



First Trust NYSE Arca Biotechnology ETF • FBT (*formerly, First Trust AlphaDEX™ U.S. Materials Sector Index ETF • FHM*)*

Annual Management Report of Fund Performance
December 31, 2020

*Effective date of name change is February 17, 2021

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ANNUAL MANAGEMENT REPORT OF FUND PERFORMANCE

December 31, 2020

First Trust AlphaDEX™ U.S. Materials Sector Index ETF (the “First Trust ETF”)

This annual management report of fund performance contains financial highlights, but does not contain the complete audited annual financial statements of the First Trust ETF. All references to dollars contained herein are to Canadian dollars.

Securityholders may also contact us to request a copy of the First Trust ETF’s proxy voting policies and procedures, proxy voting disclosure record, or quarterly portfolio disclosures relating to the First Trust ETF by calling 1-877-622-5552, by writing to us at FT Portfolios Canada Co., 40 King Street West, Suite 5102, Scotia Plaza, Box 312, Toronto, Ontario M5H 3Y2 or by visiting our website at www.firsttrust.ca or SEDAR at www.sedar.com.

Forward-looking Statements

This document may contain forward-looking statements relating to anticipated future events, results, circumstances, performance or expectations that are not historical facts but instead represent beliefs regarding future events. By their nature, forward-looking statements are based on assumptions and are subject to inherent risks and uncertainties. There is significant risk that forward-looking statements will not prove to be accurate. Readers of this document should not place undue reliance on forward-looking statements as a number of factors could cause actual future results, conditions, actions or events to differ materially from the expectations, estimates or intentions expressed or implied in the forward-looking statements. These factors include but are not limited to market and general economic conditions, interest rates, foreign currency exchange rates, the extent of industry sector exposure, the performance of the securities of the issuers held in the portfolio and regulatory developments and the risks detailed in the First Trust ETF’s prospectus. The Manager does not undertake and specifically disclaims any intention or obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

First Trust AlphaDEX™ U.S. Materials Sector Index ETF

Management Report of Fund Performance

For the year ended December 31, 2020

Investment Objective and Strategy

The fundamental investment objective of **First Trust AlphaDEX™ U.S. Materials Sector Index ETF** (the “First Trust ETF”) is to replicate, to the extent possible, the performance of the StrataQuant® Materials Index (“Index”), net of expenses.

The investment strategy of the First Trust ETF is to invest in and hold the constituent securities of the Index in the same proportion as they are reflected in the Index or securities intended to replicate the performance of such Index. The Index results from applying the AlphaDEX™ methodology to the Russell 1000® Index, a market index representing the large and mid-capitalization segment of the U.S. equity universe, and then selecting the constituent securities for the Index from those qualifying stocks included in the Materials and Processing Sector.

The Manager may use a sampling methodology in selecting investments for the First Trust ETF. As an alternative or in conjunction with investing in and holding constituent securities, the First Trust ETF may also invest in other securities to obtain exposure to the constituent securities of the applicable Index in a manner that is consistent with the investment objective and investment strategy of the First Trust ETF.

In this case, the First Trust ETF may also obtain exposure to the applicable Index by holding securities of a US-listed index ETF, First Trust Materials AlphaDEX® Fund (NYSE Arca ticker: FXZ), of an affiliate of the Manager, which replicates or substantially replicates the applicable Index.

Although the First Trust ETF has two classes of units called “Units” and “Hedged Units*”, the First Trust ETF currently offers only Units on the TSX with the symbol: FHM.

*The Hedged Units of the First Trust ETF were qualified for distribution by a prospectus dated June 5, 2020. As of the date of this management report of fund performance (“MRFP”), the First Trust ETF has not offered any Hedged Units to the public. No transactions or other activities have been undertaken by the First Trust ETF for the Hedged Units for the year ended December 31, 2020. As such, no financial highlights or management discussion for the Hedged Units are included in this MRFP.

Risk

The risks associated with an investment in the First Trust ETF remain as discussed in the First Trust ETF’s most recent prospectus. There have been no significant changes during the period that affected the overall level of risk associated with the First Trust ETF. The First Trust ETF provides exposure to the materials sector of the U.S. equity market in a non-U.S. currency hedged manner.

