



VettaFi 2050 Energy Transition Index VNRGT

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Introduction

Index Objective

The VettaFi 2050 Energy Transition Index (VNRGT) is an index of Energy companies that transitions over time from Fossil Fuels to Clean Energy. All Fossil Fuels companies will be replaced by Clean Energy companies by 2050 corresponding with the timeline of Paris Agreement goals.

Dates

Snapshot Dates: The last trading day of the second month of each calendar quarter.

Reconstitution Date: Indexes reconstituted semi-annually on the third Friday of June and December.

Record Date: Thursday before 2nd Friday of Rebalance Month.

Rebalance Dates: Indexes are rebalanced quarterly on the third Friday of the last month of each calendar quarter.

Supporting Documents

This methodology is meant to be read in conjunction with supporting documents providing greater detail with respect to the policies, procedures and calculations described herein.

The list of the main supplemental documents for this methodology can be found in the Methodologies and Governance tabs on the [Index Resources](#) page as follows:

Supporting Documents
Index Maintenance Policy
Index Governance
Index Policies
Methodology Policies
Glossary
Index Change and Consultation Policy

Eligibility Criteria and Index Construction

Universe

Listings on recognized exchanges in Canada and the United States of America.

Multiple Share Classes and Dual Listed Companies

The share class with the highest 3MADTV is selected. A share class is replaced when it does not have the highest 3MADTV for its company for 3 quarters.

Constituent Selection

Companies included in VNRGT must be classified as being principally involved in the Fossil Fuels or Clean Energy segments. Classifications are created using ICE Sub Industry codes. Companies with the following ICE Sub Industry Codes are classified for the index:

ICE Sub Industry Code	ICE Sub Industry	Classification
1001020104	Solar Cells	Clean Energy
1101010101	Electricity Generation - Renewable	Clean Energy
0301010102	Uranium	Clean Energy
0303010101	Alternative Fuels	Clean Energy
0301010101	Thermal Coal	Fossil Fuels
0301020101	Natural Gas Exploration & Production	Fossil Fuels
0301020102	Offshore Oil & Gas Exploration & Production	Fossil Fuels
0301020103	Onshore Oil & Gas Exploration & Production	Fossil Fuels
0301020104	Oil & Gas Exploration & Production	Fossil Fuels
0301030101	Offshore Oil & Gas Drilling	Fossil Fuels
0301030102	Onshore Oil & Gas Drilling	Fossil Fuels
0301030103	Oil & Gas Drilling Equipment	Fossil Fuels
0301030104	E&P Support Services	Fossil Fuels
0301040101	Integrated Oil & Gas	Fossil Fuels
0302010101	Oil & Gas Pipelines & Storage	Fossil Fuels
0302020101	Oil & Gas Refining	Fossil Fuels
0302020102	Oil & Gas Marketing	Fossil Fuels
0302020103	Oil & Gas Refining & Marketing	Fossil Fuels

Further, the stock must meet all the following eligibility criteria:

- The minimum market capitalization value for each stock shall be 500 million USD.
- The minimum free float factor shall be 20%.
- The minimum average daily trading value for the previous three months shall be 1 million USD.

If a company has been trading for fewer than three calendar months but at least 22 trading days, the ADTV for its entire trading history shall be used to determine eligibility.

The total number of constituents in the index during a reconstitution shall be 50. Within segments, companies are ranked by market capitalization. Beginning with the 12/16/2016 reconstitution, the index had 7 and 43 Clean Energy and Fossil Fuels companies, respectively. Constituent count per segment is calculated using a straight-line approach where all index constituents shall be from the Clean Energy segment on the 12/16/2050 reconstitution. See Appendix A for constituent count per segment for all reconstitutions through 12/16/2050.

Constituent Weightings

The index is float modified market capitalization weighted within segment then modified by the segment weights. Beginning with the 12/16/2016 reconstitution, the index allocated 15% and 85% to Clean Energy and Fossil Fuels companies, respectively. Segment weight for all other reconstitutions is calculated using a straight-line approach where all index weights shall be allocated to Clean Energy companies on the 12/16/2050 reconstitution. See Appendix A for segment weights for all reconstitutions through 12/16/2050. Segment weights for the March and September rebalances will remain the same as the previous reconstitution's segment weights.

Within segments, constituents are capped at 10% weight. Excess weight is distributed proportionately across the uncapped constituents.

Index Maintenance

Rebalancing

The Indexes are rebalanced on the "Rebalance Date" and additionally reconstituted on the "Reconstitution Date".

Pricing used in share weights used for reconstitutions are as of the "Record Date".

