



# **VettaFi 2050 Global Energy Transition Index**

**VGNRGT**

## Table of Contents

Introduction .....	3
Index Objective .....	3
Dates .....	3
Supporting Documents .....	3
Eligibility Criteria and Index Construction .....	3
Universe .....	3
Multiple Share Classes and Dual Listed Companies.....	3
Constituent Selection.....	3
Constituent Weightings .....	4
Index Maintenance.....	5
Rebalancing .....	5
Corporate Actions .....	5
Currency of Calculation .....	5
Index Information.....	5
Contact Information .....	5
Disclaimer.....	5
Appendix A – Eligible Countries.....	6
Appendix B – Reconstitution Segment Counts and Weights .....	7

## Introduction

### Index Objective

The VettaFi 2050 Global Energy Transition Index (VGNRGT) is an index of Energy companies from developed and emerging markets 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. References throughout the methodology direct the reader to the relevant supporting document for further information on a specific topic. The list of the main supplemental documents for this methodology and the hyperlinks to those documents is as follows:

Supporting Documents	URL
Index Maintenance Policy	<a href="#">Index Maintenance Policy</a>
Index Governance	<a href="#">Index Governance</a>
Index Policies	<a href="#">Index Policies</a>

## Eligibility Criteria and Index Construction

### Universe

Listings on exchanges open to foreign investors within countries listed in Appendix A.

### Multiple Share Classes and Dual Listed Companies

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

### Constituent Selection

Companies included in VGNRGT 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 of 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 100. Within segments, companies are ranked by market capitalization. Beginning with the 12/16/2016 reconstitution, the index had 15 and 85 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 B 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 B 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 Global Energy Transition Index	Price	VGNRGT	12/16/2016	1000	09/07/2023
VettaFi 2050 Global Energy Transition Index	Total Return	VGNRGTT	12/16/2016	1000	09/07/2023
VettaFi 2050 Global Energy Transition Index	Net	VGNRGTR	12/16/2016	1000	09/07/2023

### Contact Information

For any questions regarding an index, please contact: [indexgovernance@vettafi.com](mailto: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 – Eligible Countries

ISO Codes	Country of Exchange
AT	Austria
AU	Australia
BE	Belgium
BR	Brazil
CA	Canada
CH	Switzerland
CL	Chile
CN	China
CO	Colombia
CZ	Czech Republic
DE	Germany
DK	Denmark
EG	Egypt
ES	Spain
FI	Finland
FR	France
GB	United Kingdom of Great Britain and Northern Ireland
GR	Greece
HK	Hong Kong
HU	Hungary
IE	Ireland
IL	Israel
IT	Italy
JP	Japan
KR	Korea, Republic of
LU	Luxembourg
MX	Mexico
MY	Malaysia
NL	Netherlands
NO	Norway
NZ	New Zealand
PL	Poland
PR	Puerto Rico
PT	Portugal
QA	Qatar
SE	Sweden
SG	Singapore
TR	Turkey
TW	Taiwan, Province of China
US	United States of America
ZA	South Africa

## Appendix B – Reconstitution Segment Counts and Weights

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

12/19/2036	65%	35%	65	35
6/19/2037	66%	34%	66	34
12/18/2037	68%	32%	68	32
6/18/2038	69%	31%	69	31
12/17/2038	70%	30%	70	30
6/17/2039	71%	29%	71	29
12/16/2039	72%	28%	72	28
6/15/2040	74%	26%	74	26
12/21/2040	75%	25%	75	25
6/21/2041	76%	24%	76	24
12/20/2041	77%	23%	77	23
6/20/2042	79%	21%	79	21
12/19/2042	80%	20%	80	20
6/19/2043	81%	19%	81	19
12/18/2043	82%	18%	82	18
6/17/2044	84%	16%	84	16
12/16/2044	85%	15%	85	15
6/16/2045	86%	14%	86	14
12/15/2045	87%	13%	87	13
6/15/2046	89%	11%	89	11
12/21/2046	90%	10%	90	10
6/21/2047	91%	9%	91	9
12/20/2047	92%	8%	92	8
6/19/2048	94%	6%	94	6
12/18/2048	95%	5%	95	5
6/18/2049	96%	4%	96	4
12/17/2049	97%	3%	97	3
6/17/2050	99%	1%	99	1
12/16/2050	100%	0%	100	0