Results of Operations

General

The First Trust ETF’s net asset value as of December 31, 2020 was \$1,433,424 or \$28.67 per unit. The First Trust ETF’s net asset value as of December 31, 2019 was \$1,201,943 or \$24.04 per unit.

For the year ended December 31, 2020, the First Trust ETF paid total cash distributions of \$1.3800, however, it did not declare cash distributions for record date of December 31, 2020. The First Trust ETF also made total notional distributions of \$3.9161 for the year ended December 31, 2020. These amounts were reinvested in the First Trust ETF and not paid in cash to unitholders.

Investment Performance

For the year ended December 31, 2020, the First Trust ETF returned 19.26% compared to the Russell 1000® Basic Materials Index (the “benchmark”) total return of 15.49%. Unlike the benchmark, the First Trust ETF’s return is net of fees and expenses.

As of December 31, 2020, the Basic Materials sector accounted for 1.83% of the weight of the Russell 1000® Index. The benchmark underperformed the Russell 1000® Index which returned 18.84%. The portfolio held 37 equity

First Trust AlphaDEX™ U.S. Materials Sector Index ETF

Management Report of Fund Performance

For the year ended December 31, 2020

securities as of December 31st, 2020. The top ten equity holdings accounted for 48.58% of the portfolio. The AlphaDEX™ stock selection process is a rules-based process and can result in industry weightings that differ from that of the benchmark.

The First Trust ETF outperformed during the year due to industry allocation and stock selection. The First Trust ETF benefited from an overweight allocation to the Industrial Metals and Mining industry which outperformed the benchmark during the year. Strong selection in the Chemicals industry also aided relative returns, including four of the top five contributors to return. Poor selection in the Industrial Metals and Mining, Construction and Materials, and Industrial Materials industries, including four of the five bottom contributors to return, partially offset the outperformance.

The top five stocks by contribution to return were Scotts Miracle-Gro Company Class A, Timken Company, Eastman Chemical Company, Olin Corporation, and Element Solutions, Inc. The bottom five stocks by contribution to return were Owens Corning, Domtar Corporation, Acuity Brands, Inc., United States Steel Corporation, and WestRock Company.

Recent Developments

The Russell 1000® Index gained 20.96% in 2020, including dividends, to close the year at a record high despite a 35% drawdown in the first quarter as it became clear the COVID-19 pandemic would cause significant disruptions to the U.S. economy. The U.S. dollar depreciated relative to the Canadian dollar in 2020, meaning the index gained 18.84% over the same year measured in Canadian dollars. Broad shutdowns of the U.S. economy caused the U.S. unemployment rate to rise from a 50-year low of 3.5% in February to a record high of 14.8% in April. Between March and April, the U.S. economy lost over 22 million jobs. However, over 12 million of those were recovered in the remaining 8 months of the year, bringing the unemployment rate back down to 6.7% in December. The rapid deterioration in economic conditions was met with swift action by the U.S. Federal Reserve, which cut interest rates to near zero in March and took unprecedented steps to keep liquidity flowing in the U.S. economy. The yield on the U.S. 10-Year Treasury fell to near 0.50%, which along with government stimulus contributed to the rally in U.S. stocks during the year. Vaccine rollouts towards the end of the year contributed to a rally in U.S. stocks in the fourth quarter, particularly cyclical stocks like financial and energy companies. The Russell 1000® Index finished the year trading at a P/E multiple of 31.5, compared to 22.2 at the end of 2019, with a dividend yield of 1.50%.

The Basic Materials sector performed relatively well during the year but underperformed the Russell 1000® Index. The sector was negatively impacted by a general slowdown in economic activity during the year caused by the COVID-19 pandemic. However, the Industrial Metals and Mining industry outperformed the Russell 1000® Index as the recent rollout of vaccines and more government stimulus improved the prospects for an increase in economic activity. The price of copper, for example, rose 26% measured in U.S. dollars during the year.

