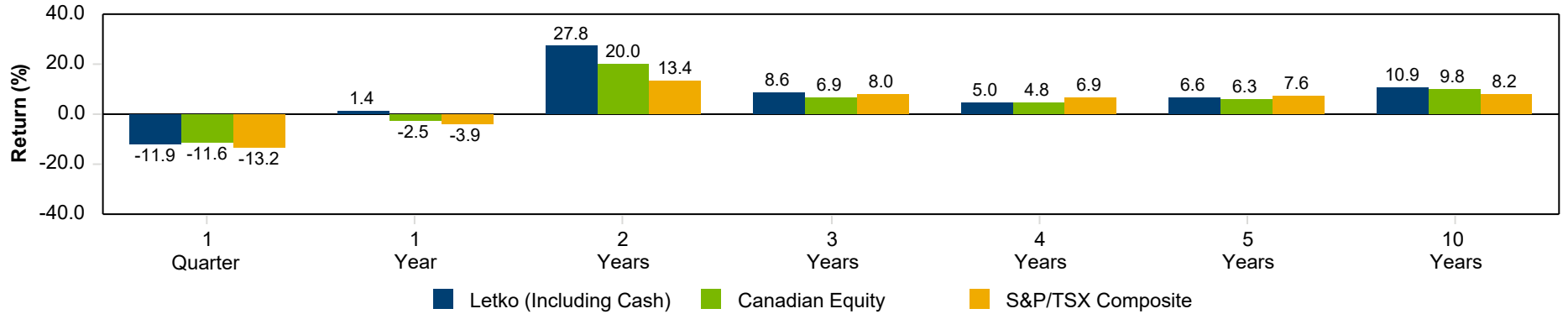


Canadian Equity

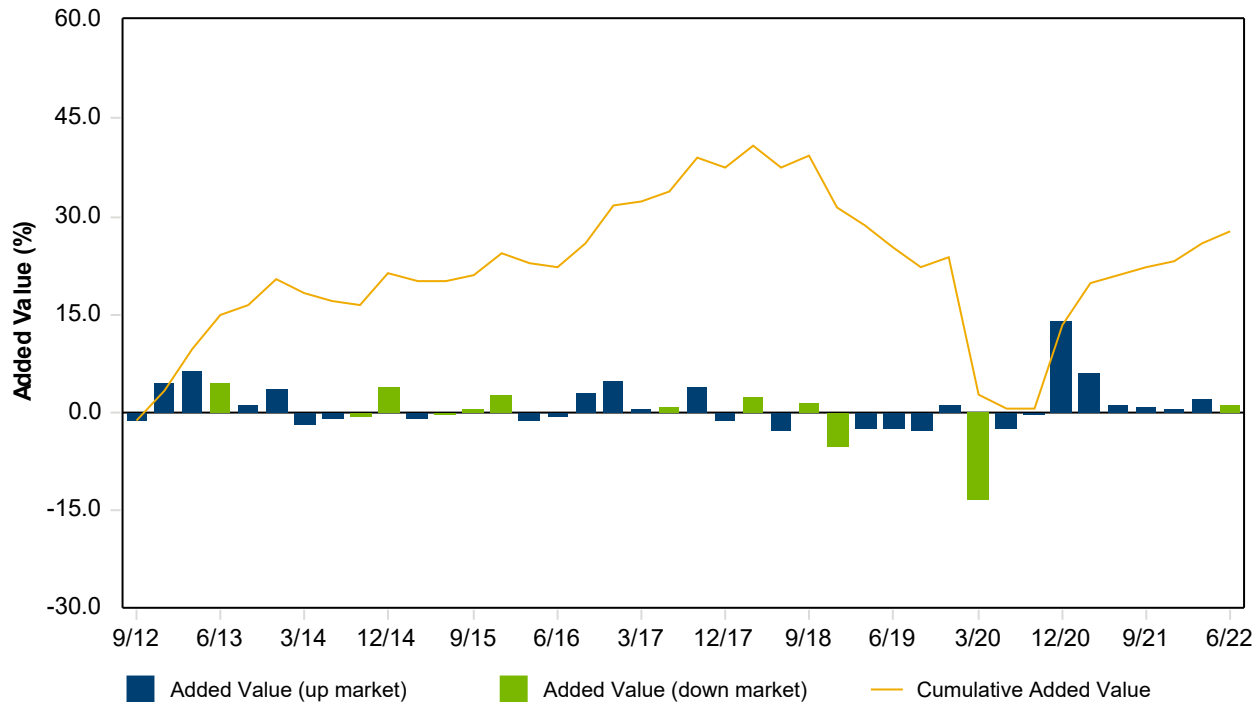
Letko Performance Summary

As of 30 June 2022

Return Summary



Added Value History (%)



Performance Statistics

	Quarters	%
Market Capture		
Up Markets	28	121.7
Down Markets	12	100.9
Batting Average		
Up Markets	28	53.6
Down Markets	12	66.7
Overall	40	57.5

Canadian Equity

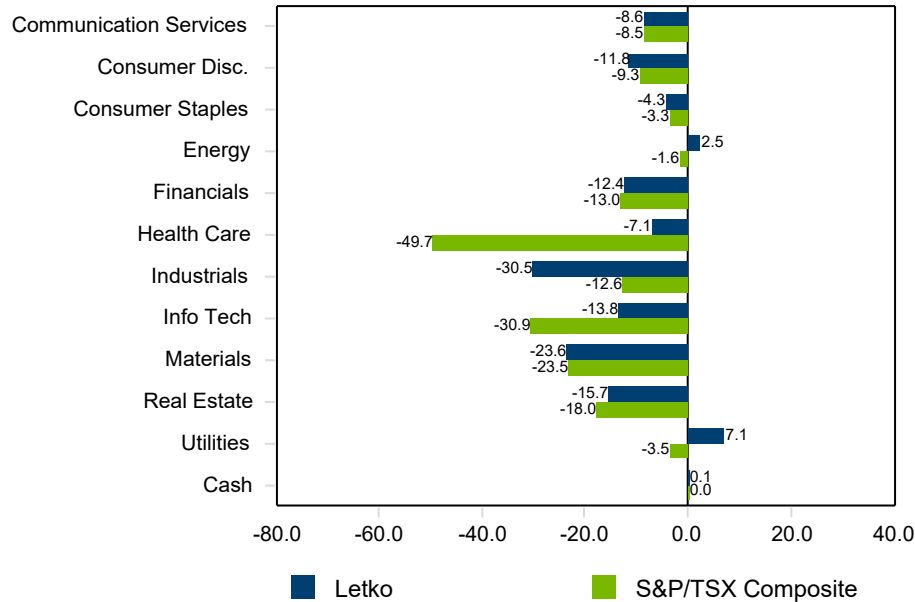
Letko Portfolio Characteristics

As of 30 June 2022

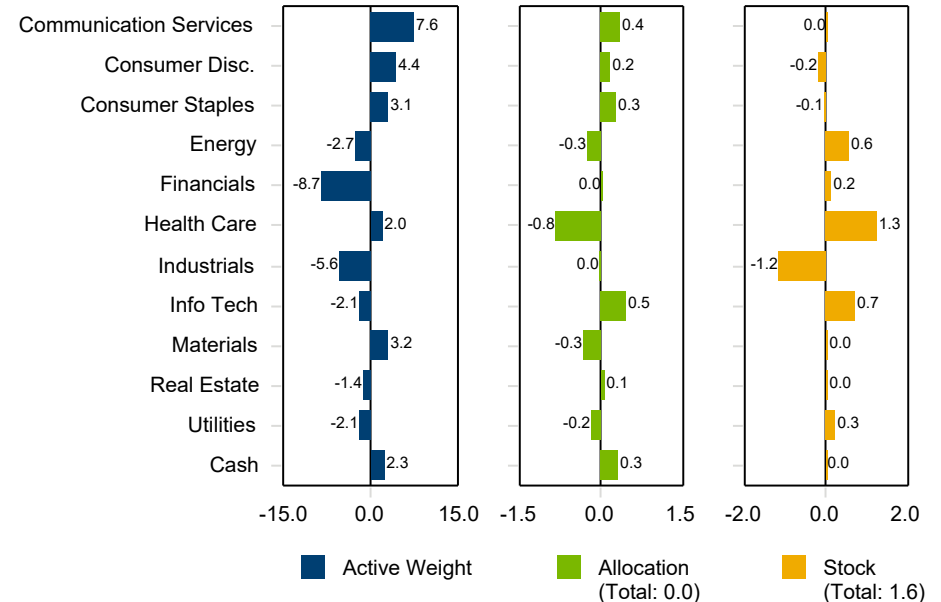
Portfolio Characteristics		
	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	51,291	60,371
Median Mkt. Cap (\$M)	19,090	3,559
Price/Earnings ratio	8.0	11.6
Price/Book ratio	1.9	2.0
5 Yr. EPS Growth Rate (%)	18.4	19.9
Current Yield (%)	3.3	3.2
Return on Equity (%)	5.7	-2.7
Debt to Equity (%)	86.9	-31.0
Number of Holdings	95	239

Manager Top Ten Holdings				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Manulife Financial	3.27	1.59	1.68	-15.05
Bank of Nova Scotia	3.16	3.40	-0.24	-14.02
George Weston	3.10	0.39	2.71	-1.88
Toronto-Dominion Bank	3.02	5.69	-2.67	-14.11
Bank of Montreal	3.00	3.08	-0.08	-15.06
Suncor Energy	2.83	2.36	0.47	11.98
Rogers Communications	2.82	0.80	2.02	-12.13
Cenovus Energy	2.77	1.13	1.64	17.94
Royal Bank of Canada	2.68	6.54	-3.86	-8.63
BCE	2.67	2.13	0.54	-7.38
% of Portfolio	29.32	27.11	2.21	

Sector Returns (%)



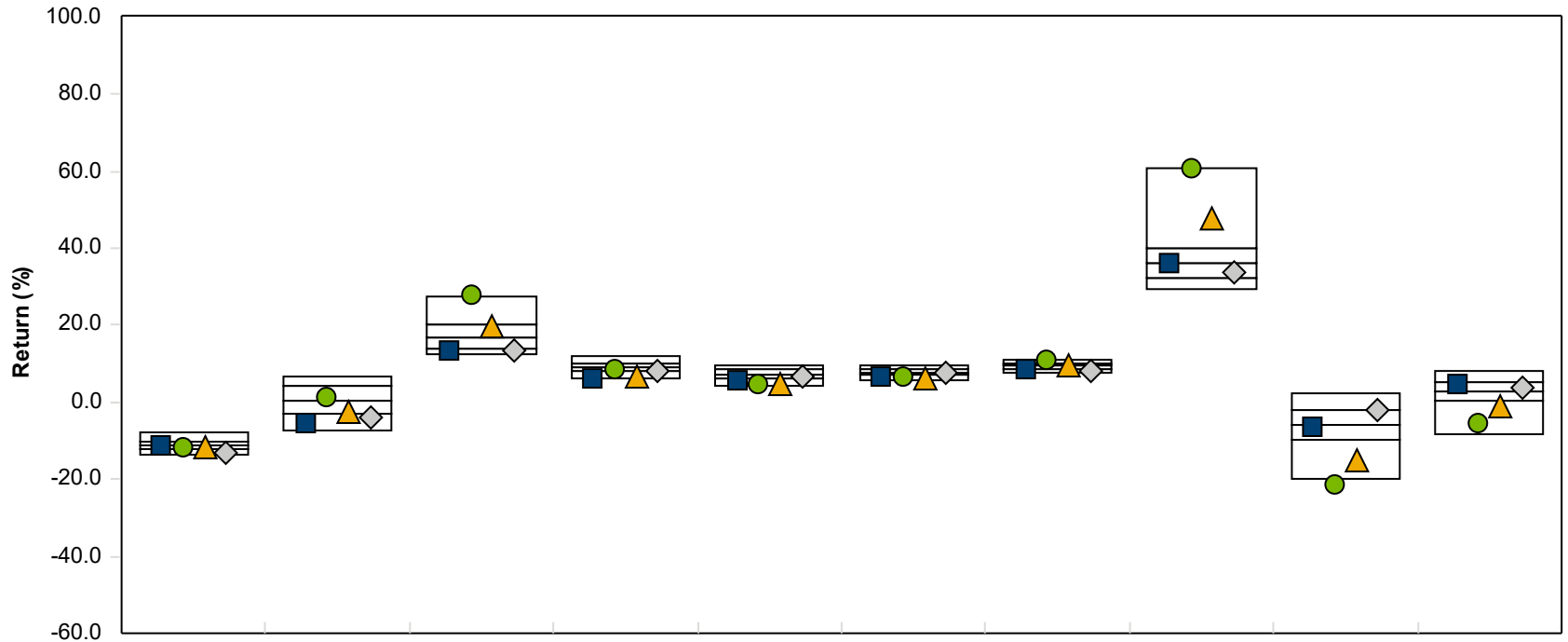
Sector Performance Attribution (%)



Canadian Equity

Peer Group Analysis

As of 30 June 2022
Canadian Equity



	1 Quarter	1 Year	2 Years	3 Years	4 Years	5 Years	10 Years	1 Year Ending Jun-2021	1 Year Ending Jun-2020	1 Year Ending Jun-2019
■ Guardian	-11.4 (59)	-5.6 (93)	13.4 (84)	6.3 (95)	6.0 (81)	6.9 (77)	8.4 (83)	36.2 (51)	-6.5 (55)	4.8 (29)
● Letko	-11.9 (67)	1.4 (39)	27.8 (5)	8.6 (58)	5.0 (93)	6.6 (83)	10.9 (6)	61.0 (5)	-21.5 (99)	-5.2 (90)
▲ Total Canadian Equities	-11.6 (62)	-2.5 (73)	20.0 (26)	6.9 (94)	4.8 (94)	6.3 (89)	9.8 (40)	47.6 (17)	-15.1 (92)	-1.1 (80)
◆ S&P/TSX Composite	-13.2 (94)	-3.9 (85)	13.4 (84)	8.0 (75)	6.9 (64)	7.6 (55)	8.2 (87)	33.9 (63)	-2.2 (30)	3.9 (40)
5th Percentile	-7.6	6.5	27.6	11.9	9.5	9.8	10.9	60.6	2.3	7.9
1st Quartile	-10.0	4.1	20.0	9.9	8.5	8.7	10.3	40.3	-1.8	5.4
Median	-11.1	0.3	16.7	8.9	7.3	7.8	9.5	36.2	-5.7	3.1
3rd Quartile	-12.0	-2.9	14.2	8.0	6.1	7.0	8.7	32.5	-9.5	0.4
95th Percentile	-13.5	-7.3	12.3	6.2	4.5	5.7	7.8	29.4	-19.7	-8.2
Population	83	83	83	83	83	83	83	86	90	99

