

RAFI Fundamental Global Index, 12/31/2018

INDEX INFORMATION

Launch:

1/31/2017

Bloomberg Ticker:

RAFIGLBT Index

The RAFI™ Fundamental Index methodology is built on the principles of contrarian investing and disciplined rebalancing. Security weights are determined by using fundamental measures of company size (adjusted sales, cash flow, dividends + buybacks, and book value) rather than price (market cap). By using a company's fundamental weight as the rebalancing anchor, the fundamental weighting approach rebalances out of securities whose prices have increased and into securities whose prices have fallen.

PERFORMANCE SUMMARY

Index	QTD	YTD	1 Yr	3 Yr	5 Yr	10 Yr	10 Yr Vol	10 Yr Sharpe	10 Yr Tracking Error	10 Yr Info Ratio
RAFI Fundamental Global Index	-12.3%	-10.6%	-10.6%	8.1%	4.4%	10.2%	15.5%	0.63	2.6%	0.06
MSCI All Country World Index	-12.7%	-8.9%	-8.9%	7.2%	4.8%	10.0%	14.6%	0.66	N/A	N/A

Performance is based on data from FactSet. Returns reported in USD.

Returns prior to index inception are simulated, please see disclosures for important information regarding simulated data.

INDEX CHARACTERISTICS

Index	# of Securities	P/B	P/S	P/CF	Dividend Yield	WAMC*	Discount†	Median Historical Discount	Portfolio Turnover**
RAFI Fundamental Global Index	2472	1.4	0.9	6.5	3.4%	91.3	-28.4%	-23.3%	13.9%
MSCI All Country World Index	1370	2.0	1.5	9.1	2.7%	120.8	N/A	N/A	N/A

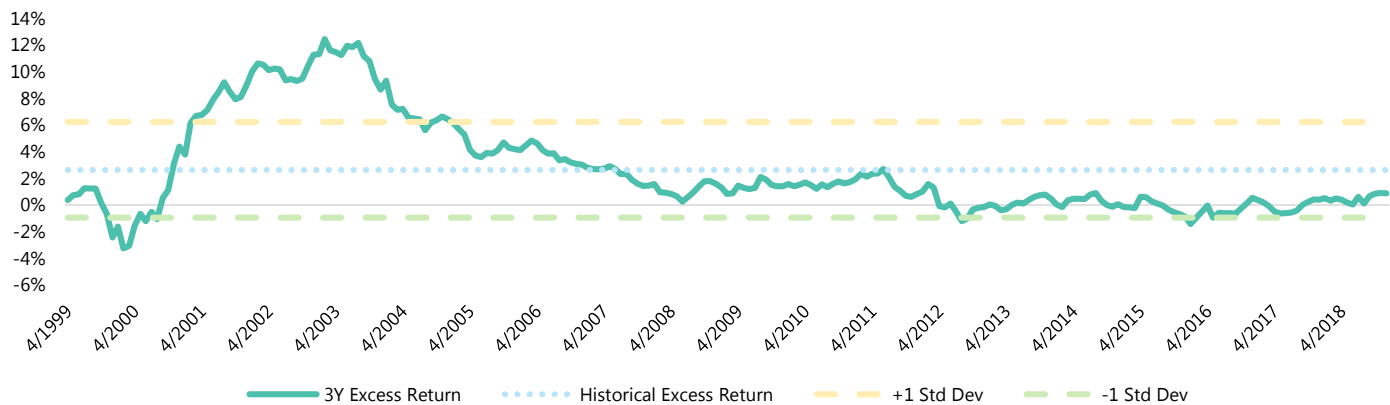
Portfolio characteristics are based on data from FactSet. MSCI All Country World Index data is represented by the iShares MSCI ACWI ETF.

Holdings prior to inception are simulated, please see disclosures for important information regarding simulated data.

*WAMC represents the weighted average market capitalization of the portfolio in billions. **Turnover represents average annual turnover from 1997 to 2018. Turnover data prior to inception is simulated.

