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INDXX RENEWABLE ENERGY PRODUCERS INDEX METHODOLOGY

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1. INDXX RENEWABLE ENERGY PRODUCERS INDEX

1.1 INDEX DESCRIPTION

The Indxx Renewable Energy Producers 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 March 31, 2016 with an initial value of 1,000.

The index is currently available in the following versions:

- Net Total Return (Bloomberg Ticker: IYLCOREC)

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 and Taiwan. 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.

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 May 2023 are as follows:

Section	Previous Value	New Value	Effective Date (close)
1.2.1	Their listing either in a Developed or in an Emerging Market, excluding India.	Their listing either in a Developed or in an Emerging Market, excluding India and Taiwan.	May 15, 2023

3. DISCLAIMER

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