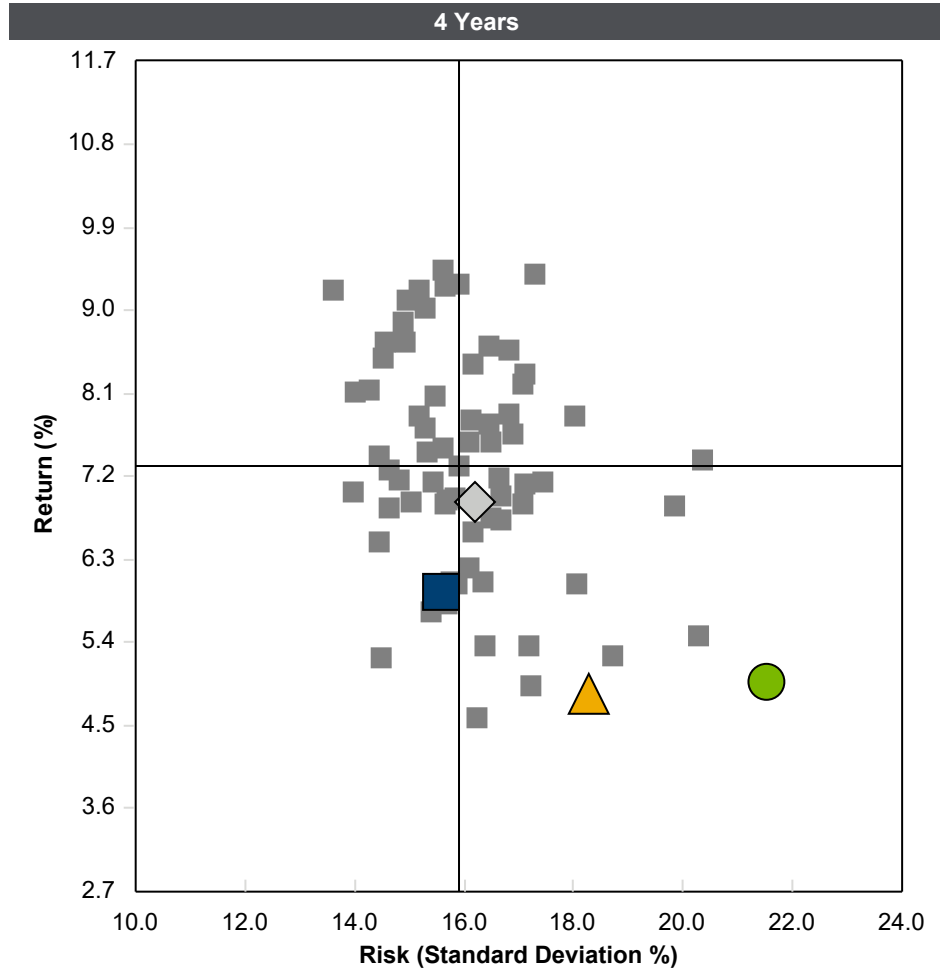
Parentheses contain percentile rankings.
Source: Aon Manager Universe

Canadian Equity

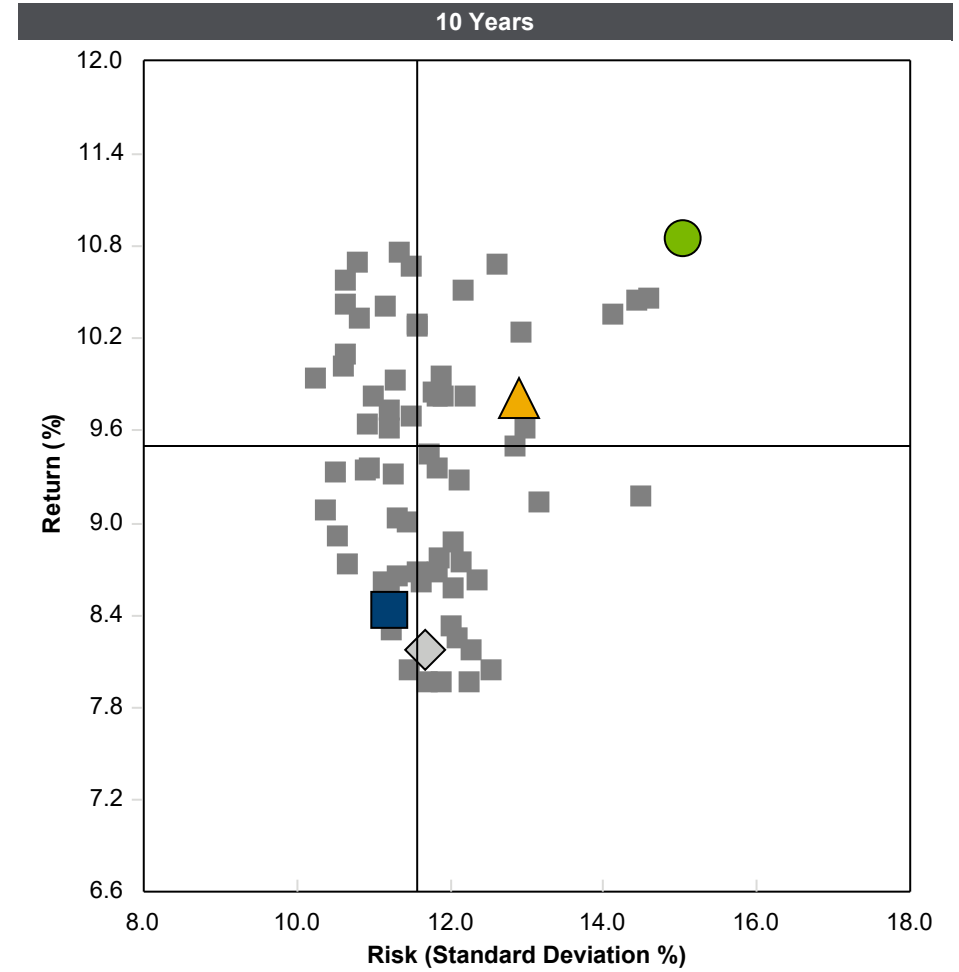
Peer Group Scattergram

Periods Ending 30 June 2022

Canadian Equity



	Return	Standard Deviation
Guardian	6.0	15.6
Letko	5.0	21.5
Canadian Equity	4.8	18.3
S&P/TSX Composite	6.9	16.2
— Median	7.3	15.9

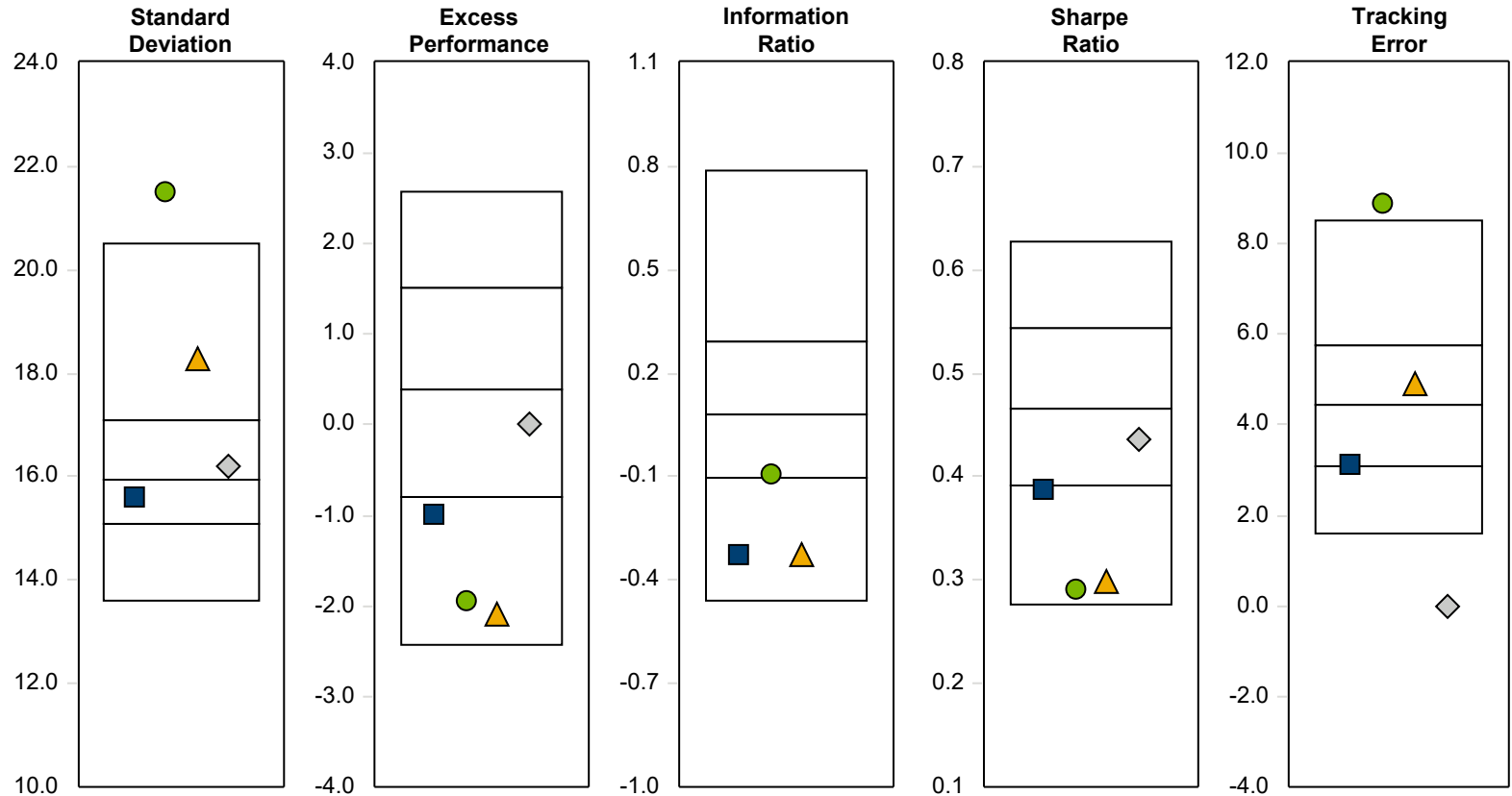


	Return	Standard Deviation
Guardian	8.4	11.2
Letko	10.9	15.0
Canadian Equity	9.8	12.9
S&P/TSX Composite	8.2	11.7
— Median	9.5	11.6

Source: Aon Manager Universe

Peer Group Analysis - Performance Statistics

As of 30 June 2022



	4 Years	4 Years	4 Years	4 Years	4 Years
■ Guardian	15.6 (64)	-1.0 (81)	-0.3 (89)	0.4 (77)	3.1 (75)
● Letko	21.5 (3)	-2.0 (93)	-0.1 (75)	0.3 (95)	8.9 (5)
▲ Total Canadian Equities	18.3 (14)	-2.1 (94)	-0.3 (89)	0.3 (93)	4.9 (39)
◆ S&P/TSX Composite	16.2 (44)	0.0 (64)	N/A	0.4 (63)	0.0 (100)
5th Percentile	20.5	2.6	0.8	0.6	8.5
1st Quartile	17.1	1.5	0.3	0.5	5.8
Median	15.9	0.4	0.1	0.5	4.4
3rd Quartile	15.1	-0.8	-0.1	0.4	3.1
95th Percentile	13.6	-2.4	-0.5	0.3	1.6

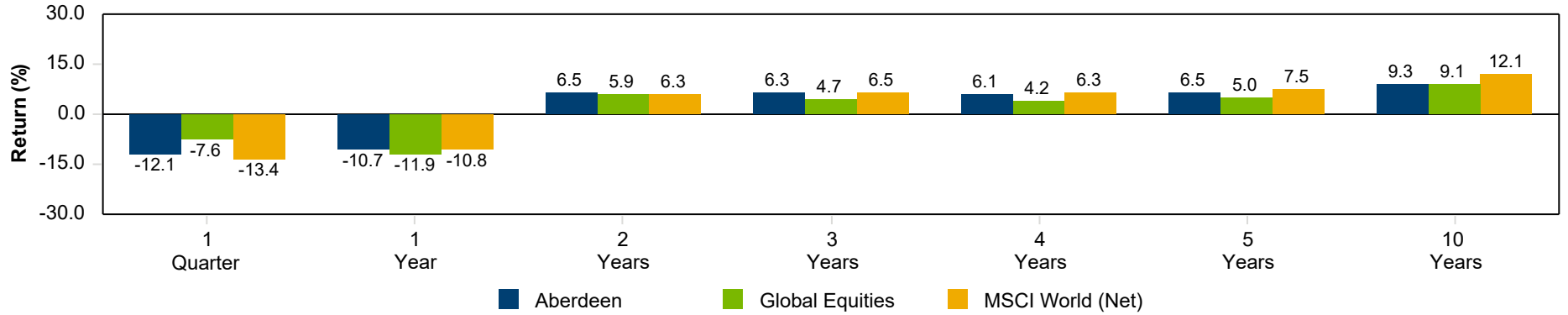
Parentheses contain percentile rankings.
Source: Aon Manager Universe

Global Equity

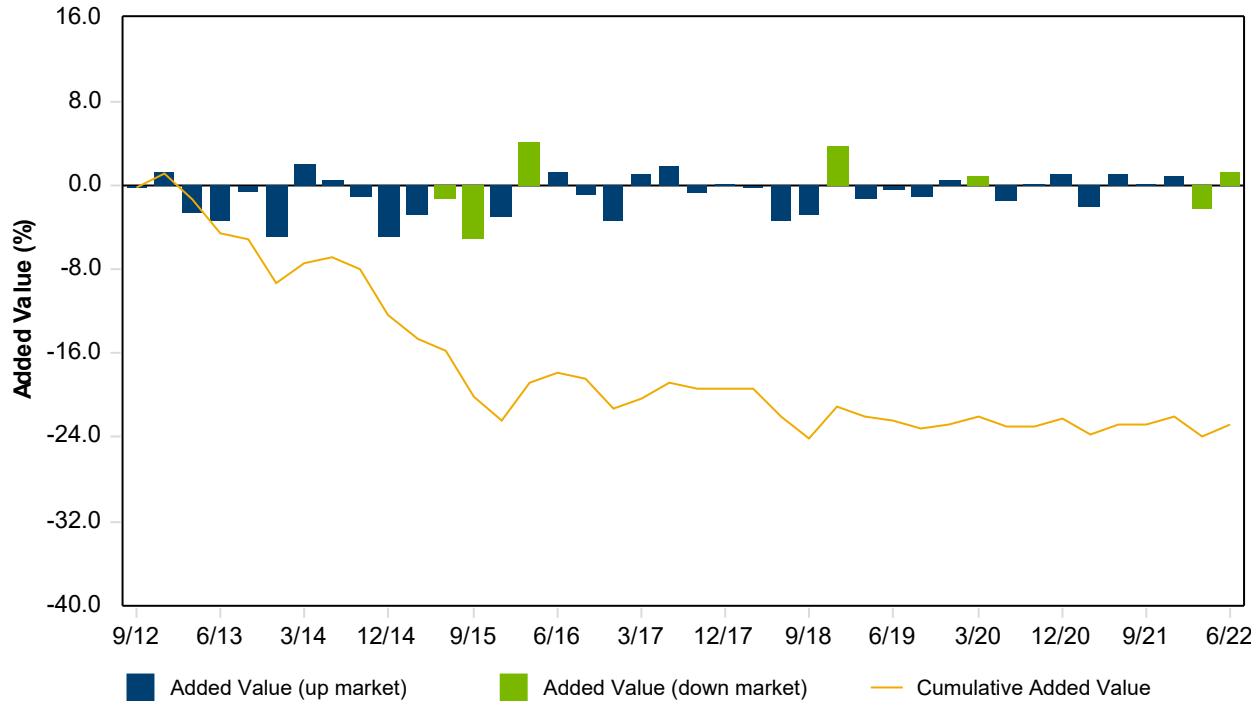
Aberdeen Performance Summary

As of 30 June 2022

Return Summary



Added Value History (%)



Performance Statistics

	Quarters	%
Market Capture		
Up Markets	33	83.5
Down Markets	7	97.1
Batting Average		
Up Markets	33	39.4
Down Markets	7	57.1
Overall	40	42.5