Share weights for the rebalanced Indexes are computed as of the "Record Date".

Changes to the Indexes related to the rebalances are as of the "Rebalance Date".

Additions are only made on reconstitution dates.

Corporate Actions

Please refer to the Index Maintenance Policy document for information on Corporate Action processing.

Currency of Calculation

USD

Index Information

Index	Type	Ticker	Base Date	Base Value	Launch Date
VettaFi 2050 Energy Transition Index	Price	VNRGT	12/16/2016	1000	5/16/2023
VettaFi 2050 Energy Transition Index	Total Return	VNRGTT	12/16/2016	1000	5/16/2023
VettaFi 2050 Energy Transition Index	Net	VNRGTR	12/16/2016	1000	5/16/2023

Contact Information

For any questions regarding an index, please contact: indexgovernance@vettafi.com

Disclaimer

The Indices are proprietary to VettaFi. No use or publication may be made of an Index, or any of its provisions or values, without the prior written consent of VettaFi. VettaFi is not responsible for any errors or omissions, regardless of the cause, for the results obtained from the use of the Content. In no event shall VettaFi be liable to any party for any direct, indirect, incidental, exemplary, compensatory, punitive, special, or consequential damages, costs, expenses, legal fees, or losses (including, without limitation, lost income or lost profits and opportunity costs) in connection with any use of the Content.

Appendix A – Reconstitution Segment Counts and Weights

Reconstitution Date	Clean Energy - Segment Weight	Fossil Fuels - Segment Weight	Clean Energy - Constituent Count	Fossil Fuels - Constituent Count
12/16/2016	15%	85%	7	43
6/16/2017	16%	84%	8	42
12/15/2017	18%	82%	9	41
6/15/2018	19%	81%	9	41
12/21/2018	20%	80%	10	40
6/21/2019	21%	79%	10	40
12/20/2019	23%	77%	11	39
6/19/2020	24%	76%	12	38
12/18/2020	25%	75%	12	38
6/18/2021	26%	74%	13	37
12/17/2021	28%	72%	14	36
6/17/2022	29%	71%	14	36
12/16/2022	30%	70%	15	35
6/16/2023	31%	69%	15	35
12/15/2023	33%	67%	16	34
6/21/2024	34%	66%	17	33
12/20/2024	35%	65%	17	33
6/20/2025	36%	64%	18	32
12/19/2025	38%	62%	19	31
6/19/2026	39%	61%	19	31
12/18/2026	40%	60%	20	30
6/18/2027	41%	59%	20	30
12/17/2027	43%	57%	21	29
6/16/2028	44%	56%	22	28
12/15/2028	45%	55%	22	28
6/15/2029	46%	54%	23	27
12/21/2029	48%	52%	24	26
6/21/2030	49%	51%	24	26
12/20/2030	50%	50%	25	25
6/20/2031	51%	49%	25	25
12/19/2031	53%	47%	26	24
6/18/2032	54%	46%	27	23
12/17/2032	55%	45%	27	23
6/17/2033	56%	44%	28	22
12/16/2033	58%	42%	29	21
6/16/2034	59%	41%	29	21
12/15/2034	60%	40%	30	20
6/15/2035	61%	39%	30	20
12/21/2035	63%	37%	31	19
6/20/2036	64%	36%	32	18

12/19/2036	65%	35%	32	18
6/19/2037	66%	34%	33	17
12/18/2037	68%	32%	34	16
6/18/2038	69%	31%	34	16
12/17/2038	70%	30%	35	15
6/17/2039	71%	29%	35	15
12/16/2039	73%	27%	36	14
6/15/2040	74%	26%	37	13
12/21/2040	75%	25%	37	13
6/21/2041	76%	24%	38	12
12/20/2041	78%	22%	39	11
6/20/2042	79%	21%	39	11
12/19/2042	80%	20%	40	10
6/19/2043	81%	19%	40	10
12/18/2043	83%	17%	41	9
6/17/2044	84%	16%	42	8
12/16/2044	85%	15%	42	8
6/16/2045	86%	14%	43	7
12/15/2045	88%	12%	44	6
6/15/2046	89%	11%	44	6
12/21/2046	90%	10%	45	5
6/21/2047	91%	9%	45	5
12/20/2047	93%	7%	46	4
6/19/2048	94%	6%	47	3
12/18/2048	95%	5%	47	3
6/18/2049	96%	4%	48	2
12/17/2049	98%	2%	49	1
6/17/2050	99%	1%	49	1
12/16/2050	100%	0%	50	0