†Discount of the portfolio is measured by the geometric average of the quarterly discounts of price to equity, price to book, price to sales, price to cash flow, and dividend yield. Historical median calculation starts on 3/31/2008.

ROLLING 3-YEAR EXCESS RETURN



Returns prior to index inception are simulated, please see disclosures for important information regarding simulated data. Return data begins on 5/31/1996.

HOLDINGS

Top Index Holdings

Name	Weight
1 Exxon Mobil	1.5
2 Apple	1.3
3 Royal Dutch Shell	1.1
4 Chevron	1.0
5 Microsoft	0.9
6 AT&T	0.8
7 Berkshire Hathaway	0.8
8 BP	0.8
9 Pfizer	0.7
10 JPMorgan Chase	0.7

Top Benchmark Holdings

Name	Weight
1 Apple	1.9
2 Microsoft	1.8
3 Alphabet	1.5
4 Amazon	1.5
5 iShares MSCI India ETF	1.1
6 Johnson & Johnson	0.8
7 JPMorgan Chase	0.8
8 Facebook, Inc. Class A	0.8
9 Exxon Mobil	0.7
10 Pfizer	0.6

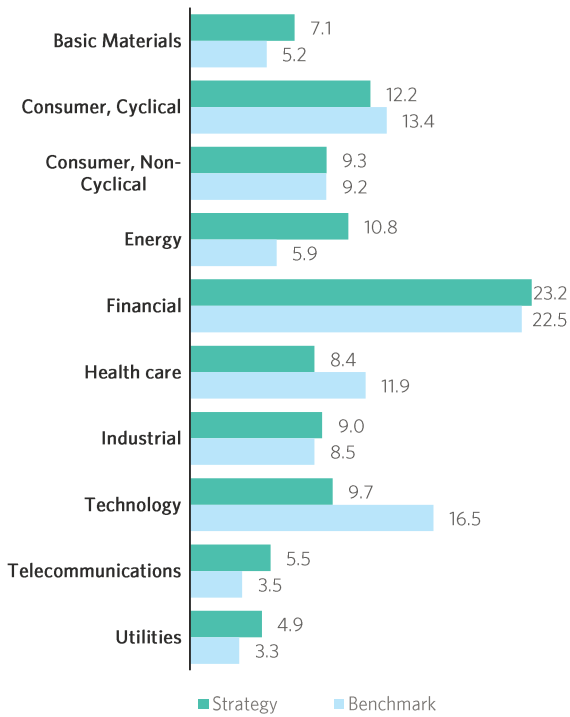
Top Active Holdings

Name	Weight
1 Exxon Mobil	0.8
2 Royal Dutch Shell	0.6
3 BP	0.5
4 Chevron	0.5
5 Total	0.4
1 Amazon	-1.4
2 Alphabet	-1.1
3 Microsoft	-1.0
4 Facebook, Inc. Class A	-0.7
5 Apple	-0.6

Security data derived from FactSet. Benchmark holdings are represented by the iShares MSCI ACWI ETF.