Global Equity

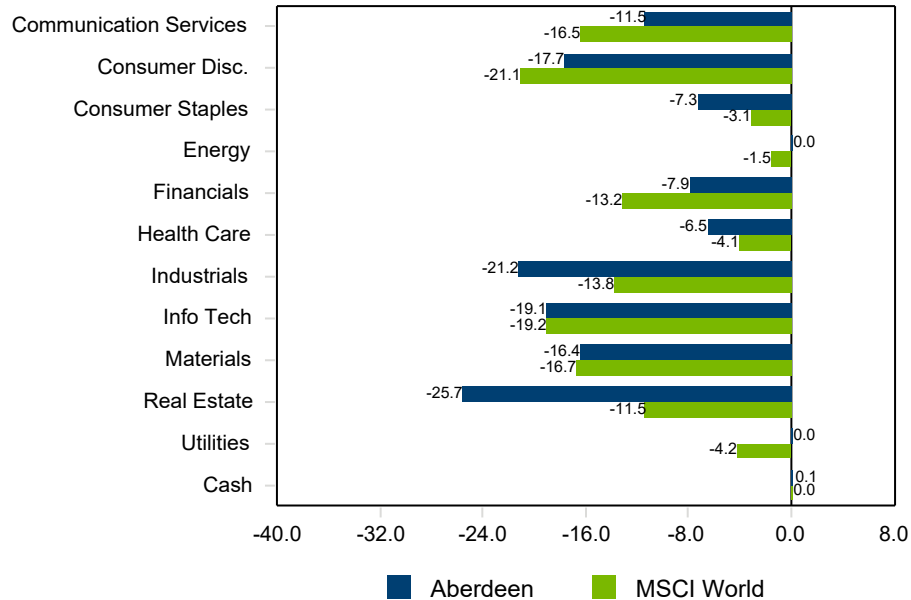
Aberdeen Portfolio Characteristics

As of 30 June 2022

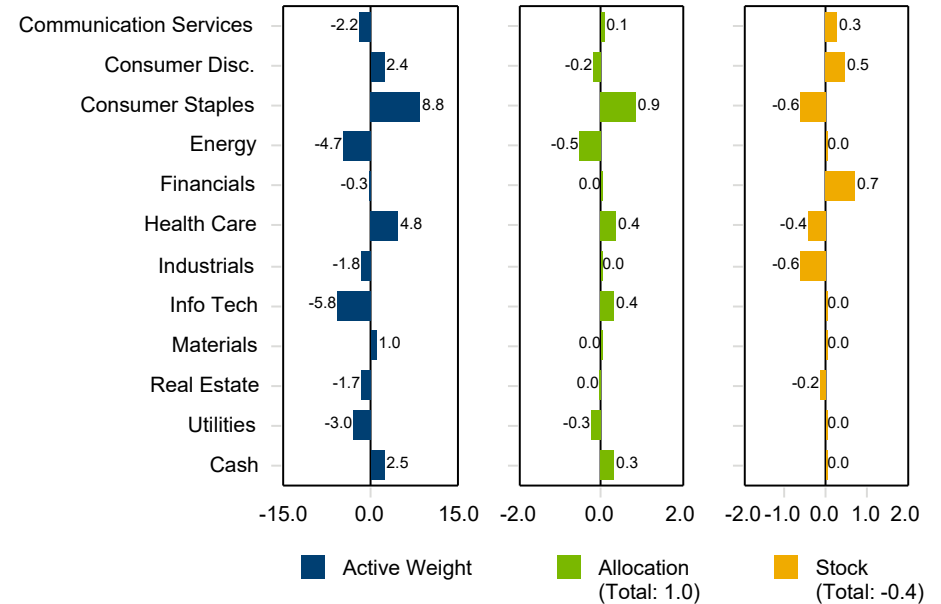
Portfolio Characteristics		
	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	365,328	432,500
Median Mkt. Cap (\$M)	107,104	21,081
Price/Earnings ratio	21.7	16.3
Price/Book ratio	4.4	3.3
5 Yr. EPS Growth Rate (%)	17.1	17.7
Current Yield (%)	1.5	2.3
Return on Equity (%)	7.2	3.3
Debt to Equity (%)	84.5	71.0
Number of Holdings	46	1,513

Manager Top Ten Holdings				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Microsoft	4.50	3.72	0.78	-13.76
AIA Group	3.69	0.27	3.42	7.81
Amazon.com	3.56	1.98	1.58	-32.71
LVMH	3.17	0.34	2.83	-12.08
AstraZeneca	3.03	0.41	2.62	1.54
Nestle	3.01	0.67	2.34	-5.89
Google	2.98	1.33	1.65	-19.08
Diageo	2.89	0.20	2.69	-12.95
Taiwan Semiconductor ADR	2.78	0.00	2.78	-18.58
Estee Lauder	2.70	0.12	2.58	-3.19
% of Portfolio	32.31	9.04	23.27	

Sector Returns (%)



Sector Performance Attribution (%)

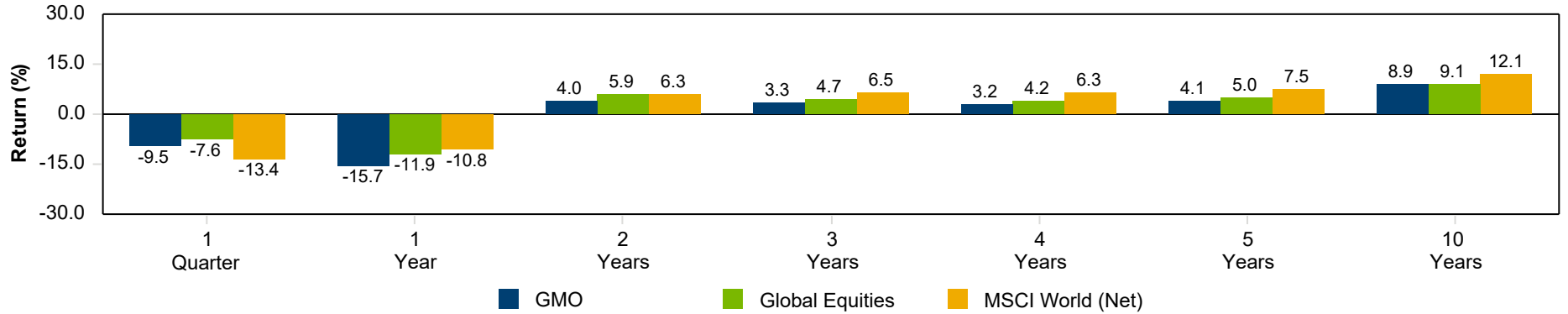


Global Equity

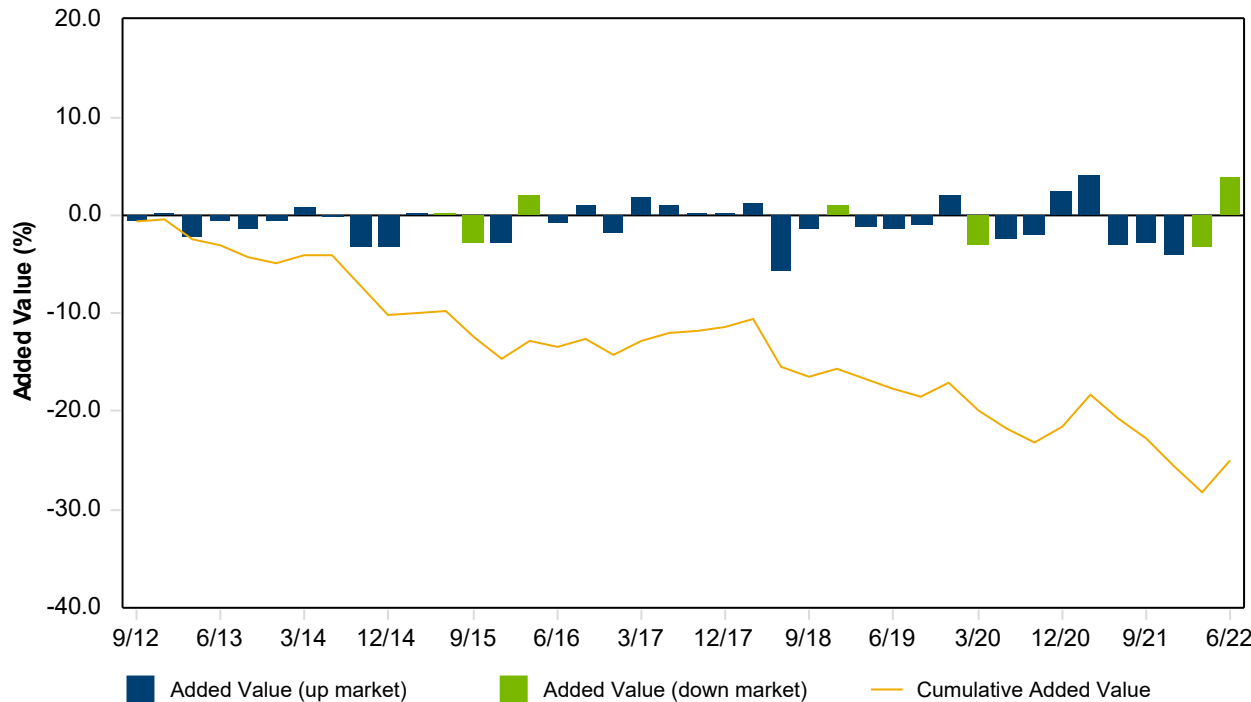
GMO Performance Summary

As of 30 June 2022

Return Summary



Added Value History (%)



Performance Statistics

	Quarters	%
Market Capture		
Up Markets	33	84.4
Down Markets	7	103.7
Batting Average		
Up Markets	33	36.4
Down Markets	7	57.1
Overall	40	40.0

Global Equity

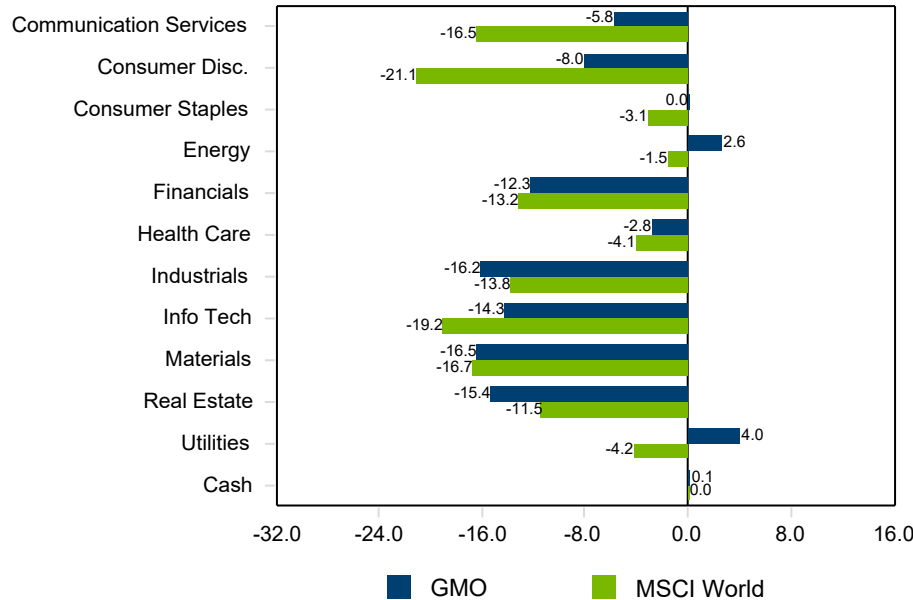
GMO Portfolio Characteristics

As of 30 June 2022

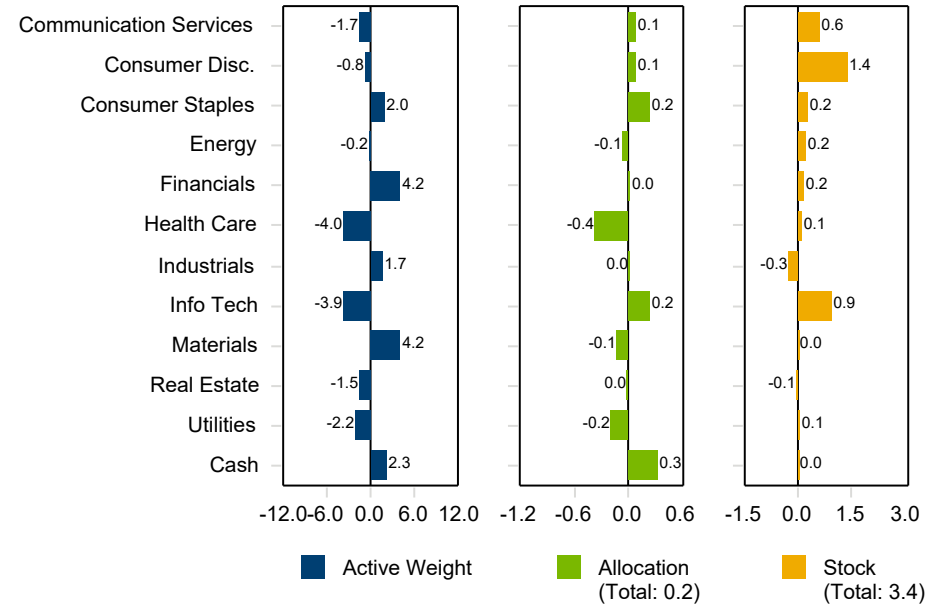
Portfolio Characteristics		
	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	168,516	432,500
Median Mkt. Cap (\$M)	3,426	21,081
Price/Earnings ratio	9.0	16.3
Price/Book ratio	2.2	3.3
5 Yr. EPS Growth Rate (%)	14.9	17.7
Current Yield (%)	4.2	2.3
Return on Equity (%)	12.5	3.3
Debt to Equity (%)	52.1	71.0
Number of Holdings	1,148	1,513

Manager Top Ten Holdings				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Roche	1.51	0.48	1.03	-13.70
Microsoft	1.31	3.72	-2.41	-13.76
Apple	1.14	4.54	-3.40	-19.02
Taiwan Semiconductor ADR	1.05	0.00	1.05	-18.58
British American Tobacco	1.00	0.19	0.81	4.95
Taiwan Semiconductor	0.97	0.00	0.97	-20.22
KDDI	0.94	0.10	0.84	-1.19
Samsung Electronics	0.93	0.00	0.93	-20.56
Rio Tinto Group	0.84	0.05	0.79	-18.46
Nippon Telegraph & Telephone	0.82	0.07	0.75	1.40
% of Portfolio	10.51	9.15	1.36	

Sector Returns (%)



Sector Performance Attribution (%)