In February 2021, the First Trust ETF changed its investment objectives to seek to replicate, to the extent possible, the performance of an index of U.S. companies in the biotechnology industry, initially the NYSE Arca Biotechnology IndexSM. In connection with the change of investment objectives, the name of the First Trust ETF changed to First Trust NYSE Arca Biotechnology ETF. The First Trust ETF provides exposure to its new index by investing all or substantially all of its assets in an underlying U.S. index fund known as First Trust NYSE Arca Biotechnology Index Fund, which is managed by the First Trust ETF's portfolio advisor.

First Trust AlphaDEX™ U.S. Materials Sector Index ETF
Management Report of Fund Performance
For the year ended December 31, 2020

Related Party Transactions

FT Portfolios Canada Co. is the Manager of the First Trust ETF and is a Canadian affiliate of First Trust Advisors L.P., the investment advisor (the “Advisor”) of the First Trust ETF.

Pursuant to terms of the declaration of trust of the First Trust ETF, the Manager provides or arranges for all management, administrative and other services required by the First Trust ETF. The Manager receives a management fee from the First Trust ETF. For further details, please see “Management Fees”.

The Manager has retained the Advisor to provide certain services to the First Trust ETF pursuant to an investment advisory agreement. The Advisor receives advisory fees from the Manager out of the management fee.

First Trust AlphaDEX™ U.S. Materials Sector Index ETF

Management Report of Fund Performance

For the year ended December 31, 2020

Financial Highlights

The following tables show selected key financial information about the First Trust ETF and are intended to help you understand the First Trust ETF's financial performance for the past five years. This information is derived from the First Trust ETF's current audited annual financial statements.

Net Asset Value per Unit

FHM	Dec. 31, 2020	Dec. 31, 2019	Dec. 31, 2018	Dec. 31, 2017	Dec. 31, 2016
Net asset value, beginning of year ⁽¹⁾	\$24.04	\$22.11	\$26.55	\$23.97	\$19.65
Increase (Decrease) from operations:					
Total revenue	0.81	0.64	0.45	0.43	0.52
Total expenses	(0.30)	(0.28)	(0.27)	(0.27)	(0.24)
Realized gains (losses) for the year	14.63	5.07	1.65	7.02	2.54
Unrealized gains (losses) for the year	0.65	1.40	(3.77)	(2.38)	2.10
Total increase (decrease) from operations ⁽²⁾	\$15.79	\$6.83	\$(1.94)	\$4.80	\$4.92
Distributions:					
From income (excluding dividends)	(3.92)	(2.84)	-	(3.08)	(6.01)
From dividends	-	-	-	-	-
From capital gains	-	-	-	-	-
Return of capital	-	-	(0.17)	(0.25)	-
Total annual distributions ⁽³⁾	\$(3.92)	\$(2.84)	\$(0.17)	\$(3.33)	\$(6.01)
Net asset value, end of year ⁽⁴⁾	\$28.67	\$24.04	\$22.11	\$26.55	\$23.97

(1) This information is provided as at December 31 of the years shown and is prepared under IFRS.

(2) Net asset value and distributions are based on the actual number of units outstanding at the relevant time. The increase/decrease from operations is based on the weighted average number of units outstanding over the year.

(3) Distributions were paid in cash or reinvested in additional units of the First Trust ETF, or both. Non-cash distributions are reinvested in additional units of the First Trust ETF and subsequently consolidated. Neither the number of units held by the unitholder, nor the net asset per unit of the First Trust ETF change as a result of any non-cash distributions.

(4) This table is not intended to be a reconciliation of beginning to ending net asset value per unit.

Ratios and Supplemental Data

FHM	Dec. 31, 2020	Dec. 31, 2019	Dec. 31, 2018	Dec. 31, 2017	Dec. 31, 2016
Net asset value (000's)	\$1,433	\$1,202	\$2,211	\$2,655	\$2,397
Number of units outstanding	50,000	50,000	100,000	100,000	100,000
Management expense ratio ⁽¹⁾	0.80%	0.78%	0.78%	0.79%	0.79%
Management expense ratio before waivers or absorption	0.82%	0.80%	0.79%	0.81%	0.81%
Trading expense ratio ⁽²⁾	0.03%	0.01%	0.03%	0.04%	0.06%
Portfolio turnover rate ⁽³⁾	454.11%	537.36%	266.19%	284.81%	110.00%
Net asset value per unit	\$28.67	\$24.04	\$22.11	\$26.55	\$23.97

(1) Management expense ratio is based on total expenses (excluding commissions and other portfolio transaction costs) for the stated period/year and is expressed as an annualized percentage of daily average net asset value during the year.

