

## Announcement

### Methodology change of the Indxx Renewable Energy Producers v2 Index

**New York – March 10, 2022** - Effective March 10, 2022 the following are the changes in the methodology of the Indxx Renewable Energy Producers v2 Index:

- Security Selection Process (Section 1.3)

Below is the amended methodology which will be effective from March 10, 2022.

March 2022

# INDXX RENEWABLE ENERGY PRODUCERS V2 INDEX METHODOLOGY

## CONTENTS

1. INDXX RENEWABLE ENERGY PRODUCERS V2 INDEX .....	3
1.1 INDEX DESCRIPTION .....	3
1.2 CREATION OF MASTER LIST .....	3
1.2.1 Initial Universe .....	3
1.2.2 Free Float .....	3
1.2.3 Maximum Price .....	3
1.2.4 Security Type .....	3
1.2.5 Share Classes .....	4
1.3 SECURITY SELECTION PROCESS .....	4
1.4 FINAL COMPOSITION .....	6
1.5 WEIGHTING .....	6
1.6 BUFFER RULES .....	6
1.6.1 Market Capitalization .....	6
1.6.1 Liquidity .....	6
1.7 RECONSTITUTION AND REBALANCING RULES .....	6
1.8 CORPORATE ACTIONS .....	7
2. APPENDIX .....	8
2.1 METHODOLOGY CHANGES .....	8
3. DISCLAIMER .....	11

---

# 1. INDXX RENEWABLE ENERGY PRODUCERS V2 INDEX

---

## 1.1 INDEX DESCRIPTION

The Indxx Renewable Energy Producers v2 Index is designed to track the performance of companies that produce energy from renewable sources such as wind, solar, hydroelectric, geothermal, and biofuels.

The index has a base date of February 19, 2021 with an initial value of 1,000.

The index is currently available in the following versions:

- Total Return (Bloomberg Ticker: IYLCORT2)
- Price Return (Bloomberg Ticker: IYLCORP2)
- Net Total Return (Bloomberg Ticker: IYLCORE2)

## 1.2 CREATION OF MASTER LIST

### 1.2.1 Initial Universe

To be eligible for inclusion in the Initial Universe, securities must have:

- Their listing either in a Developed or in an Emerging Market, excluding India. Developed and Emerging Markets are defined by Indxx in its 'Country Classification and Investability Requirements' document.
- A minimum total market capitalization of \$500 million.
- A 6-month average daily turnover greater than or equal to \$2 million.
- The security must have traded on 90% of the eligible trading days in the last 6 months. In case a security does not have a trading history of 6 months (only IPOs), such a security must have started trading at least 3 months before the start of the Reconstitution/Rebalancing Process and should have traded on 90% of the eligible trading days for the past 3 months.

### 1.2.2 Free Float

All securities must meet at least one of the following criteria:

- Minimum free float equivalent to 10% of shares outstanding.
- (or)
- Minimum free float market capitalization of \$1 billion.

### 1.2.3 Maximum Price

Securities trading at a price of \$10,000 or above are ineligible for inclusion in the universe. This rule is not applicable for existing constituents. Existing constituents shall remain in the universe irrespective of their stock price.

### 1.2.4 Security Type

The following security types are eligible for inclusion:

- Common Stock
- ADR
- GDR

- DR
- Limited Partnerships

### 1.2.5 Share Classes

- The existing share class/listing in the portfolio is retained if it satisfies all the eligibility criteria of the index.
- In all other cases, the most liquid share class/listing is considered for inclusion.

## 1.3 SECURITY SELECTION PROCESS

Based on extensive research, Indxx has defined Renewable Energy Producers as the following:

Companies involved in the production of energy from renewable sources such as wind, solar, hydroelectric, geothermal, and biofuels (including YieldCos).

The theme is comprised of companies in the following FactSet Industries:

Alternative Power Generation	Electronic Equipment/Instruments	Industrial Machinery
Auto Parts: OEM	Electronic Production Equipment	Industrial Specialties
Chemicals: Specialty	Engineering & Construction	Miscellaneous Manufacturing
Electric Utilities	Environmental Services	Motor Vehicles
Electrical Products	Gas Distributors	Other Metals/Minerals
Electronic Components	Household/Personal Care	Semiconductors

The industries identified through this research-based approach are subject to change at the time of each semi-annual reconstitution.