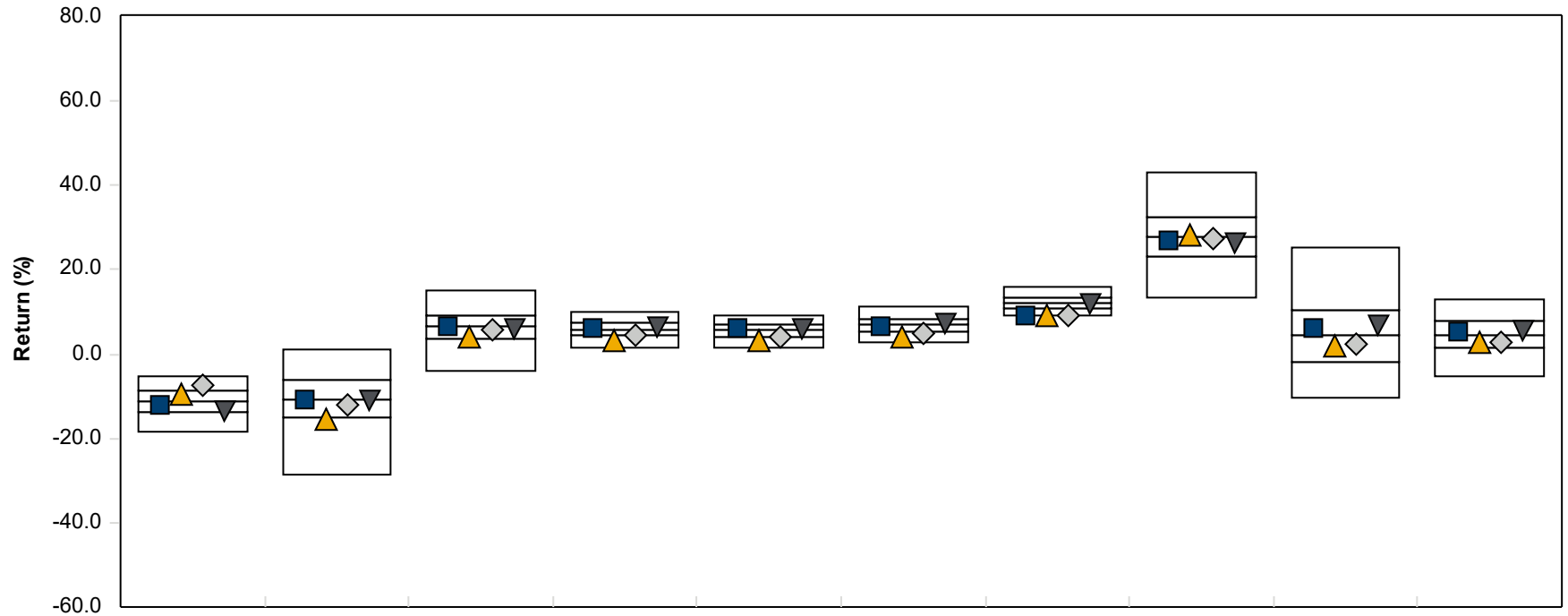


Global Equity

Peer Group Analysis

As of 30 June 2022

Global Equity



	1 Quarter	1 Year	2 Years	3 Years	4 Years	5 Years	10 Years	1 Year Ending Jun-2021	1 Year Ending Jun-2020	1 Year Ending Jun-2019
■ Aberdeen	-12.1 (58)	-10.7 (51)	6.5 (53)	6.3 (41)	6.1 (43)	6.5 (57)	9.3 (95)	27.0 (59)	6.0 (45)	5.4 (43)
▲ GMO	-9.5 (30)	-15.7 (79)	4.0 (75)	3.3 (86)	3.2 (85)	4.1 (90)	8.9 (96)	28.3 (49)	1.9 (64)	2.8 (67)
◆ Global Equities	-7.6 (19)	-11.9 (60)	5.9 (58)	4.7 (71)	4.2 (69)	5.0 (79)	9.1 (96)	27.3 (56)	2.3 (62)	2.8 (66)
▼ MSCI World (Net)	-13.4 (74)	-10.8 (52)	6.3 (55)	6.5 (39)	6.3 (39)	7.5 (39)	12.1 (53)	26.6 (60)	6.9 (40)	5.7 (41)
5th Percentile	-5.2	1.1	14.9	9.8	9.3	11.1	15.8	43.0	25.4	13.0
1st Quartile	-8.9	-6.1	9.3	7.3	7.2	8.4	13.3	32.6	10.3	7.8
Median	-11.4	-10.6	6.8	5.9	5.6	7.0	12.3	28.0	4.5	4.5
3rd Quartile	-13.6	-14.8	3.8	4.4	3.9	5.2	10.9	23.1	-1.9	1.5
95th Percentile	-18.5	-28.8	-3.9	1.4	1.4	3.0	9.2	13.5	-10.4	-5.1
Population	279	279	279	279	279	279	279	303	342	365

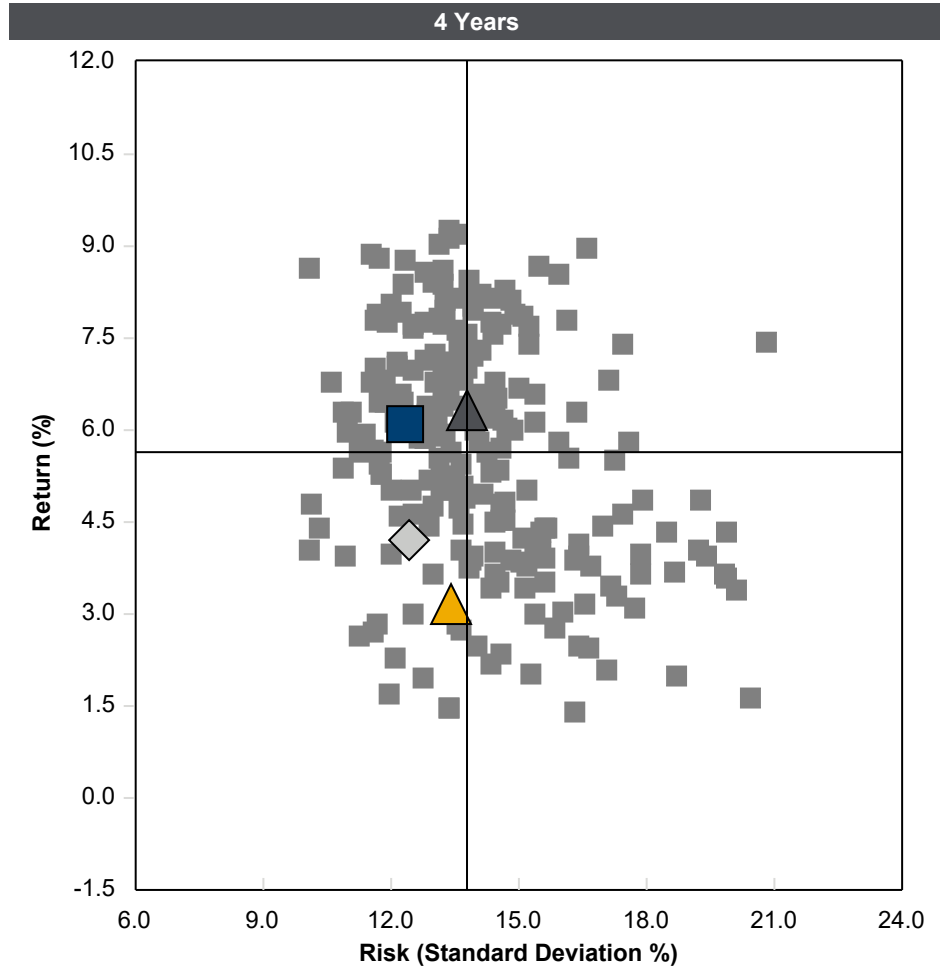
Parentheses contain percentile rankings.
Source: Aon Manager Universe

Global Equity

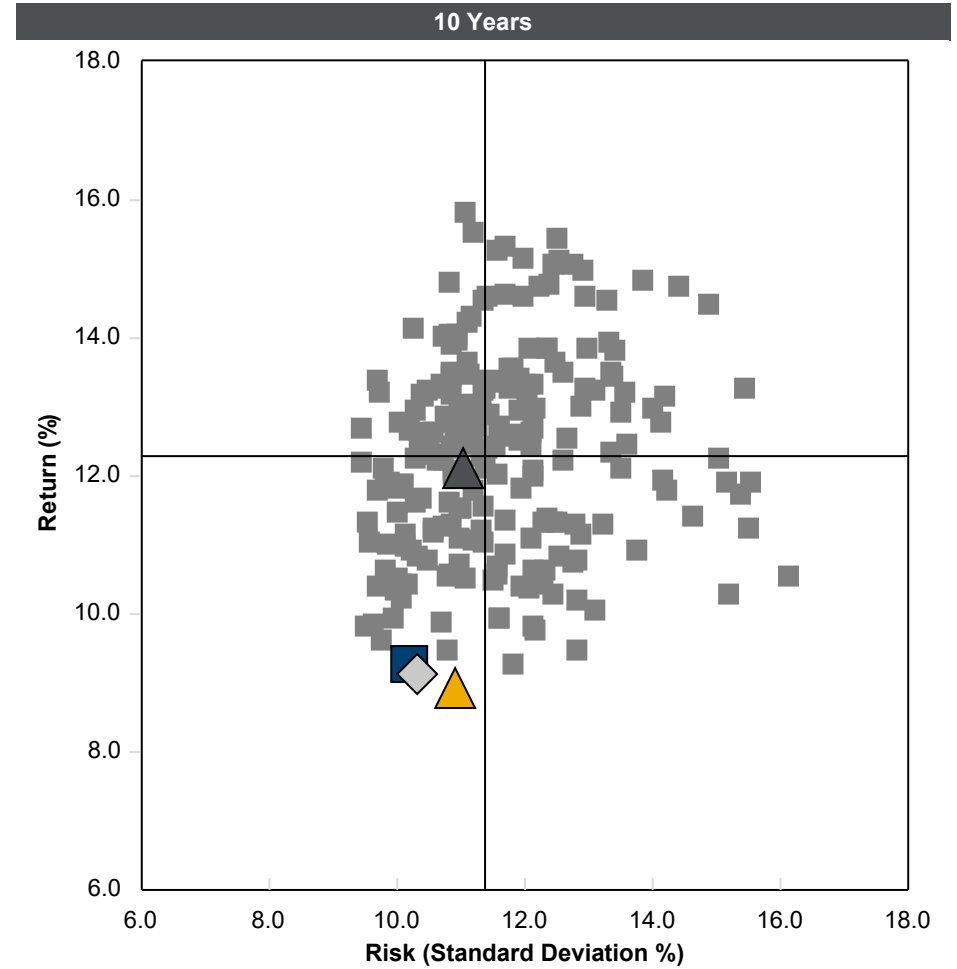
Peer Group Scattergram

Periods Ending 30 June 2022

Global Equity



	Return	Standard Deviation
■ Aberdeen	6.1	12.3
▲ GMO	3.2	13.4
◇ Global Equities	4.2	12.4
▲ MSCI World (Net)	6.3	13.8
— Median	5.6	13.8



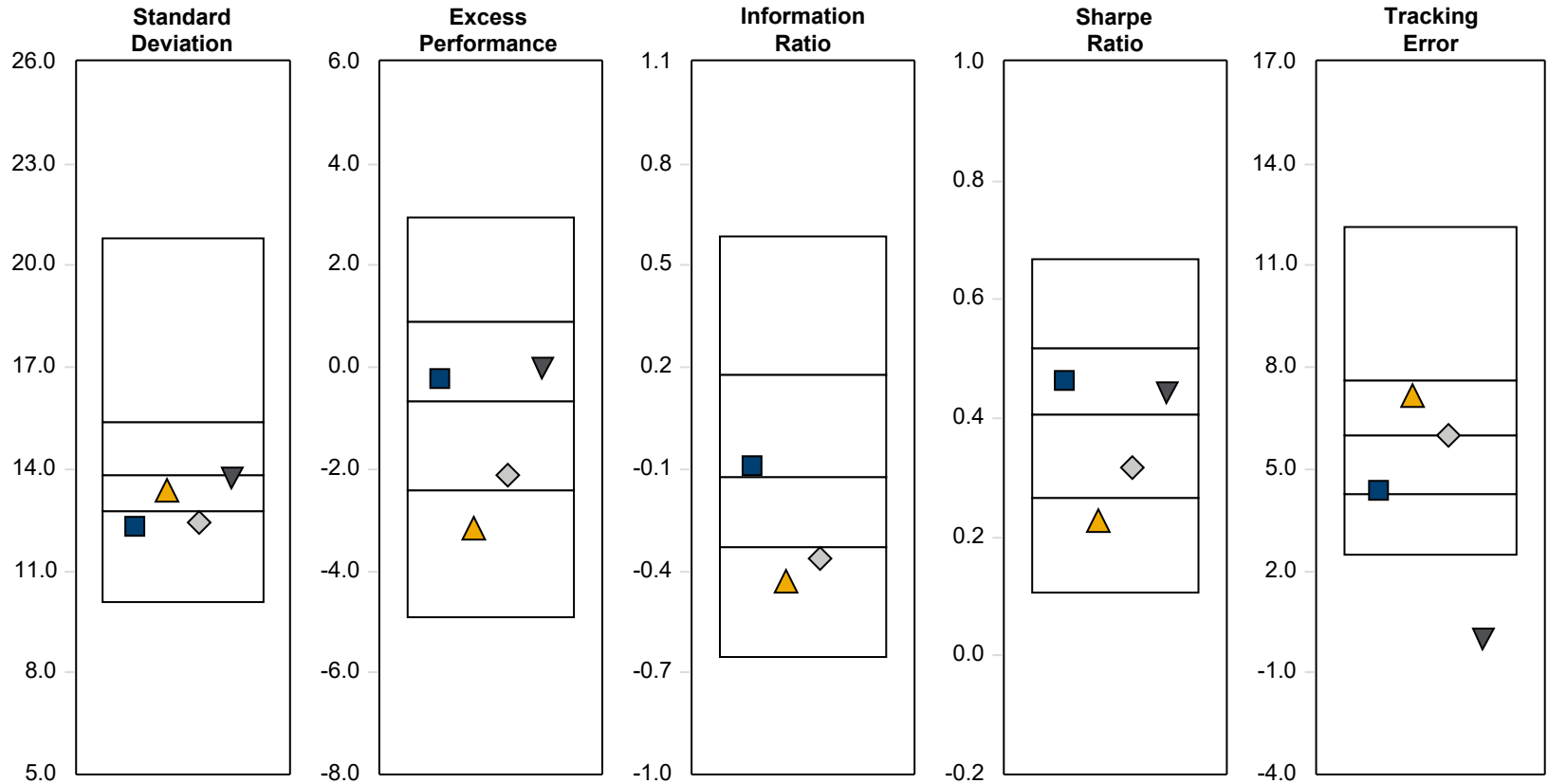
	Return	Standard Deviation
■ Aberdeen	9.3	10.2
▲ GMO	8.9	10.9
◇ Global Equities	9.1	10.3
▲ MSCI World (Net)	12.1	11.0
— Median	12.3	11.4

Source: Aon Manager Universe

Global Equity

Peer Group Analysis - Performance Statistics

As of 30 June 2022



	4 Years	4 Years	4 Years	4 Years	4 Years
■ Aberdeen	12.3 (79)	-0.2 (43)	-0.1 (48)	0.5 (38)	4.4 (71)
▲ GMO	13.4 (60)	-3.1 (85)	-0.4 (86)	0.2 (83)	7.1 (34)
◇ Global Equities	12.4 (79)	-2.1 (69)	-0.4 (80)	0.3 (66)	6.0 (50)
▼ MSCI World (Net)	13.8 (51)	0.0 (39)	N/A	0.4 (42)	0.0 (100)
5th Percentile	20.8	3.0	0.6	0.7	12.2
1st Quartile	15.4	0.9	0.2	0.5	7.6
Median	13.8	-0.7	-0.1	0.4	6.0
3rd Quartile	12.8	-2.4	-0.3	0.3	4.2
95th Percentile	10.1	-4.9	-0.7	0.1	2.5

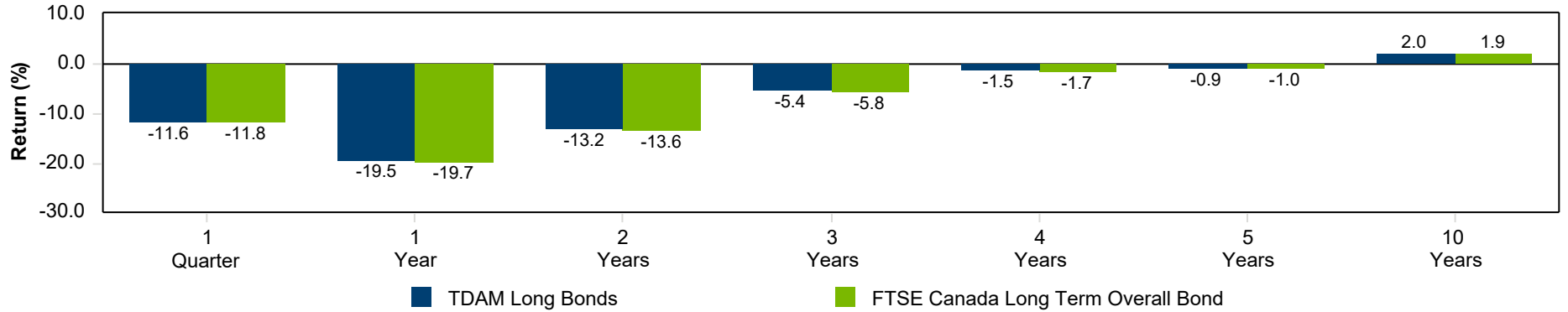
Parentheses contain percentile rankings.
Source: Aon Manager Universe