SECTOR BREAKDOWN

Sector Weights as of 12/31/2018



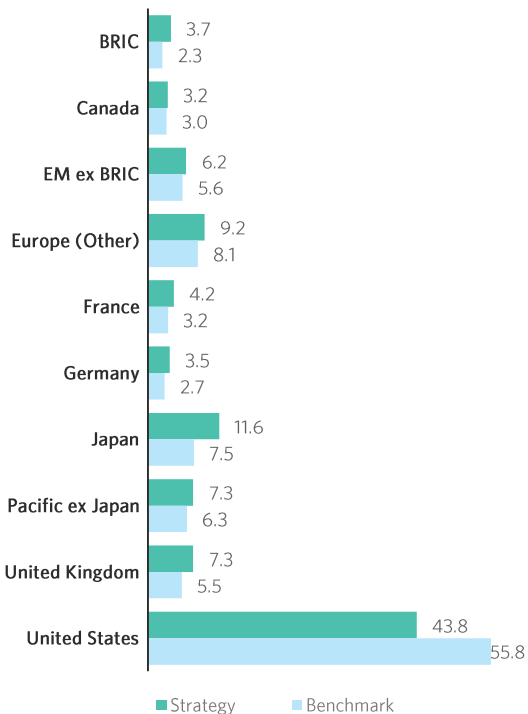
Q4 Sector Attribution

Sector	Portfolio Weight	Bench. Weight	Sector Excess Return	Allocation Effect	Selection + Interaction Effect	Total Effect
Basic Materials	7.22	5.04	-1.93	-0.02	-0.08	-0.10
Consumer, Cyclical	12.19	13.28	0.02	0.02	0.18	0.20
Consumer, Non-Cyclical	9.26	9.30	4.84	-0.01	0.04	0.04
Energy	11.01	5.85	-6.84	-0.44	0.14	-0.30
Financial	22.83	22.64	1.21	0.00	-0.22	-0.21
Health care	8.60	11.81	5.12	-0.10	0.15	0.06
Industrial	8.86	8.62	-2.93	-0.01	0.02	0.01
Technology	9.64	16.66	-4.16	0.32	0.01	0.33
Telecommunications	5.47	3.50	6.49	0.10	0.05	0.15
Utilities	4.92	3.30	13.75	0.20	-0.02	0.18
Excess Return						0.34

Portfolio characteristics and securities data derived from FactSet. The attribution has been normalized to match the return of the strategy, as presented in the performance table on the previous page. Benchmark holdings represented by the iShares MSCI ACWI ETF.

REGION BREAKDOWN

Region Weights as of 12/31/2018



Q4 Region Attribution

Sector	Portfolio Weight	Bench. Weight	Sector Excess Return	Allocation Effect	Selection + Interaction Effect	Total Effect
Asia ex Japan	3.70	2.28	15.15	0.09	0.21	0.30
Australia & New Zealand	3.16	2.98	-2.60	0.00	-0.02	-0.03
Canada	6.02	5.64	3.22	0.01	-0.05	-0.03
Denmark, Norway, Sweden	9.15	8.06	1.89	0.01	0.11	0.11
Eurobloc	4.15	3.26	-1.83	-0.01	-0.02	-0.03
Japan	3.37	2.67	-1.98	-0.02	0.03	0.01
Other	11.42	7.45	-1.29	-0.05	0.01	-0.04
Switzerland	7.26	6.30	4.05	0.04	-0.03	0.01
United Kingdom	7.47	5.54	0.71	0.03	-0.05	-0.02
United States	44.29	55.81	-0.95	0.10	-0.04	0.05
Excess Return						0.34

Portfolio characteristics and securities data derived from FactSet. The attribution has been normalized to match the return of the strategy, as presented in the performance table on the previous page. Benchmark holdings represented by the iShares MSCI ACWI ETF.

Important Information

The material contained in this document is for information purposes only. This material is not intended as an offer or solicitation for the purchase or sale of any security or financial instrument, nor is it advice or a recommendation to enter into any transaction. RAFI Indices, LLC, its affiliates, agents, and each of their respective officers, directors, employees, agents, representatives and licensors (collectively "RI") does not make any warranties, express or implied, to anyone regarding the information provided herein, including, without limitation, any warranties with respect to the timeliness, sequence, accuracy, completeness, currentness, merchantability, quality or fitness for a particular purpose or any warranties as to the results to be obtained by any third-party in connection with the use of the information. Nothing contained in this material is intended to constitute legal, tax, securities or investment advice, nor an opinion regarding the appropriateness of any investment, nor a solicitation of any type. The general information contained in this material should not be acted upon without obtaining specific legal, tax and investment advice from a licensed professional. Investors should be aware of the risks associated with data sources and quantitative processes used to create the content contained herein or the investment management process. Errors may exist in data acquired from third party vendors, the construction or coding of indices or model portfolios, and the construction of the spreadsheets, results or information provided. RI takes reasonable steps to eliminate or mitigate errors, and to identify data and process errors so as to minimize the potential impact of such errors, however RI cannot guarantee that such errors will not occur. Use of this material is conditioned upon, and evidence of, the user's full release of RI from any liability or responsibility for any loss or damage, direct, indirect or consequential, arising from or related to (i) any inaccuracy or incompleteness in, errors or omissions in the information or (ii) any decision made or action taken by any third party in reliance upon this information. RI shall not be liable to anyone for loss of business revenues, lost profits or any indirect, consequential, special or similar damages whatsoever, whether in contract, tort or otherwise, even if advised of the possibility of such damages.