Only pure play companies i.e. companies that generate greater than or equal to 50% of their revenues from any or all the businesses mentioned above are eligible for inclusion in the 'Selection List' for the index.

These companies are evaluated on ESG screens as mentioned below.

The security selection based on ESG screens are provided by Minerva Analytics using their proprietary ESG framework.

#### 1. UN Global Compact Principles –

To be eligible for the Selection List in a UNGC screen, securities are assigned severity-score based on level of severity and frequency of violation. Each security is evaluated in each of the below categories based on the level of severity– Severe (score-20), High (score-10), Moderate (score-4), Minor (score-2) and None (score-0).

- Non-Compliance with the UNGC is assessed under four pillars: human rights, labour rights, environmental damage, and anti-corruption/bribery.

#### 2. Controversial Product –

Controversial products are assessed by product using thresholds. A company will not be eligible for the Selection List if it breaches any of the below thresholds.

- a) Controversial Weapons
  - Companies involved in the production, development, or maintenance of anti-personnel mines, biological or chemical weapons, cluster munitions, depleted uranium, nuclear weapons, or any other weapon that violate humanitarian principles through normal use.
  - Companies that produce or develop key and dedicated components for controversial weapons.
  - Companies involved in the production and/or services tailor made for the defense industry or the military.
  - Companies that hold  $\geq 20\%$  stake in a company that is involved in controversial weapons.
  - Companies currently  $\geq 50\%$  owned by a company that is involved in controversial weapons.
- b) Small Arms
  - $>5\%$  of their revenue from the production or distribution of arms, both public and private.
- c) Thermal Coal
  - $>10\%$  revenue from the exploration, mining or refining of thermal coal.
  - Companies that base 30% or more of their operations on thermal coal.
  - Companies that produce  $>20$  million tons of thermal- coal annually and are actively expanding.
- d) Conventional Oil & Gas
  - $>5\%$  revenue from conventional oil and gas production, including natural gas, petroleum, and crude oil.
  - Companies building or operating pipelines that significantly facilitate export of conventional oil and gas.
- e) Unconventional Oil & Gas
  - $>5\%$  revenue from unconventional oil and gas production, including revenue from oil sands, oil shale, shale gas and oil and gas production in the arctic regions.
  - Companies building or operating pipelines that significantly facilitate export of unconventional oil and gas.
- f) Palm Oil
  - Companies that are involved in systematic unsustainable palm oil production.
- g) Prisons
  - Private companies that are involved in management or ownership of prisons.
- h) Adult Entertainment
  - $>0\%$  revenue from production of adult entertainment.
  - $>5\%$  revenue from the distribution of adult entertainment.
- i) Recreational Cannabis & Tobacco
  - $>5\%$  revenue from recreational cannabis.
  - $>0\%$  revenue from tobacco manufacturing.
  - $>5\%$  revenue from tobacco distribution and/or sale of tobacco products.
- j) Alcohol
  - $>0\%$  revenue from the production of alcoholic beverages including ingredients solely used in alcoholic beverages.
  - $>5\%$  revenue from the distribution of alcoholic beverages or alcoholic related services.
- k) Gambling
  - $>0\%$  revenue from owning or operating gambling establishments.
  - $>5\%$  revenue from providing supporting products/services to gambling operations.
  - $>5\%$  revenue from manufacturing specialized equipment used exclusively for gambling.

Securities having severity-score greater than or equal to 20 are ineligible for inclusion in the Selection List.

The companies that satisfy the above criteria are included in the Selection List for the index.

## 1.4 FINAL COMPOSITION

From the Selection List:

- The top 50 Pure-Play companies ranked by market capitalization are included in the index.
- If there are fewer than 50 Pure-Play companies, all Pure-Play companies are included in the index.