Bonds

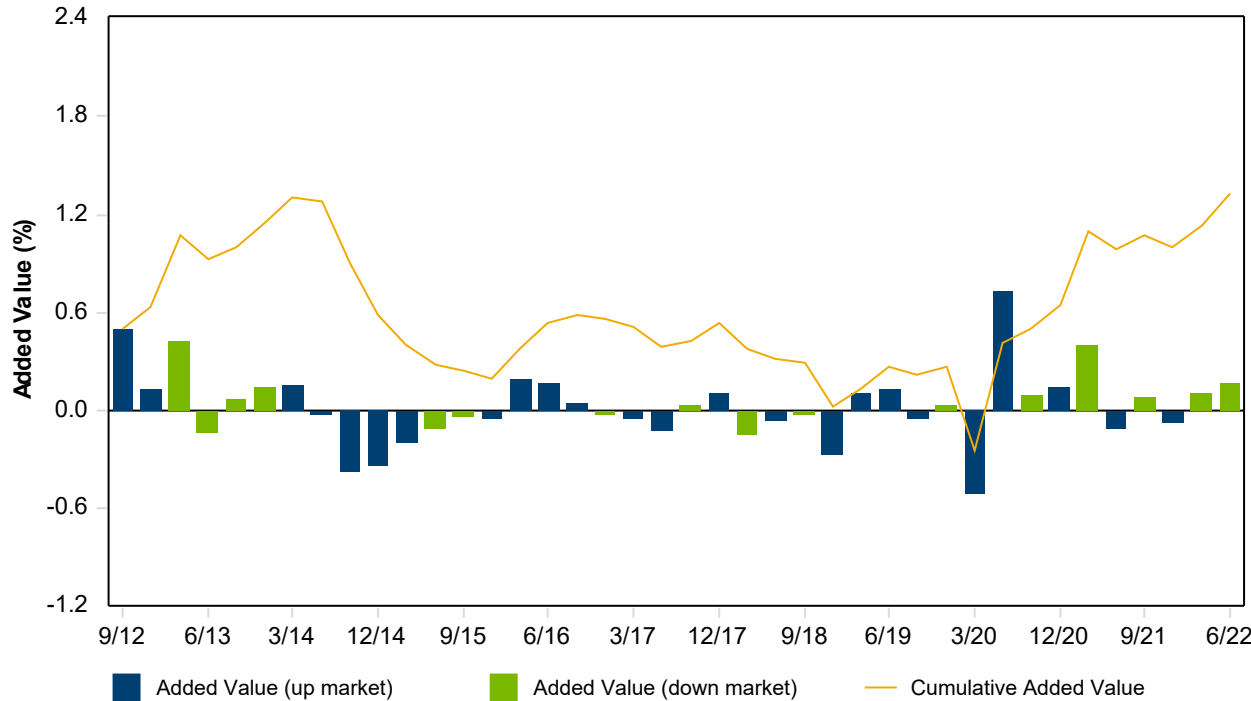
TDAM Long Bonds Performance Summary

As of 30 June 2022

Return Summary



Added Value History (%)



Performance Statistics

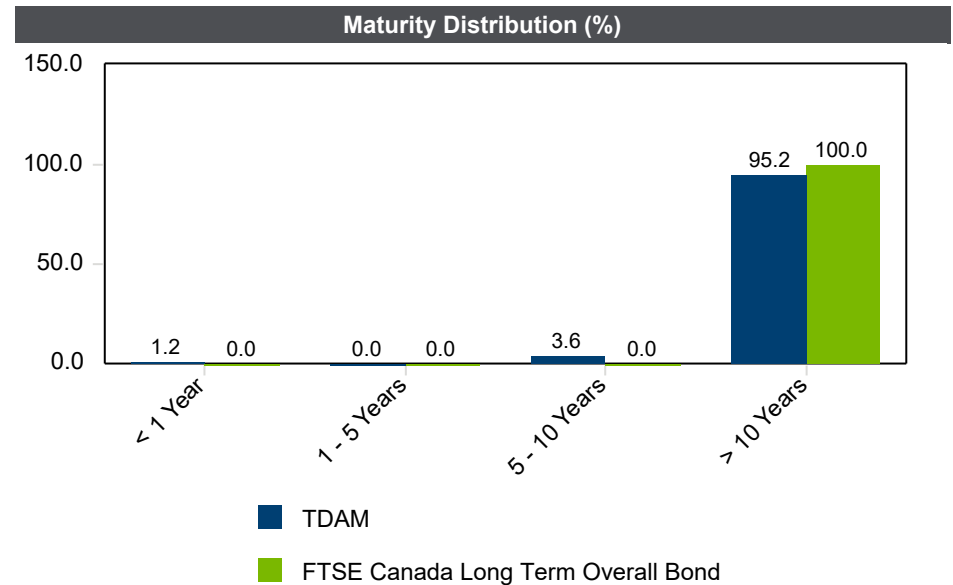
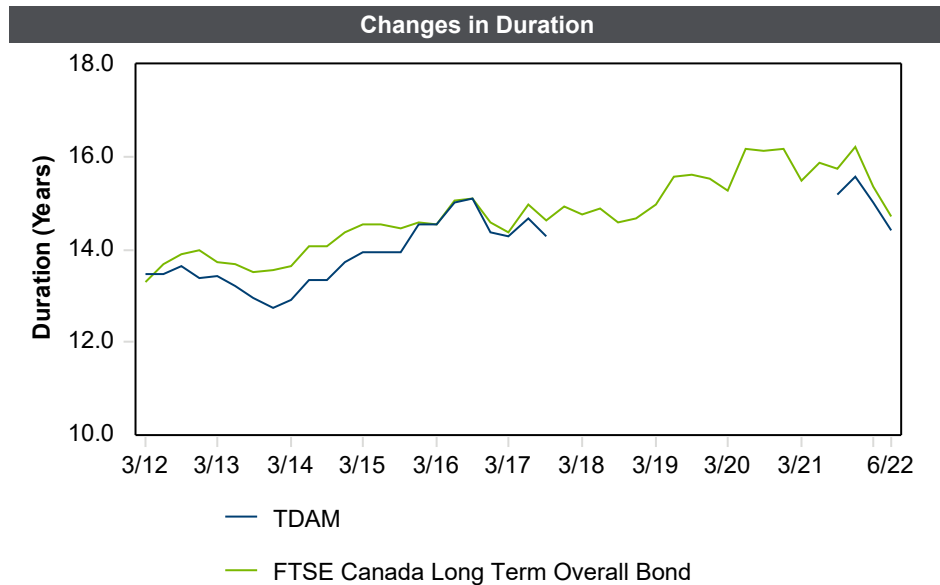
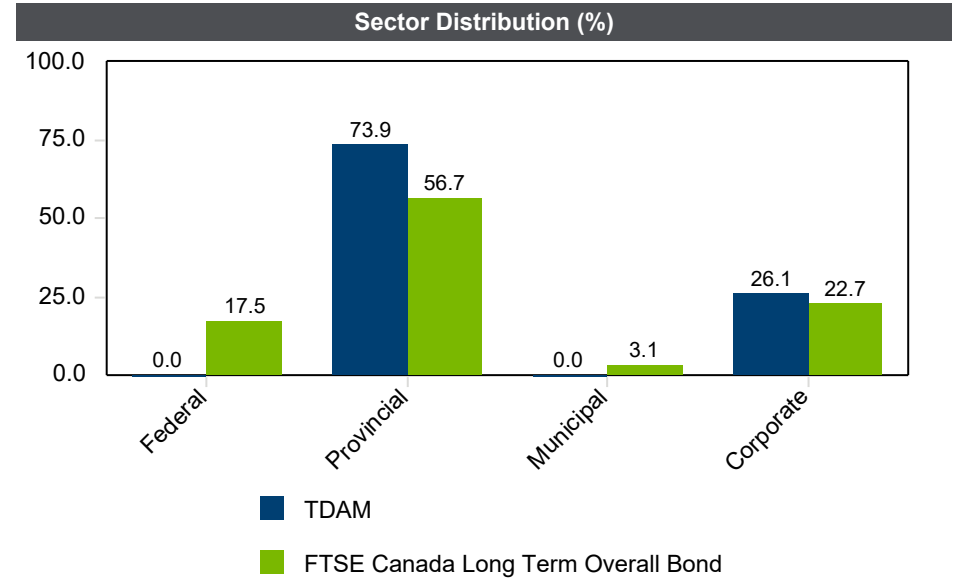
	Quarters	%
Market Capture		
Up Markets	24	100.3
Down Markets	16	98.3
Batting Average		
Up Markets	24	45.8
Down Markets	16	62.5
Overall	40	52.5

Bonds

TDAM Long Bond Fund Characteristics

As of 30 June 2022

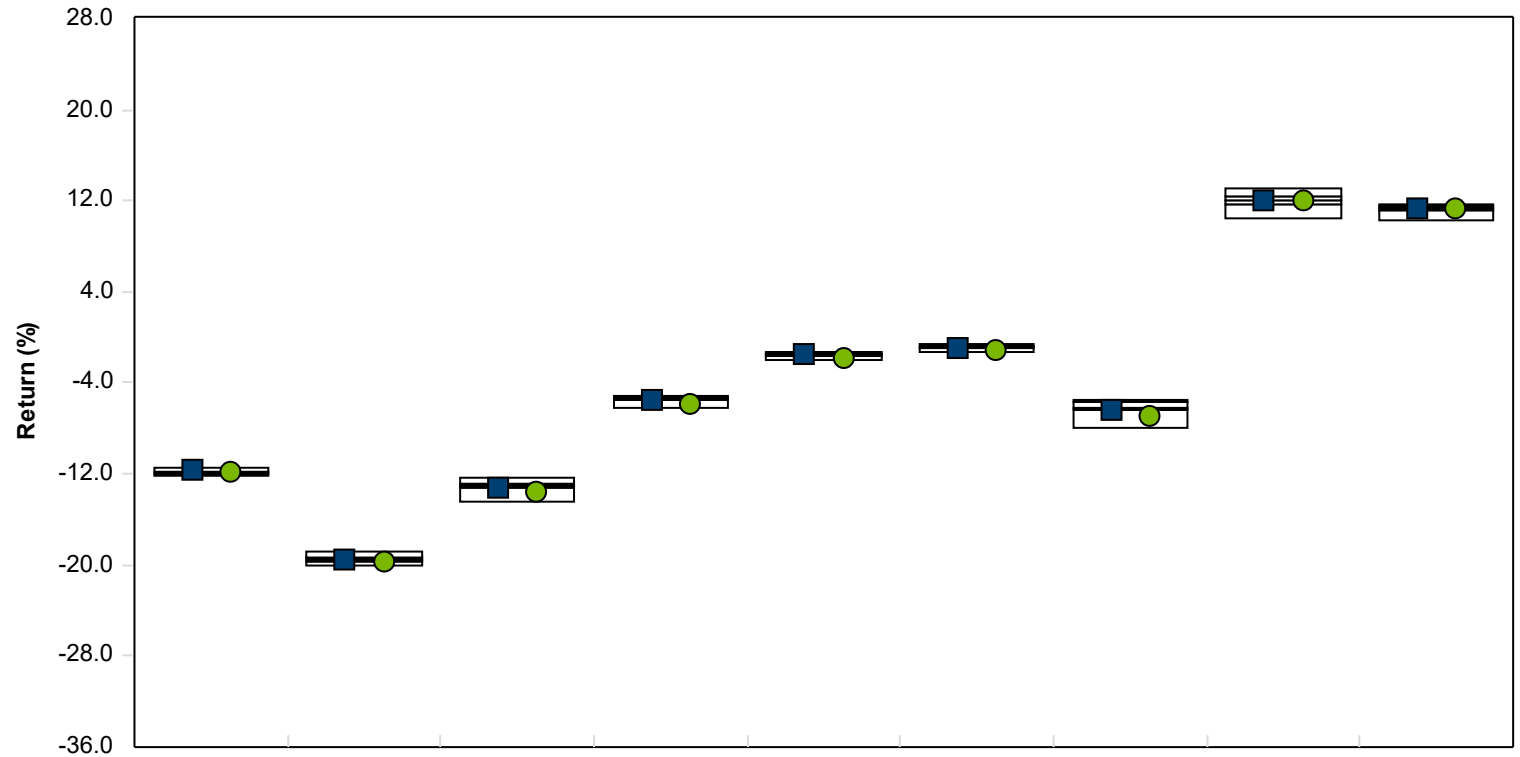
Portfolio Characteristics		
	Portfolio	Benchmark
Modified Duration	14.4	14.7
Avg. Maturity	21.4	22.8
Avg. Quality	A	A+
Yield To Maturity (%)	4.3	4.3



Bonds

Peer Group Analysis

As of 30 June 2022
Canadian Long Bond



	1 Quarter	1 Year	2 Years	3 Years	4 Years	5 Years	1 Year Ending Jun-2021	1 Year Ending Jun-2020	1 Year Ending Jun-2019
■ TDAM Long Bonds	-11.6 (15)	-19.5 (37)	-13.2 (60)	-5.4 (59)	-1.5 (57)	-0.9 (66)	-6.4 (72)	12.1 (47)	11.4 (60)
● FTSE Canada Long Term Overall Bond	-11.8 (51)	-19.7 (81)	-13.6 (90)	-5.8 (89)	-1.7 (86)	-1.0 (88)	-6.9 (91)	12.0 (60)	11.4 (38)
5th Percentile	-11.4	-18.8	-12.4	-5.2	-1.3	-0.5	-5.5	13.0	11.7
1st Quartile	-11.7	-19.4	-12.9	-5.3	-1.4	-0.7	-5.7	12.5	11.5
Median	-11.8	-19.6	-13.1	-5.4	-1.4	-0.8	-6.3	12.1	11.4
3rd Quartile	-12.0	-19.7	-13.2	-5.5	-1.6	-0.9	-6.4	11.7	11.2
95th Percentile	-12.2	-20.1	-14.4	-6.1	-2.0	-1.2	-7.9	10.4	10.3
Population	19	19	19	19	19	19	20	20	22

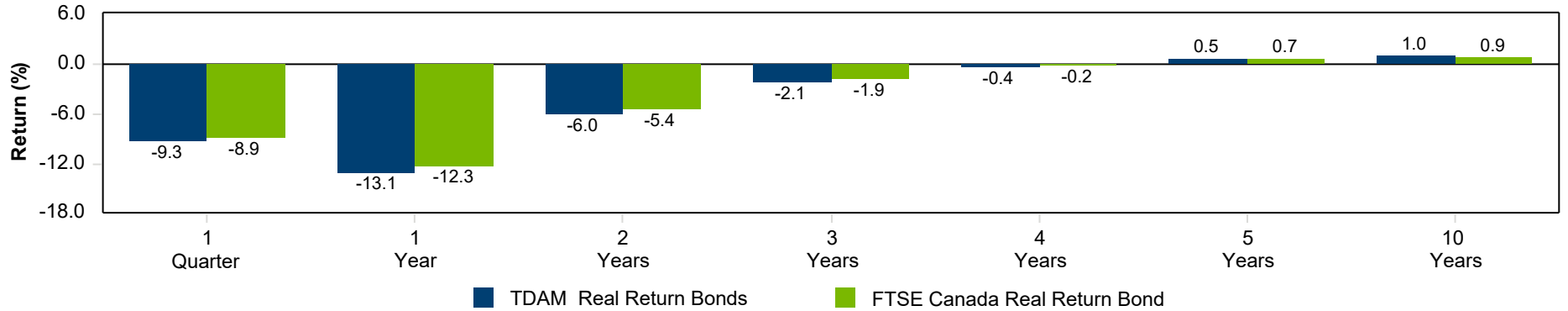
Parentheses contain percentile rankings.
Source: Aon Manager Universe

