# **Rothschild & Co Risk-Based Canada Index**

## Monthly Report As of 2/28/2023



The Rothschild & Co Risk-Based Canada Index provides an alternative to market-cap weighting with a risk-based approach to index construction. The strategy seeks to equalize risk contribution of index constituents and to maximize risk diversification while avoiding excessive turnover and portfolio concentration. The approach seeks to provide lower volatility, reduced maximum drawdown and higher Sharpe ratio compared with market capitalization indices over the long-term.

#### **Cumulative Index Performance**

# Time Period: 1/14/2000 to 2/28/2023 Risk-Based Canada TR CAD (Total) 14,252.8 Risk-Based Canada NR CAD (Total) 16,000 13,500 11,000 8,500 6.000 3,500 1,000 -1,500 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021

### **Calendar Year Returns %**

	Tot Ret	Net TR	S&P/TSX		Tot Ret	Net TR	S&P/TSX
2023	4.51	4.42	4.78	2012	13.58	12.68	7.19
2022	-4.09	-4.85	-5.84	2011	5.59	4.75	-8.71
2021	17.07	16.39	25.09	2010	18.36	17.35	17.61
2020	6.76	6.18	5.60	2009	21.47	20.30	35.05
2019	24.28	23.34	22.88	2008	-19.19	-20.06	-33.00
2018	-5.87	-6.59	-8.89	2007	5.23	4.58	9.83
2017	11.62	10.86	9.10				
2016	14.80	14.08	21.08	2004	18.74	17.90	14.48
2015	0.72	0.09	-8.32	2003	26.32	25.22	26.72
2012	13.58	12.68	7.19	2002	10.38	9.60	-12.44
2011	5.59	4.75	-8.71	2001	17.60	16.69	-12.57

#### **Total Return %**

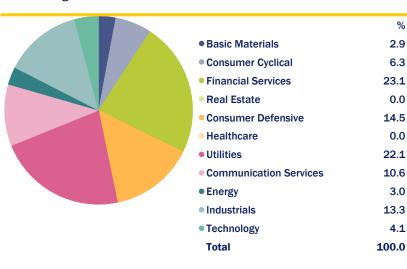
	Index Value	1M	3M	YTD	1yr	3yr	5yr	10yr	Since Inception
Risk-Based Canada TR CAD	4,868.87	-0.04	1.92	4.51	1.79	8.57	8.56	10.65	12.18
Risk-Based Canada NR CAD	4,290.38	-0.09	1.73	4.42	0.97	7.88	7.82	9.90	11.34
S&P/TSX Composite TR	78,794.47	-2.45	-0.35	4.78	-1.21	10.83	8.82	7.86	6.63

# Risk/Returns Characteristics vs. S&P/TSX Composite Index

	Standard Deviation		Sharpe Ratio		Beta		Up Capture*			Down Capture*					
	1 Yr	3 Yr	5 Yr	1 Yr	3 Yr	5 Yr	1 Yr	3 Yr	5 Yr	1 Yr	3 Yr	5 Yr	1 Yr	3 Yr	5 Yr
Risk-Based Canada TR CAD	11.95	15.49	13.08	-0.43	0.36	0.35	0.73	0.82	0.80	63.66	69.37	67.67	61.21	68.40	64.62
Risk-Based Canada NR CAD	11.97	15.52	13.10	-0.48	0.33	0.31	0.73	0.82	0.80	63.16	69.01	67.21	61.54	68.66	64.98
S&P/TSX Composite TR	18.24	18.15	15.72	-0.42	0.42	0.32	1.00	1.00	1.00	100.00	100.00	100.00	100.00	100.00	100.00

%

#### **Sector Weights**



#### **Top 10 Constituents**

	Sector	Weight %
Shaw Communications Inc Shs -B- Non-Voting	<b>Communication Services</b>	3.39
Fortis Inc	Utilities	2.32
Atco Ltd Registered Shs -I- Non Vtg	Utilities	2.30
Hydro One Ltd	Utilities	2.21
Loblaw Companies Ltd	Consumer Defensive	2.17
Metro Inc	Consumer Defensive	2.13
Empire Co Ltd Registered Shs -A- Non Vtg	Consumer Defensive	2.09
Rogers Communications Inc Shs -B- Non-Voting	<b>Communication Services</b>	2.04
Fairfax Financial Holdings Ltd Shs Subord.Vtg	Financial Services	2.02
Canadian Utilities Ltd Shs -A- Non-Voting	Utilities	2.01
	_	
		22.68



# **Portfolio Highlights**

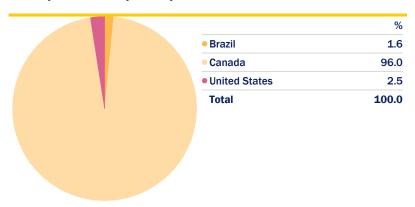
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#### **Index Characteristics**

	Risk-Based Canada TR CAD	S&P/TSX Composite TR
Average Mkt. Cap (\$mm)	14,769.1	26,619.0
Estimated Price/Earnings	16.6	13.1
Price/Book	2.1	1.8
Price/Cash Flow	8.3	8.1
Dividend Yield	3.3	3.5

#### **Country Allocation - By Country Domicile**



#### **Maximum Drawdown**



# ■Risk-Based Canada TR CAD

#### S&P/TSX Composite TR

#### Tickers

Currency	USD	CAD
Total Return	RRBCATR2	RRBCATR5
Net Total Return	RRBCANT2	RRBCANT5
Price	RRBCAPR2	RRBICAPR5
Reuters	.RRBCANT5	

#### **Index Administration**

# ☆ Rothschild & Co

Rothschild & Co Risk Based Investments LLC is a wholly owned subsidiary of Rothschild & Co and, as the index sponsor, oversees the monthly calculation of weightings for each index through a proprietary risk-based method.

#### Methodology

Quarterly Universe Constituent Selection - selects the largest stocks in the exchange universe (January, April, July, October)

#### **Quarterly Index Selection**

- Selects the 50% of the universe with the lowest marginal risk contribution (combination of volatility and correlation)
- Each constituent is weighted so that it contributes and equal amount of
  view.

#### **Key Facts**

Universe Constituents:	120
Selected Consituents	60
Weighting Methodology:	Equal Risk Contribution (ERC)
Rebalancing Frequency:	Quarterly
Index Launch Date	2/24/17
Index First Value Date:	1/14/00
Available Currencies	USD, CAD
Index Calculation Agent:	S&P Dow Jones Indices

#### **Disclaimer:**

Index launch date is 2/24/17. All information presented prior to the launch date is backtested.

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