(2) The trading expense ratio represents total commissions and other portfolio transaction costs expressed as an annualized percentage of daily average net asset value during the year.

(3) The First Trust ETF's portfolio turnover rate indicates how actively the First Trust ETF's portfolio advisor manages its portfolio investments. A portfolio turnover rate of 100% is equivalent to the First Trust ETF buying and selling all of the securities in its portfolio once in the course of the year. The higher a First Trust ETF's portfolio turnover rate in a period/year, the greater the trading cost payable by the First Trust ETF in the year, and the greater the chance of an investor receiving taxable capital gains in the year. There is not necessarily a relationship between high turnover rate and the performance of a First Trust ETF.

First Trust AlphaDEX™ U.S. Materials Sector Index ETF

Management Report of Fund Performance

For the year ended December 31, 2020

Management Fees

The First Trust ETF will pay the Manager a management fee of 0.70% based on the average daily NAV of the First Trust ETF. The management fee, plus applicable taxes including HST, will be accrued daily and paid monthly in arrears. The Manager may, from time to time in its discretion, waive all or a portion of the management fee charged at any given time.

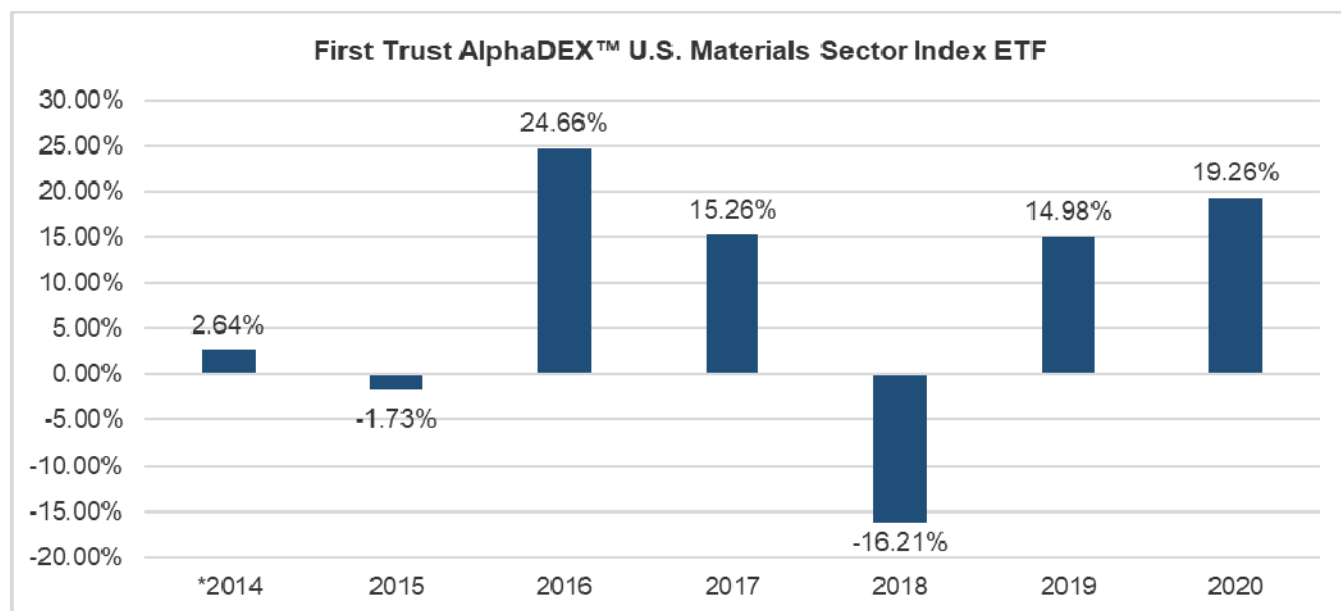
Past Performance

General

The past performance information shown assumes that all distributions made by the First Trust ETF in the period/years shown were reinvested in additional securities of the First Trust ETF. The performance information does not take into account sales, redemption, distribution or other optional charges that would have reduced returns or performance. How the First Trust ETF has performed in the past does not necessarily indicate how it will perform in the future.