Bonds

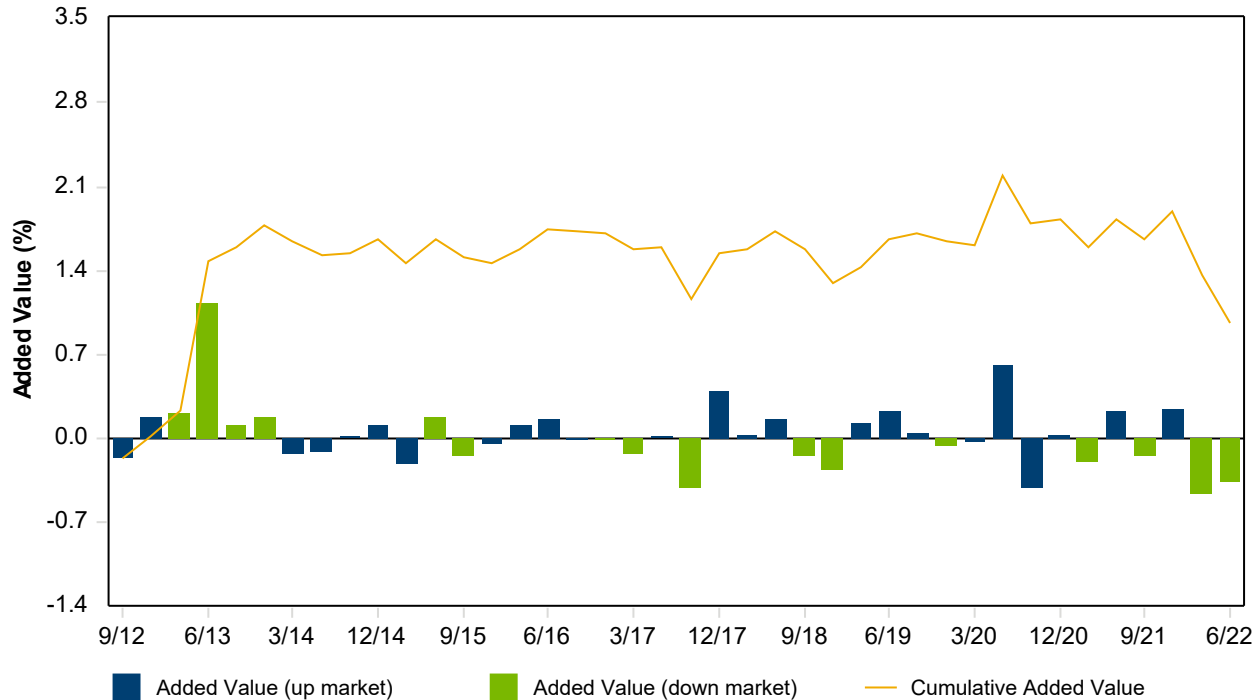
TDAM Real Return Bonds Performance Summary

As of 30 June 2022

Return Summary



Added Value History (%)



Performance Statistics

	Quarters	%
Market Capture		
Up Markets	24	102.3
Down Markets	16	101.0
Batting Average		
Up Markets	24	66.7
Down Markets	16	31.3
Overall	40	52.5

Appendix A - Plan Information

Plan Information

Summary of Investment Objective

The investment policy contains specific performance objectives for the fund and the investment managers.

All investment rates of return are measured over moving four-year periods. Return objectives are net of fees and include realized and unrealized capital gains or losses plus income from all sources.

Returns will be calculated on a time-weighted basis and compared to the objectives described below.

The objective of the total fund is to outperform a benchmark portfolio that is comprised of the following weightings:

	1 April 2022 to 30 June 2022	1 October 2021 to 31 March 2022	1 July 2021 to 30 September 2021	1 April 2021 to 30 June 2021	1 January 2021 to 30 March 2021	1 July 2020 to 31 December 2020	1 April 2020 to 30 June 2020	1 January 2020 to 31 March 2020	1 April 2019 to 31 December 2019	1 January 2019 to 31 March 2019	1 October 2018 to 31 December 2018
S&P/TSX Composite	23%	20%	21%	23%	27%	28%	30%	24%	26%	27%	28%
MSCI World (C\$)	22%	19%	21%	22%	27%	28%	30%	25%	25%	26%	28%
FTSE Canada Long Bond	20%	18%	19%	20%	23%	23%	25%	21%	21%	22%	23%
FTSE Canada Real Return Bond	35%	43%	39%	35%	23%	21%	15%	31%	28%	25%	21%
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

		1 April 2018 to 30 September 2018	1 January 2018 to 31 March 2018	1 October 2017 to 31 December 2017	1 July 2014 to 30 September 2017	1 April 2012 to 30 June 2014	1 July 2011 to 31 March 2012	1 January 2008 to 30 June 2011	1 July 2006 to 31 December 2007	Up to 30 June 2006
S&P/TSX Composite		27%	27%	27%	28%	30%	30%	30%	30%	25%
MSCI World (C\$)		26%	27%	26%	28%	30%	30%	0%	0%	0%
MSCI World ex. Cda (C\$)		22%	23%	0%	0%	0%	0%	15%	15%	18%
S&P 500 - hedged to C\$		25%	23%	0%	0%	0%	0%	5%	8%	9%
MSCI EAFE - hedged to C\$		100%	100%	0%	0%	0%	0%	5%	8%	9%
FTSE Canada Universe Bond				0%	0%	0%	40%	45%	40%	40%
FTSE Canada Long Bond				22%	22%	25%	0%	0%	0%	0%
FTSE Canada Real Return Bond				25%	22%	15%	0%	0%	0%	0%
				100%	100%	100%	100%	100%	100%	100%

Appendix B - Manager Updates

Manager Updates

Manager Updates

As of 30 June 2022

Aberdeen Standard Investments

Q2 2022

Business

There were no significant events during the quarter.

Staff

There were no significant events during the quarter.

GMO

Q2 2022

Business

GMO recently announced the merger of the Global Equity and Emerging Market Equity Teams. Simon Harris will lead the combined Systematic Equity Team and Warren Chiang has been named Head of Portfolio Management. Chiang will continue as a portfolio manager to the GMO Emerging Market Equity Strategy. We recommend clients make no changes to the Global Equity All Country Allocation and Global Equity Developed Allocation strategies.

Staff

In June 2022, Romae Smith and Rui Gong joined as Research Analyst in the Systematic Equity team. Alexandra Koban-Hogue joined as a Research Analyst as well on the Focused Equity team.

In May 2022, Uday Tharar, Research Analyst (Consultant) and Lun Yang, Quantitative Research Analyst left to pursue a new opportunity.

In June 2022, Amit Bhartia, Head of Fundamental Emerging Markets Equity left because of restructuring reasons. In the same month, Prateek Maheshwari, Research Analyst, left to pursue a new opportunity.

Manager Updates

Manager Updates

As of 30 June 2022

Guardian Capital

Q2 2022

Business

There was no significant events.

Staff

Delphine Arrighi, Head of Emerging Market Debt, GuardCap Asset Management. left the firm. Clive Lloyd, Senior Advisor to the Emerging Markets Team retired.

Kevin Roseke was hired as Managing Director, Guardian Smart Infrastructure Manager.

Letko, Brosseau & Associates Inc. ("Letko, Brosseau")

Q2 2022

Business

There were no significant events.

Staff

Tudor Padure, Investment Analyst, left LBA in Q2 to pursue other opportunities.

Manager Updates

As of 30 June 2022

TD Asset Management ("TDAM")

Q2 2022

Business

The TD Emerald 2030 Retirement Target Date Pooled Fund Trust, TD Emerald 2040 Retirement Target Date Pooled Fund Trust, TD Emerald 2050 Retirement Target Date Pooled Fund Trust and the TD Emerald Retirement Income Pooled Fund Trust were closed during the quarter.

The TD Emerald Low Volatility Canadian Equity Pooled Fund Trust is open for new investors effective June 7, 2022.

Staff

On March 3, 2021, Ted Welter (formerly Head of Alternative Investments) announced that, with the successful integration of Greystone Managed Investments Inc. and TDAM, it was an appropriate time to focus his attention on the long-term continuity of the Alternatives platform and take on a new strategic role as Managing Director, Alternatives. In doing so, he advised that Jeff Tripp would take over as Managing Director, Head of Alternative Investments on July 1, 2021. As part of the next phase of this transition, Ted Welter will be retiring on September 30, 2022 after 32 years in the business. As part of Jeff Tripp's responsibilities as Head of Alternative Investments, Jeff assumed the role of Chair of the Alternatives Investment Committee as of July 1, 2022. Ted will continue as a member of the Committee until September 30, 2022 and will support Jeff and the Alternatives team in the ongoing leadership transition.

Appendix C - Capital Market Environment

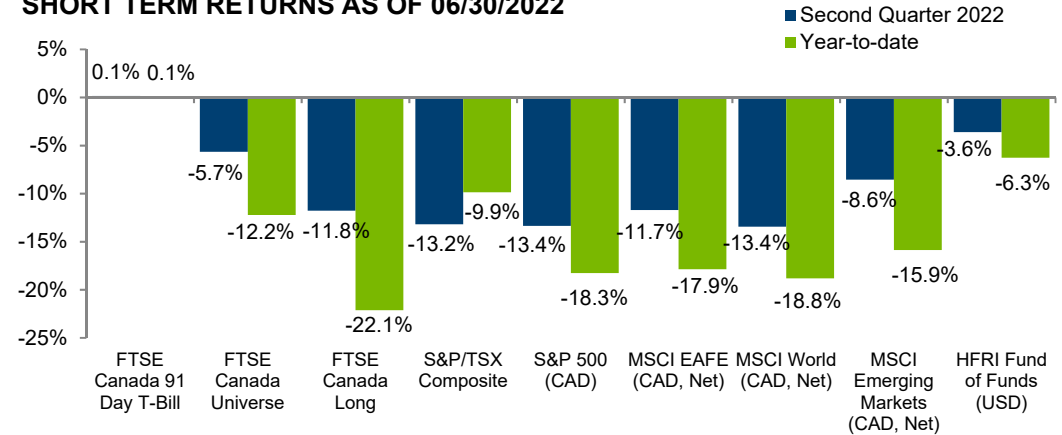
Capital Markets Environment

Capital Markets Environment

As of 30 June 2022

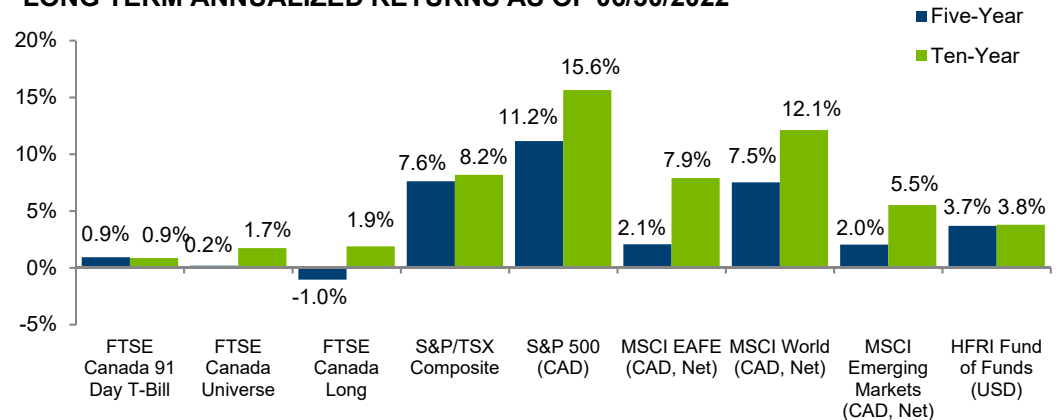
- Geopolitical risk remained in Q2, as the conflict in Ukraine entered its fifth month. At the latest G7 summit, members agreed to explore the possibilities of putting a price cap on Russian oil to impair Moscow's ability to finance the conflict and curb soaring inflation. The European Union agreed to implement a sixth package of sanctions on Russia, which includes removing Sberbank, Russia's largest bank, from the SWIFT-cross border payment system and a ban on sea-borne oil purchases from Russia, which is almost two-thirds of Europe's imports from Russia. The MSCI World Index fell 14.3% in local currency terms and 13.4% in Canadian dollar (CAD) terms.
- The Bank of Canada increased its benchmark overnight rate by 50bps in both April and May to end the quarter at 1.5%. Meanwhile, the Canadian economy expanded at an annualized rate of 3.1% in Q1, less than half of the 6.6% growth in Q4 2021 as exports fell.
- The U.S. Federal Reserve (Fed) increased its benchmark interest rate by 50 bps in May and 75bps in June (the largest rate increase since 1994) to end the quarter at a range of 1.50-1.75%. According to the median estimate on the Fed dot plot, officials expect the interest rate to reach 3.4% by the end of the year. The Fed announced its plans to shrink its \$9 trillion balance sheet in a phased manner by stopping the reinvestment of proceeds from maturing securities from June.
- The Bank of England (BoE) increased the base rate to 1.25%, its highest level in 13 years. The BoE now expects inflation to rise above 11.0% by the end of 2022. Elsewhere, the European Central Bank (ECB) signaled that it may increase rates by 75 bps by the end of September, ending its negative interest rate policy. The ECB indicated that it would flexibly invest the proceeds from its €1.7tn asset purchase program to support peripheral countries with wider spreads.

SHORT TERM RETURNS AS OF 06/30/2022



Sources: S&P, MSCI, FTSE. Unless it's otherwise stated, gross CAD returns are shown in this report.

LONG TERM ANNUALIZED RETURNS AS OF 06/30/2022



Sources: S&P, MSCI, FTSE

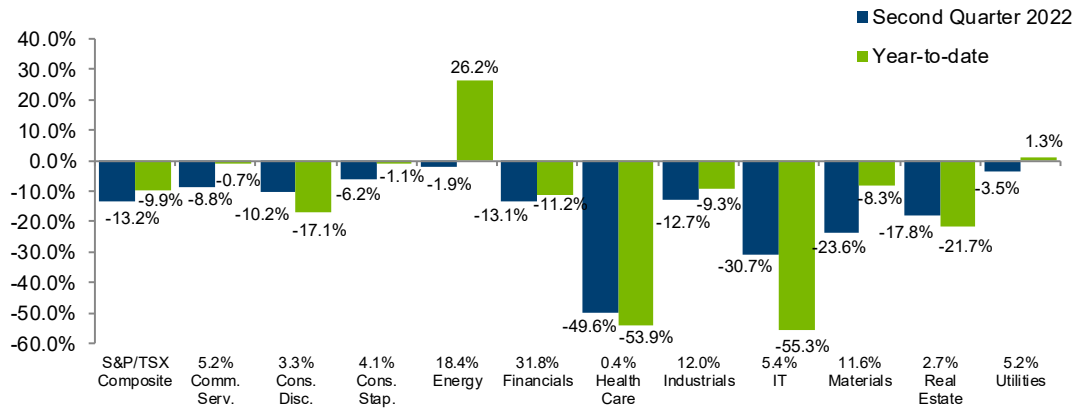
Capital Markets Environment

Capital Markets Environment

As of 30 June 2022

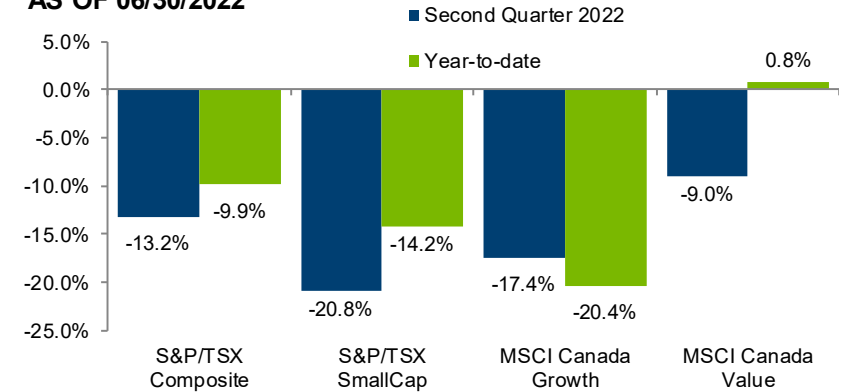
Canadian Equity Markets

S&P/TSX COMPOSITE SECTOR RETURNS (CAD) AS OF 06/30/2022



Source: S&P

CANADIAN EQUITY STYLE/SIZE RETURNS (CAD) AS OF 06/30/2022



Source: S&P, MSCI

- The S&P/TSX Composite Total Return Index fell 13.2% during the quarter and 9.9% year-to-date in CAD terms.
- Performance was negative across all sectors in the quarter. Energy and Utilities were the best performers for the quarter, falling the least at -1.9% and -3.5%, respectively, while Health Care and Technology were the worst performers at -49.6% and -30.7%, respectively. The Energy sector remains the strongest sector on a year-to-date basis with a 26.2% return.
- Growth underperformed value for the quarter (-17.4% vs -9.0%) and also underperformed on a year-to-date basis (-20.4% versus +0.8%).
- Across market capitalization, small-cap equity (-20.8%) underperformed large-cap (-13.2%) for the second quarter and also on a year-to-date basis.