## 1.5 WEIGHTING

The index is weighted as follows:

- Components are weighted based on their security-level market capitalization.
- A single security cap of 6% and a single security floor of 0.3% is applied.
- The aggregate weight of all the components with a weight greater than 5% is capped at 40%. All remaining securities are capped at 4.5%.
- The aggregate weight of partnerships is capped at 25%. Any excess weight is redistributed proportionately among the non-capped components.
- If the weighting scheme becomes infeasible due to a decrease in number of components, the single security cap may be relaxed.

## 1.6 BUFFER RULES

Buffer Rules are employed to reduce Portfolio Turnover. The following buffer rules apply:

### 1.6.1 Market Capitalization

A constituent shall continue to be included in the Initial Universe if its market capitalization is greater than or equal to 80% of the previously defined market capitalization limit. To illustrate, if an existing index member qualifies all other selection criteria but doesn't qualify the market capitalization criteria to the extent of 20% deviation then it will be retained in the investible universe.

### 1.6.1 Liquidity

A constituent shall continue to be included in the Initial Universe if its 6-month ADTV is greater than or equal to 70% of the previously defined liquidity limit. To illustrate, if an existing index member qualifies all other selection criteria but doesn't qualify liquidity criteria to the extent of 30% deviation then it will be retained in the investible universe.

## 1.7 RECONSTITUTION AND REBALANCING RULES

- The index follows a semi-annual reconstitution and rebalancing schedule. The new portfolio becomes effective at the close of the last business day of January and July each year. This day is called the 'Effective Day.'
- The security selection and portfolio creation process start on the close of the nearest Friday falling at least one month before the effective day, called the 'Selection Day.' The selection list is created based on the data as of the Selection Day.

- Weights are calculated at the close of the seventh trading day prior (six trading days prior) to the Effective Day. Index Shares are frozen using weights as of this day.

## 1.8 CORPORATE ACTIONS

The corporate action guidebook is present in the Announcements section of our website, under 'Index Documents.'



## 2. APPENDIX

### 2.1 METHODOLOGY CHANGES

Methodology changes since March 2022 are as follows:

Section	Previous Value	New Value	Effective Date (close)
1.3		<p>These companies are evaluated on ESG screens as mentioned below.</p> <p>The security selection based on ESG screens are provided by Minerva Analytics using their proprietary ESG framework.</p> <p>1. UN Global Compact Principles – To be eligible for the Selection List in a UNGC screen, securities are assigned severity-score based on level of severity and frequency of violation. Each security is evaluated in each of the below category based on the level of severity – Severe (score-20), High (score-10), Moderate (score-4), Minor (score-2) and None (score-0).</p> <ul style="list-style-type: none"> <li>• Non-Compliance with the UNGC is assessed under four pillars: human rights, labour rights, environmental damage and anti-corruption/bribery.</li> </ul> <p>2. Controversial Product – Controversial products are assessed by product using thresholds. A company will not be eligible for the Selection List if it breaches any of the below thresholds.</p> <p>a) Controversial Weapons</p> <ul style="list-style-type: none"> <li>• Companies involved in the production, development, or maintenance of anti-personnel mines, biological or chemical weapons, cluster munitions, depleted uranium, nuclear weapons, or any other weapon that violate humanitarian principles through normal use.</li> <li>• Companies that produce or develop key and dedicated components for controversial weapons.</li> <li>• Companies involved in the production and/or services tailor made for the defense industry or the military.</li> </ul>	Mar 10, 2022