Year by Year Returns

The bar chart below shows the First Trust ETF's performance for the years ended December 31, and for the period from commencement of operations to December 31, 2014 and illustrates how the investment fund's performance has changed from year to year. The chart also shows, in percentage terms, how much an investment made on the first day of each financial year would have grown or decreased by the last day of each financial year.



*First Trust ETF Commencement: October 30, 2014

First Trust AlphaDEX™ U.S. Materials Sector Index ETF

Management Report of Fund Performance

For the year ended December 31, 2020

Annual Compound Returns

The table below shows the First Trust ETF's annual compound total return since inception and for the years ended December 31, 2020. The annual compound return is compared to the returns of the relevant benchmarks and reference index; however, the First Trust ETF's return is net of fees and expenses. See Results of Operations section of this report for further information regarding the current year performance of the First Trust ETF relative to the benchmark/index.

	1-year	3-year	5-year	Since Inception
First Trust AlphaDEX™ U.S. Materials Sector Index ETF	19.26%	4.74%	10.55%	8.61%
Russell 1000® Basic Materials Index	15.49%	8.16%	11.14%	12.12%
Russell 1000® Index	18.84%	15.46%	13.61%	15.88%
S&P 500 Materials Index	18.61%	9.26%	11.20%	11.97%
StrataQuant® Materials Index*	20.71%	6.11%	11.88%	12.09%

The Russell 1000® Basic Materials Index is an unmanaged index which includes the stocks in the materials & processing sector of the Russell 1000® Index.

The Russell 1000® Index consists of the largest 1000 companies in the Russell 3000 Index. It represents the universe of large capitalization stocks from which most active money managers typically select.

The S&P 500 Materials Index is an unmanaged index which includes the stocks in the materials sector of the S&P 500 Index.

**Reference Index: StrataQuant® Materials Index is an "enhanced" index developed, maintained and sponsored by ICE Data Indices, LLC or its affiliates ("IDI") which employs the AlphaDEX® stock selection methodology to select stocks from the Russell 1000® Index.*

Summary of Investment Portfolio

The table below sets out the percentage (based on total net asset value) of the First Trust ETF's top 25 holdings as at December 31, 2020. This summary of portfolio holdings may change due to ongoing portfolio transactions of the First Trust ETF. Daily and quarterly updates are available at www.firsttrust.ca.

Top 25 Holdings	% of ETF Total Net Asset Value
Olin Corp.	5.86%
Hexcel Corp.	5.34%
Timken Co. (The)	5.27%
Element Solutions Inc.	4.99%
Scotts Miracle-Gro Co. (The), Class 'A'	4.81%
Westlake Chemical Corp.	4.77%
Steel Dynamics Inc.	4.76%
GrafTech International Ltd.	4.60%
Reliance Steel & Aluminum Co.	4.34%
LyondellBasell Industries NV, Class 'A'	3.84%
Eastman Chemical Co.	3.79%
CF Industries Holdings Inc.	3.73%
Nucor Corp.	3.51%
Newmont Corp.	3.49%
Albemarle Corp.	3.21%
Cabot Corp.	2.42%
International Paper Co.	2.38%
Celanese Corp.	2.34%
NewMarket Corp.	2.26%
Southern Copper Corp.	2.13%
Fastenal Co.	2.12%
FMC Corp.	2.10%
Avery Dennison Corp.	1.79%
Air Products and Chemicals Inc.	1.77%
Huntsman Corp.	1.67%
Total	87.29%

First Trust AlphaDEX™ U.S. Materials Sector Index ETF
Management Report of Fund Performance
For the year ended December 31, 2020

Portfolio Breakdown

The table below sets out the percentage (based on total net asset value) of the First Trust ETF's portfolio, by industry, as at December 31, 2020.

Industry Weightings	% of ETF Total Net Asset Value
Chemicals	57.60%
Industrial Metals and Mining	27.80%
Industrial Materials	9.51%
Precious Metals and Mining	4.79%
Cash and Cash Equivalents	0.32%
Other Assets, Less Liabilities	-0.02%
Total	100.00%

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