Capital Markets Environment

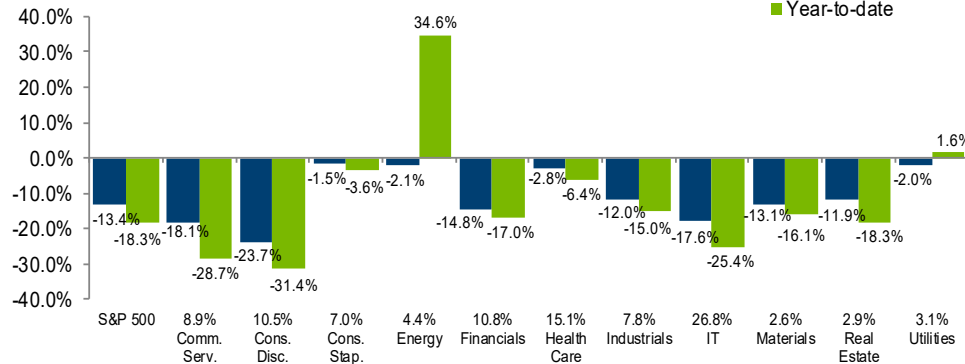
Capital Markets Environment

As of 30 June 2022

U.S. Equity Markets

S&P 500 GICS SECTOR RETURNS (CAD) AS OF 06/30/2022

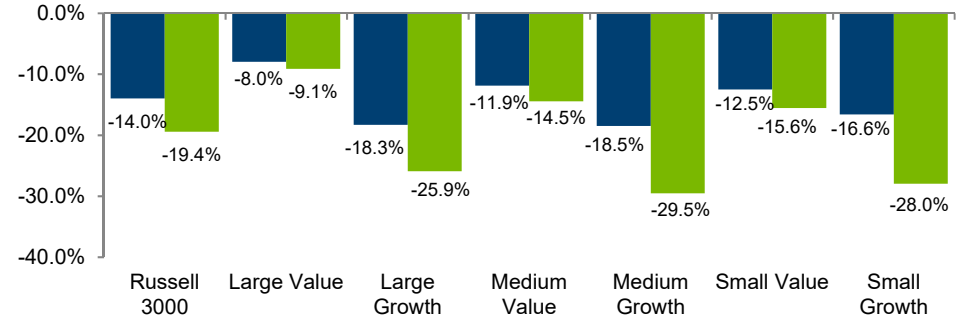
■ Second Quarter 2022
■ Year-to-date



Source: S&P

RUSSELL STYLE RETURNS (CAD) AS OF 06/30/2022

■ Second Quarter 2022
■ Year-to-date

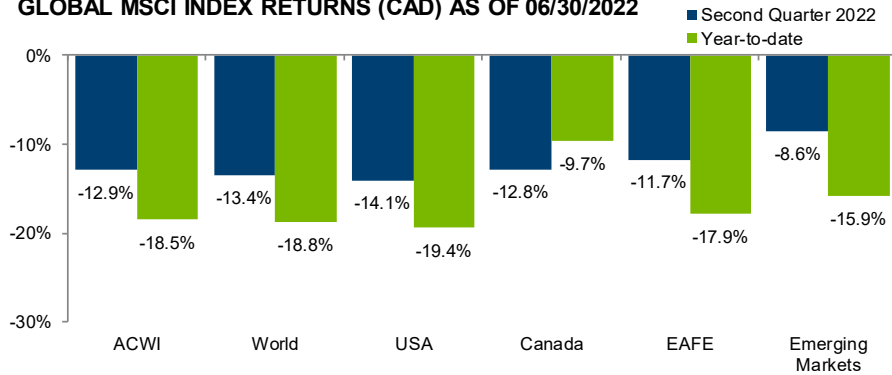


Source: Russell Indexes

- U.S. equities had a weak quarter with the S&P 500 Index falling by 16.1% in USD terms. The US equity market fell steadily over the quarterly, as inflation concerns led to the expectation of a faster than anticipated tightening of monetary policy, which weighed on the performance of sectors such as Information Technology and Consumer Discretionary. The depreciation of the Canadian dollar against the U.S. dollar limited the loss to -13.4% in CAD terms. Performance was negative across all sectors in the quarter. Consumer Staples and Utilities were the best performers (-1.5% and -2.0%) while the Consumer Discretionary and Communication Services sectors were the worst performers (-23.7% and 18.1%).
- Large-cap stocks outperformed medium-cap stocks over the quarter. On a style basis, value outperformed growth across market capitalizations over the quarter and on a year-to-date basis.
- The U.S. annual consumer price index (CPI) remained at a 40-year high as it rose 9.1% year-on-year in June.

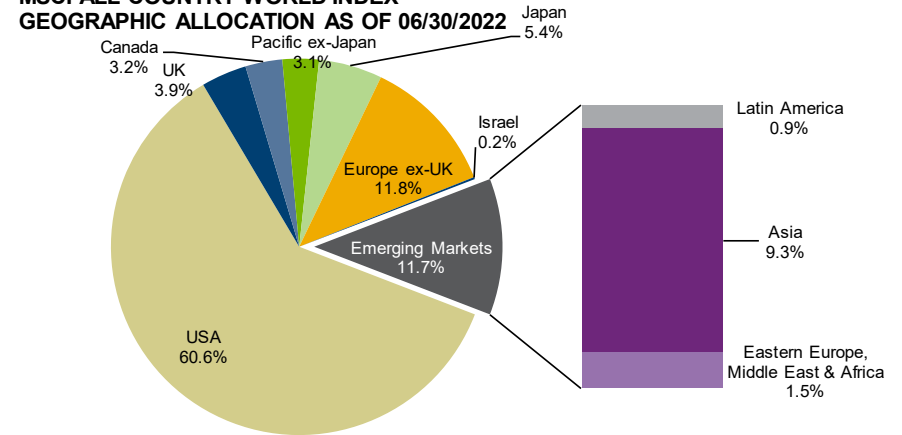
Global Equity Markets

GLOBAL MSCI INDEX RETURNS (CAD) AS OF 06/30/2022



Source: MSCI. Gross returns shown for the MSCI Canada and USA indices, whilst net returns are shown for the other indices.

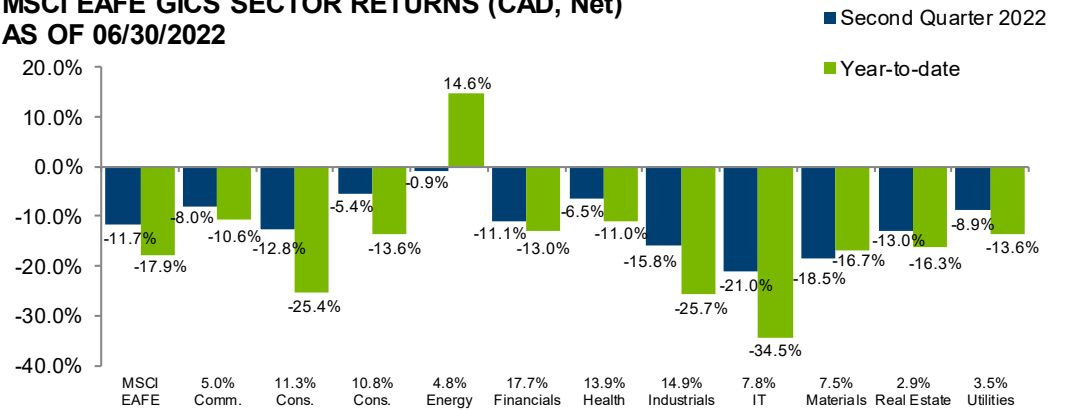
MSCI ALL COUNTRY WORLD INDEX GEOGRAPHIC ALLOCATION AS OF 06/30/2022



Source: MSCI

- Global equities ended the quarter lower, with the MSCI All Countries World Index falling by 12.9% in CAD terms.
- The MSCI EAFE Index fell by 7.8% in local currency terms and 11.7% in CAD terms over the quarter. UK, European and Japanese equities all fell in the quarter. Among these regions, European equities posted the weakest return in Q2 due to mainland Europe's close trading relationship with Russia and, in particular, reliance on Russian energy which impacted the Industrial sector. Meanwhile, the Bank of Japan maintained its loose monetary policy, in contrast to most central banks.
- Emerging market (EM) equities delivered a negative return once again as investors' risk appetite fell, with the majority of constituents performing poorly. In particular, EM Latin American equities returned -21.5% as inflation and growth fears rose. Furthermore, the strengthening of the US dollar also weighed upon most EM countries which are generally net exporters. However, Chinese equities posted a strong quarter, rallying 4.5%, as Covid-19 lockdowns were eased and new economic stimulus was announced.
- All sectors within the MSCI EAFE Index provided negative returns over the quarter. Information Technology (-21.0%) and Materials (-18.5%) were the worst performers.

MSCI EAFE GICS SECTOR RETURNS (CAD, Net) AS OF 06/30/2022



Source: MSCI

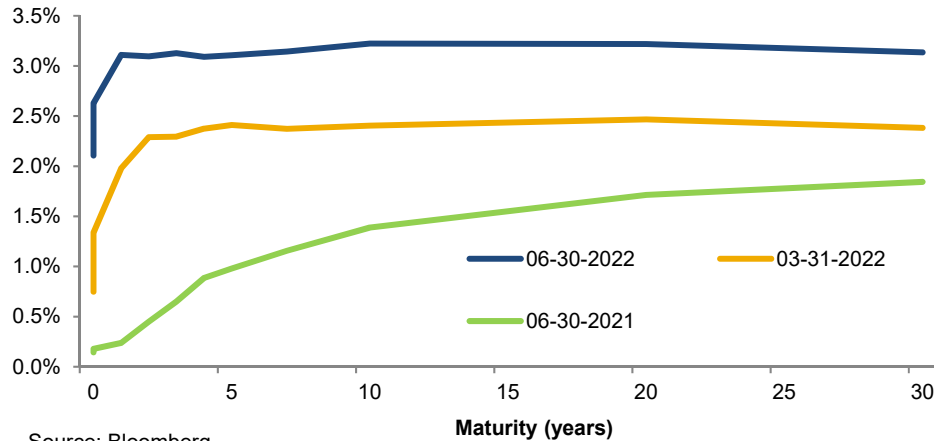
Capital Markets Environment

Capital Markets Environment

As of 30 June 2022

Canada Fixed Income Markets

CANADIAN FEDERAL YIELD CURVE



CANADIAN 30-YEAR FEDERAL YIELDS



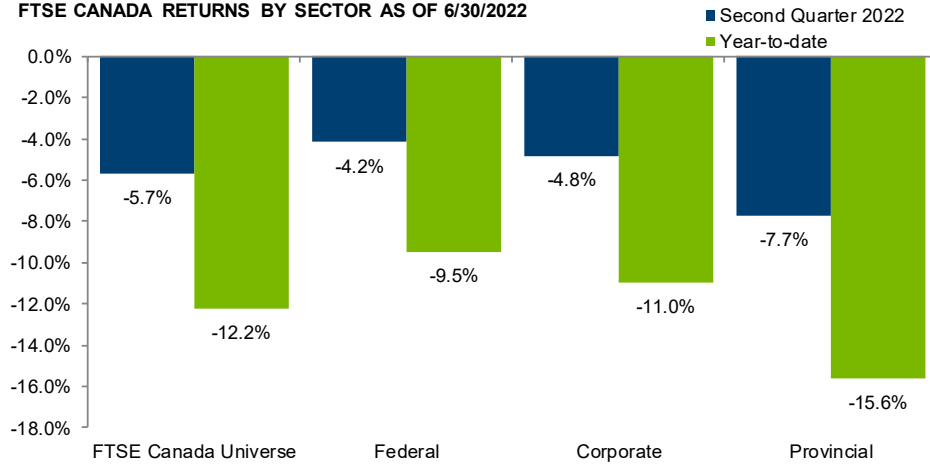
- Canadian treasury yields saw notable increases in the quarter, particularly in the front end of the curve. The 3-month yield had the largest move over the quarter, rising 136 bps, followed by the 6-month yield up 129 bps. The longer end of the curve also rose, but at a slower pace, with the 10-year note yield up 82bps to 3.22%, and the 30-year yield up 75bps to 3.14%.
- Real yields also rose, with the real 30-year yield increasing 80bps to 1.34%.
- Meanwhile, Canada's annual inflation rate accelerated to the fastest pace since 1983 as the Consumer Price Index (CPI) rose by 8.1% in the year to June. The inflation reading continued well above the Bank of Canada's control range of 1-3%.