Section	Previous Value	New Value	Effective Date (close)
		<ul style="list-style-type: none"> <li>• Companies that hold <math>\geq 20\%</math> stake in a company that is involved in controversial weapons.</li> <li>• Companies currently <math>\geq 50\%</math> owned by a company that is involved in controversial weapons.</li> </ul> <p>b) Small Arms</p> <ul style="list-style-type: none"> <li>• <math>&gt;5\%</math> of their revenue from the production or distribution of arms, both public and private.</li> </ul> <p>c) Thermal Coal</p> <ul style="list-style-type: none"> <li>• <math>&gt;10\%</math> revenue from the exploration, mining or refining of thermal coal.</li> <li>• Companies that base 30% or more of their operations on thermal coal.</li> <li>• Companies that produce <math>&gt;20</math> million tons of thermal- coal annually and are actively expanding.</li> </ul> <p>d) Conventional Oil &amp; Gas</p> <ul style="list-style-type: none"> <li>• <math>&gt;5\%</math> revenue from conventional oil and gas production, including natural gas, petroleum, and crude oil.</li> <li>• Companies building or operating pipelines that significantly facilitate export of conventional oil and gas.</li> </ul> <p>e) Unconventional Oil &amp; Gas</p> <ul style="list-style-type: none"> <li>• <math>&gt;5\%</math> revenue from unconventional oil and gas production, including revenue from oil sands, oil shale, shale gas and oil and gas production in the arctic regions.</li> <li>• Companies building or operating pipelines that significantly facilitate export of unconventional oil and gas.</li> </ul> <p>f) Palm Oil</p> <ul style="list-style-type: none"> <li>• Companies that are involved in systematic unsustainable palm oil production.</li> </ul> <p>g) Prisons</p> <ul style="list-style-type: none"> <li>• Private companies that are involved in management or ownership of prisons.</li> </ul>	

Section	Previous Value	New Value	Effective Date (close)
		<p>h) Adult Entertainment</p> <ul style="list-style-type: none"> <li>• &gt;0% revenue from production of adult entertainment.</li> <li>• &gt;5% revenue from the distribution of adult entertainment.</li> </ul> <p>i) Recreational Cannabis &amp; Tobacco</p> <ul style="list-style-type: none"> <li>• &gt;5% revenue from recreational cannabis.</li> <li>• &gt;0% revenue from tobacco manufacturing.</li> <li>• &gt;5% revenue from tobacco distribution and/or sale of tobacco products.</li> </ul> <p>j) Alcohol</p> <ul style="list-style-type: none"> <li>• &gt;0% revenue from the production of alcoholic beverages including ingredients solely used in alcoholic beverages.</li> <li>• &gt;5% revenue from the distribution of alcoholic beverages or alcoholic related services.</li> </ul> <p>k) Gambling</p> <ul style="list-style-type: none"> <li>• &gt;0% revenue from owning or operating gambling establishments.</li> <li>• &gt;5% revenue from providing supporting products/services to gambling operations.</li> <li>• &gt;5% revenue from manufacturing specialized equipment used exclusively for gambling.</li> </ul> <p>Securities having severity-score greater than or equal to 20 are ineligible for inclusion in the Selection List.</p> <p>The companies that satisfy the above criteria are included in the Selection List for the index.</p>	

### 3. DISCLAIMER

---

This methodology document and all information contained herein including, without limitation, all text, data, graphs, charts, visuals and theory (collectively, the “information”), were created by and is the sole property of Indxx, LLC. Redistribution, reproduction and/or photocopying of this document in whole or part is prohibited without written permission from Indxx. All information in this document provided by Indxx is impersonal and not tailored to the needs of any person, entity or group. None of the information constitutes an attempt at an offer to sell (or an attempt of an offer to buy), or a promotion or recommendation of, any security, product, investment vehicle or any trading strategy, and Indxx does not endorse, approve or otherwise express any opinion regarding any issuer, security, financial product, instrument, or trading strategy. None of the information, Indxx indices, models, other products or services contained herein is intended to constitute investment advice or a recommendation to make (or refrain from making) any kind of investment decision and should not be relied on as such. A decision to invest in any investment fund or other vehicle should not be made based solely on information or statements contained in this document. Prospective investors are advised to make an investment in any such fund or other vehicle only after carefully considering the risks, fees and expenses associated with investing, as detailed in an offering memorandum or similar document that is prepared by or on behalf of the issuer of the investment fund or other vehicle. Historical data, analysis and performance of Indxx indices should not be taken as an indication or guarantee of any future performance. Indxx does not guarantee the accuracy and/or completeness of any Indxx index, any data included herein, or any data from which it is based, and Indxx shall have no liability for any errors, omissions, or interruptions therein. All information in these materials is provided “as is” and the content may change without notice.

For more information on the index, please email [info@indxx.com](mailto:info@indxx.com).

Learn more at [www.indxx.com](http://www.indxx.com).