

VOLATILITY



Based on 3 year standard deviation

TOP HOLDINGS

as of October 31, 2018

Brookfield Asset Management Inc Cl A	4.16%
Province of Ontario	3.85%
Invesco Canadian Dollar Cash Management Fund Ser I	3.24%
Toronto-Dominion Bank	2.49%
Onex Corp	2.43%
Fairfax Financial Holdings Ltd	2.14%
Berkshire Hathaway Inc Cl B	1.90%
Bank of Nova Scotia	1.72%
Open Text Corp	1.71%
Canadian Natural Resources Ltd	1.71%

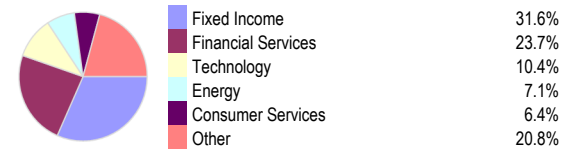
ASSET ALLOCATION

as of October 31, 2018



SECTOR ALLOCATION

as of October 31, 2018



GEOGRAPHIC ALLOCATION

as of October 31, 2018



STYLE

as of November 30, 2018

	Value	Blend	Growth	
		Large		Large
				Medium
				Small

**UNIVERSAL LIFE
MANAGED PORTFOLIO INDEXED ACCOUNT**

BALANCED FUNDS

Invesco Core Canadian Balanced Class A

The information contained in this profile is related to the index indicated above. As part of a BMO Life Assurance Company policy, you do not purchase units in this index or a legal interest in any security.

OBJECTIVE

Invesco Core Canadian Balanced Class seeks to generate capital growth and income over the long term by investing mainly in: Canadian equities; Canadian government and corporate fixed income securities; Foreign equities and government and corporate fixed income securities.

Category	Canadian Neutral Balanced	Fund Managers	Start Date
Managed By	Invesco Canada Ltd.	Jason T Holzer	10/29/2001
Inception Date	October 29, 2001	Clas G. Olsson	10/29/2001
Designated Fund MER	2.48%	Richard Nield	8/1/2003
Total Assets (\$ millions)	112.02	Avi Hooper	6/25/2010

COMPOUND RETURN

as of November 30, 2018

Period	1 Mth	3 Mth	6 Mth	1 Yr	3 Yr	5 Yr	10 Yr	Inception
Designated Fund	1.02%	-5.11%	-4.17%	-4.86%	2.00%	3.82%	6.05%	4.89%
Benchmark	1.25%	-3.45%	-2.18%	-1.47%	4.85%	4.64%	6.65%	-
Quartile	3	4	4	4	3	2	2	-

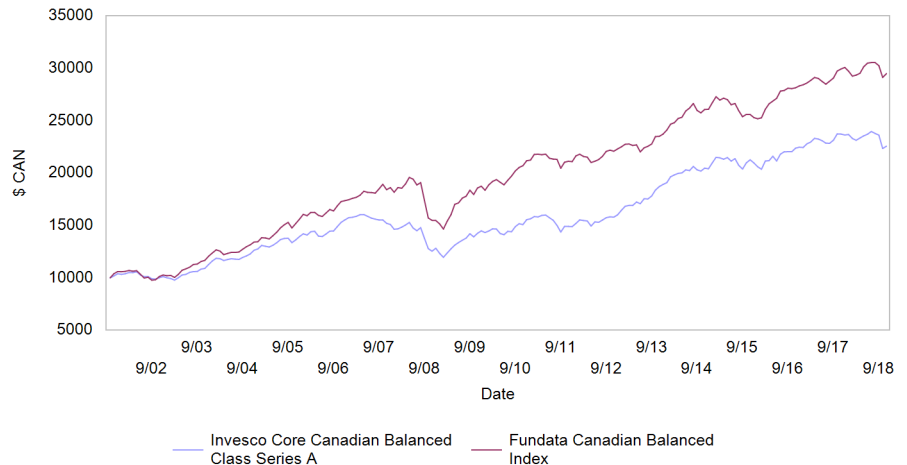
CALENDAR RETURN

as of November 30, 2018

Period	2017	2016	2015	2014	2013	2012	2011	2010	2009
Designated Fund	5.16%	7.18%	2.73%	7.90%	18.11%	7.55%	-4.26%	7.39%	12.93%
Benchmark	6.22%	11.97%	-3.02%	9.98%	6.33%	5.76%	-0.43%	12.97%	21.19%
Quartile	2	2	1	3	1	1	4	3	3

GROWTH OF \$10,000

Annual values as of November 30 2018



Past performance is no guarantee of future performance. All returns are historical annual compounded total rates of return and reflect changes in yield and distributions reinvested. The Accounts credit an interest amount mirroring the net rate of return of a specified underlying investment, less a BMO Life Assurance Company daily management fee. The BMO Life Assurance Company management fee will be deducted from the returns and will be reflected in the policyholders' fund value.

Information contained in this document is for illustrative purposes only and is subject to change without notice. The contents of this profile are provided for informational and educational purposes and are not intended to provide investment, tax or legal advice. While every effort has been made to provide accurate and complete information, BMO Life Assurance Company and Fundata Canada will not be held liable for any inaccuracies, errors or omissions in the information provided.



Data Provided By Fundata