Capital Markets Environment

Capital Markets Environment

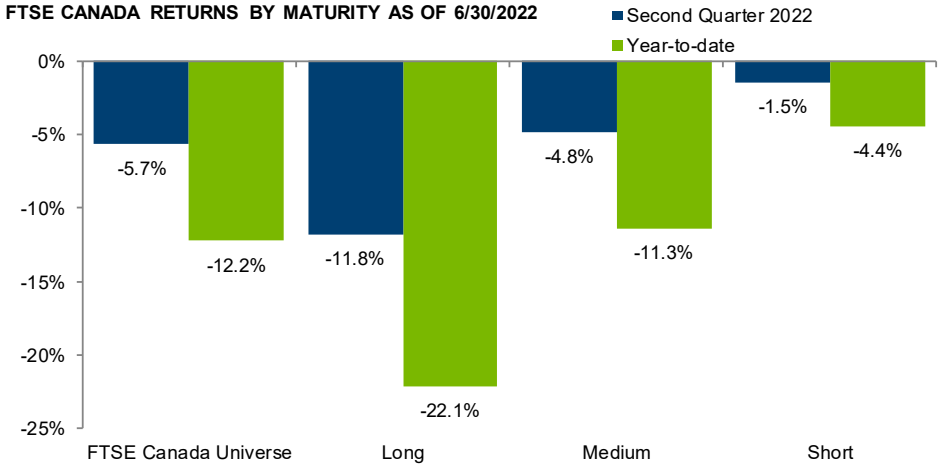
As of 30 June 2022

FTSE CANADA RETURNS BY SECTOR AS OF 6/30/2022



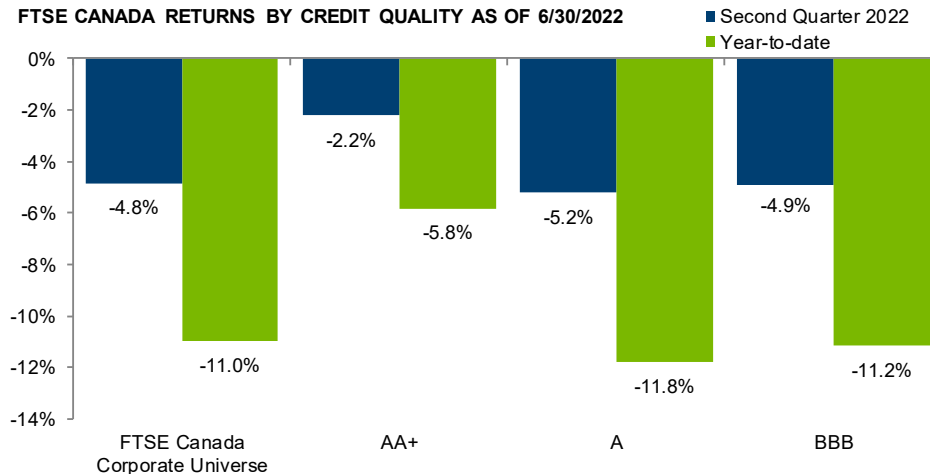
Source: FTSE

FTSE CANADA RETURNS BY MATURITY AS OF 6/30/2022



Source: FTSE

FTSE CANADA RETURNS BY CREDIT QUALITY AS OF 6/30/2022

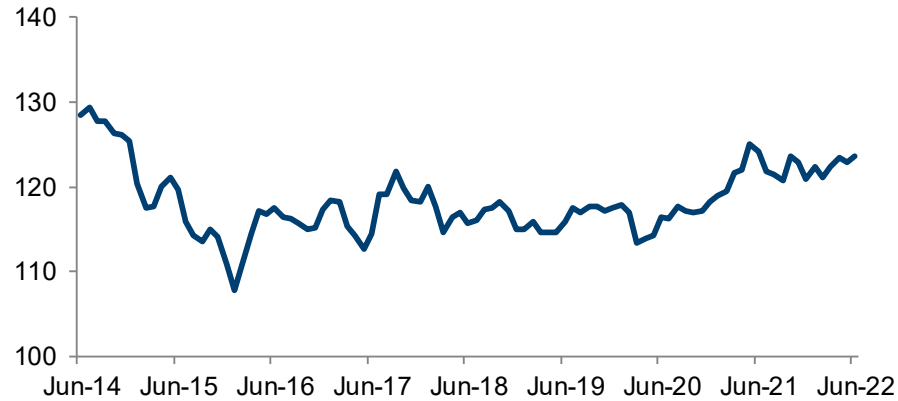


Source: FTSE

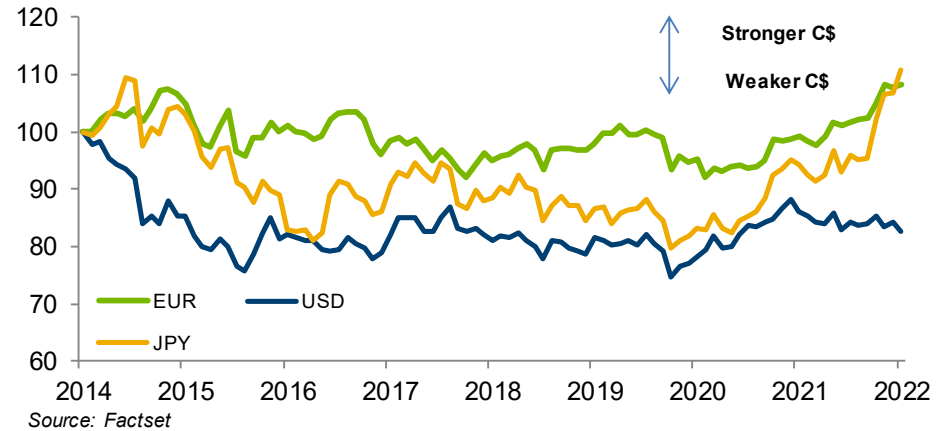
- Canadian bond market performance was negative over the quarter. Canadian Provincial bonds underperformed all credit segments, including Federal and Corporate issues.
- Within credit, investment grade 'A' rated issues underperformed 'BBB' and 'AA+' issues.
- Long maturity bonds underperformed both medium and short maturity bonds over the quarter as yields rose.

Currency

TRADE WEIGHTED CANADIAN DOLLAR INDEX (1999 = 100)



CANADIAN DOLLAR RELATIVE TO EUR, USD AND JPY REBASED TO 100 AT 30/6/2014



- As measured by the broad trade-weighted Canadian dollar (CAD) index, the CAD rose 1.0% during the second quarter, appreciating against all the major currencies, except for the U.S. dollar.
- On a trade-weighted basis, the U.S. dollar appreciated by 4.9% and it rose by 3.2% against the CAD over the quarter. Additionally, the CAD appreciated by 8.4% against the yen and 3.1% against the euro.
- The yen weakened sharply against the US dollar, reaching a twenty-year low over the quarter.

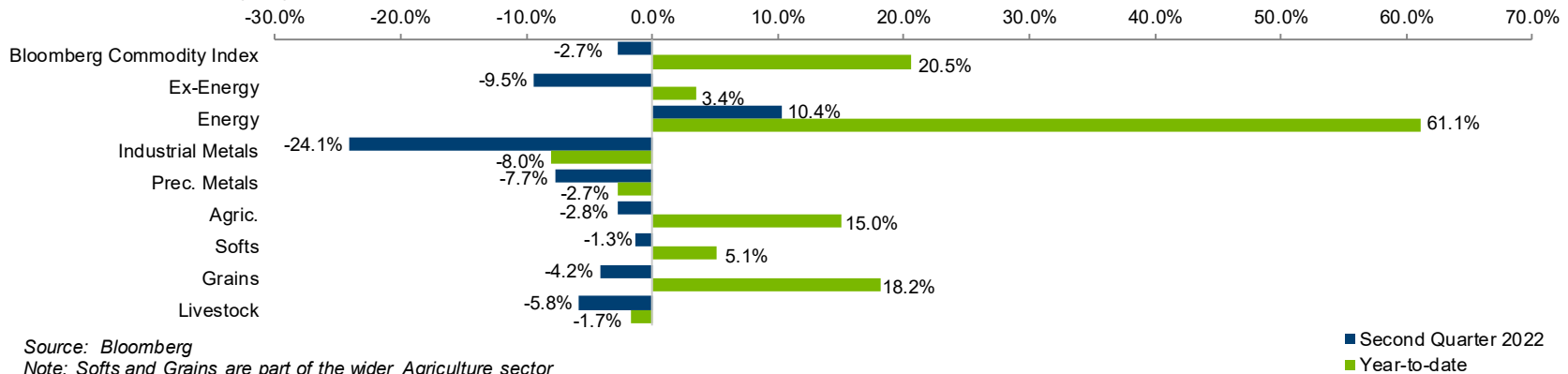
Capital Markets Environment

Capital Markets Environment

As of 30 June 2022

Commodities

COMMODITY RETURNS (CAD) AS OF 06/30/2022



- Commodity prices were pegged back later in the quarter, after rising for two consecutive months, with the Bloomberg Commodity Index falling by 2.7% for the quarter.
- Energy continued to have outsized gains, with the sector up 10.4% over the quarter and 61.1% on a year-to-date basis. The price of Brent crude oil rose by 6.4% to \$115/bbl while WTI crude oil spot prices rose by 5.5% to \$106/bbl over the quarter.
- Industrial Metals fell the most over the quarter at -24.1%.
- Meanwhile, OPEC+ agreed to a larger than expected oil production increase due to surging energy prices. The group decided to increase production by 648,000 barrels per day for July and August.

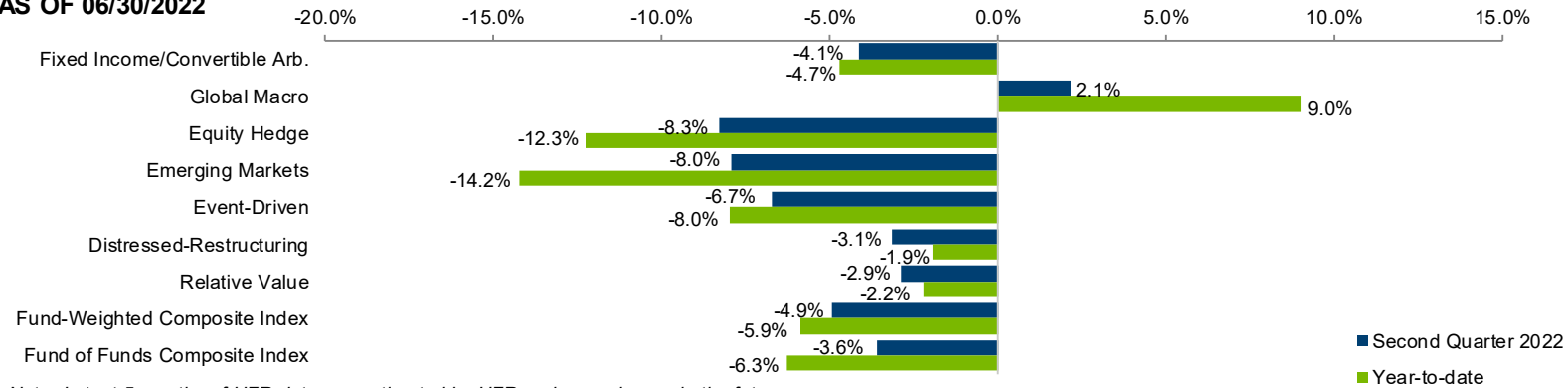
Capital Markets Environment

Capital Markets Environment

As of 30 June 2022

Hedge Fund Markets Overview

HEDGE FUND PERFORMANCE (USD)
AS OF 06/30/2022



Note: Latest 5 months of HFR data are estimated by HFR and may change in the future.
Source: HFR

- Hedge fund performance was generally negative over the quarter, with only the Global Macro strategy outperforming.
- The HFRI Fund-Weighted Composite and HFRI Fund of Funds Composite Index produced returns of -4.9% and -3.6% over the quarter, respectively.
- Over the quarter, Global Macro was the only one to generate positive returns with returns of 2.1%.
- Equity Hedge and Emerging Markets strategies were the worst performers with returns of -8.3% and -8.0% respectively.
- On a year-to-date basis, all strategies, except for Global Macro, were negative.

Appendix D - Description of Market Indices and Statistics

Index Definitions

As of 30 June 2022

S&P/TSX Composite

S&P/TSX Composite Index comprises approximately 70 percent of market capitalization for Canadian-based, Toronto Stock Exchange listed companies. It is calculated on a float market capitalization and is the broadest Canadian equity index available. The index also serves as the premier benchmark for Canadian pension funds and mutual market funds.

S&P 500

Standard and Poor's 500 Composite Stock Index consists of 500 large companies in the United States chosen for market size, liquidity and industry group representation. It is a market-value weighted index, with each stock's weight in the index proportionate to its market value. For the purposes of this report, the S&P 500 Index returns are converted from U.S. dollars into Canadian dollars, and therefore reflect currency gains or losses.

MSCI EAFE

The MSCI Europe, Australasia and Far East (EAFE) Index is a widely recognized benchmark of non-North American stock markets. It is an unmanaged index composed of a sample of companies representative of the market structure of 21 European and Pacific Basin Countries and includes reinvestment of all dividends. This index aims to capture 85% of the free float adjusted market capitalization in each industry group in each country.

MSCI World

MSCI World Index consists of more than 1,600 stocks in 23 of the world's largest industrialized countries globally and represents approximately 85% of the total market capitalization in those countries. The index is computed on a float-based capitalization.

FTSE Canada Universe Bond

The FTSE Canada Universe Bond Index covers all marketable Canadian bonds with term to maturity of more than one year. The Index contains approximately one thousand marketable Canadian bonds with an average term of approximately 10.9 years and an average duration of approximately 8.0 years. The purpose of the Index is to reflect the performance of the broad "Canadian Bond Market" in a similar manner to the S&P/TSX Capped Composite Index in the Canadian Equity Market.

FTSE Canada Long Term Overall Bond

The FTSE Canada Long Term Overall Bond Index is a capitalization-weighted index containing bonds with a term to maturity of greater than 10 years. It includes approximately 300 marketable Canadian bonds. The average term is approximately 23.1 years and the average duration is approximately 15.5 years.

FTSE Canada Real Return Bond

The FTSE Canada Real Return Bond Index measures the daily performance of Canadian real return bonds. It currently contains the outstanding real return bonds in the market.

CPI

Consumer Price Index is used to gauge Canada's inflation rate. The series used is the all items, not seasonally adjusted, 2002 base, widely known as the headline inflation.

Statistic Definitions

As of 30 June 2022

Active Return

Arithmetic difference between the portfolio return and the benchmark return over a specified time period.

Active Weight

The difference between the portfolio weight and the benchmark weight, where the weight is based on the beginning of period weights for the sector/region/asset class for a certain periodicity (monthly or quarterly, depending upon the reporting frequency), adjusted by the relative return for the sector/region/asset class.

Annualized Value Added

A portfolio's excess return over a benchmark, annualized as it is recorded.

Asset Allocation

The value added or subtracted by under or over weighting sectors/regions/asset classes versus the benchmark weights. Asset allocation measures the impact on performance attributed only to the sector/region/asset class weighting decisions by the manager. It assumes that the manager holds the same securities in each sector/region/asset class and in the same proportion as in the benchmark. Any differences in return can be attributed to differences in sector weights between the manager's fund and the benchmark.

Batting Average

The frequency, expressed in percentage terms, of the portfolio's return equaling or exceeding the benchmark's return.

Beta

A measure of the sensitivity of a portfolio to the movements in the market. It is a measure of a portfolio's non-diversifiable or systematic risk.

Correlation

Also called coefficient of correlation, it is a measure of the co-movements of two sets of returns. Indicates the degree in which two sets of returns move in tandem.

Cumulative Added Value

The geometrically linked excess return of a portfolio over a benchmark.

Down Market Capture

The portfolio's average return as a percentage of the benchmark return, during periods of negative benchmark return. Lower values indicate better portfolio performance.

Downside Risk

A measure similar to standard deviation, but focuses only on the negative movements of the return series. It is calculated by taking the standard deviation of the negative quarterly set of returns. The higher the factor, the riskier the portfolio.

Statistic Definitions

As of 30 June 2022

Duration

A measure of a bond portfolio's sensitivity to movements in interest rates.

EPS

Earnings Per Share

Excess Return

Arithmetic difference between the managers return and the risk-free return over a specified time period.

Excess Risk

A measure of the standard deviation of a portfolio's performance relative to the risk free return.

Information Ratio

Measured by dividing the active rate of return by the tracking error. The higher the Information Ratio, the more value-added contribution by the manager.

Return

Compounded rate of return for the period.

R-Squared

The percentage of a portfolio's performance explained by the behaviour of the appropriate benchmark. High R-Square means a higher correlation of the portfolio's performance to the appropriate benchmark.

Security Selection

The value added or subtracted by holding securities at weights which differ from those in the benchmark, including securities not in the benchmark or a zero weight. The security selection return assumes the manager weights for each sector/region/asset class in the portfolio are in the same proportion as in the overall benchmark, and excess returns are due to security selection. That is, differences in returns between the manager's fund and the benchmark are attributed to the securities the manager has chosen.

Sharpe Ratio

Represents the excess rate of return over the risk free return divided by the standard deviation of the return. The result is the absolute rate of return per unit of risk. The higher the value, the better the portfolio's historical risk-adjusted performance.

Simple Alpha

The difference between the portfolio's return and the benchmark's return.

Statistic Definitions

As of 30 June 2022

Sortino Ratio

Represents the excess return over the risk-free rate divided by the downside deviation (i.e. the standard deviation of negative asset returns). Therefore, the Sortino Ratio differentiates harmful volatility from general volatility. A large Sortino Ratio indicates there is a low probability of a large loss.

Standard Deviation

A statistical measure of the range of a portfolio's performance, the variability of a return around its average return over a specified time period.

Tracking Error

A measure of the standard deviation of a portfolio's performance relative to the performance of an appropriate benchmark.

Treynor Ratio

Similar to Sharpe ratio, but focuses on beta rather than excess risk (standard deviation). Represents the excess rate of return over the risk free rate divided by the beta. The result is the absolute rate of return per unit of risk. The higher the value, the better the portfolio's historical risk-adjusted performance.

Up Market Capture

The portfolio's average return as a percentage of the benchmark return, during periods of positive benchmark return. Higher values indicate better portfolio performance.

Appendix E - Fee Analysis

Appendix F - Disclosure

Disclosure

Statement of Disclosure

As of 30 June 2022

Aon Hewitt Inc. reconciles the rates of return with each investment manager quarterly. Aon Hewitt Inc. calculates returns from the custodian/trustee statements while the managers use different data sources. Occasionally discrepancies occur because of differences in computational procedures, security prices, "trade date" versus "settlement date" accounting, etc. We monitor these discrepancies closely and find that they generally do not tend to persist over time. However, if a material discrepancy arises or persists, we will bring the matter to your attention after discussion with your money manager.

This report may contain slight discrepancies due to rounding in some of the calculations. All data presented is in Canadian dollars unless otherwise stated.

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