Certain performance information presented represents simulated performance.

Hypothetical investor accounts depicted are not representative of actual client accounts. Certain performance information presented represents performance based on combined simulated index data (pre-index launch) and live index data (post-index launch). Indexes are unmanaged and cannot be invested in directly. Past simulated performance is no guarantee of future performance and does not represent actual performance of an investment product based on the index. No allowance has been made for trading costs, management fees, or other costs associated with asset management, as the information provided relates only to the index itself. Actual investment results may differ. As such, the simulated data may have under- or over-compensated for the impact, if any, of certain market factors. Simulated returns may not reflect the impact that material economic and market factors might have had on the advisor's decision making if the advisor were actually managing clients' money. Simulated data is subject to the fact that it is designed with the benefit of hindsight. Simulated returns carry the risk that the performance depicted is not due to successful predictive modeling. Simulated returns cannot predict how an investment strategy will perform in the future. Simulated returns should not be considered indicative of the skill of the advisor. Investors may experience loss.

Any applicable financial instruments are not sponsored, promoted, sold or supported in any other manner by RAFI Indices, LLC or Solactive AG nor does RAFI Indices, LLC or Solactive AG offer any express or implicit guarantee or assurance either with regard to the results of using the Index and/or Index trade mark or the Index Price at any time or in any other respect. The Index is calculated and published by RAFI Indices, LLC and Solactive AG. RAFI Indices, LLC and Solactive AG use their best efforts to ensure that the Index is calculated correctly. Irrespective of their obligations towards Licensee, neither RAFI Indices, LLC nor Solactive AG has any obligation to point out errors in the Index to third parties including but not limited to Licensee, investors and/or financial intermediaries of the financial instrument. Neither publication of the Index nor the licensing of the Index or Index trade mark for the purpose of use in connection with the financial instrument constitutes a recommendation by RAFI Indices, LLC or Solactive AG to invest capital in said financial instrument nor does it in any way represent an assurance or opinion of RAFI Indices, LLC or Solactive AG with regard to any investment in the financial instrument.

The trademarks Fundamental Index™, RAFI™, Research Affiliates Equity™, RAE™ and the Research Affiliates™ trademark and corporate name and all related logos are the exclusive intellectual property of Research Affiliates, LLC and in some cases are registered trademarks in the U.S. and other countries. Various features of the Fundamental Index™ methodology, including an accounting data-based non-capitalization data processing system and method for creating and weighting an index of securities, are protected by various patents, and patent-pending intellectual property of Research Affiliates, LLC. (See all applicable US Patents, Patent Publications, Patent Pending intellectual property and protected trademarks located at https://www.researchaffiliates.com/en_us/about-us/legal.html, which are fully incorporated herein.) Any use of these trademarks, logos, patented or patent pending methodologies without the prior written permission of Research Affiliates, LLC, is expressly prohibited. Research Affiliates, LLC, reserves the right to take any and all necessary action to preserve all of its rights, title, and interest in and to these marks, patents or pending patents.

RAFI Indices, LLC is a wholly owned subsidiary of Research Affiliates Global Holdings, LLC and does not offer or provide investment advice or offer or sell any securities, commodities or derivative instruments or products. Any such business may only be conducted through registered or licensed entities and individuals permitted to do so within the respective jurisdiction and only in conjunction with the legally required disclosure documents and subject to the all legally required regulatory filings.

© 2019 RAFI Indices, LLC. All rights reserved. Duplication or dissemination prohibited without prior written permission.