



## INDEX METHODOLOGY

# NASDAQ OMX CLEAN EDGE SMART GRID INFRASTRUCTURE™ INDEX

## QGRD™

### INDEX DESCRIPTION

The Nasdaq OMX Clean Edge Smart Grid Infrastructure Index is designed to act as a transparent and liquid benchmark for the smart grid and electric infrastructure sector. The Index includes companies that are primarily engaged and involved in electric grid; electric meters, devices, and networks; energy storage and management; connected mobility; and enabling software used by the smart grid and electric infrastructure sector (including both pure play companies focused on the smart grid sector and diversified multinationals with smart grid sector exposure).

### SECURITY ELIGIBILITY CRITERIA

To qualify for Index inclusion, securities must meet the following Security Eligibility Criteria, which are applied as of the Reconstitution reference date.

#### Security types

Eligible security types generally include common stocks, ordinary shares, depositary receipts, depositary shares, Real Estate Investment Trusts (REITs), limited partnership interests, and tracking stocks. Preferred shares<sup>1</sup> and units are also eligible for securities listed in Brazil.

#### Multiple classes of securities

One security per issuer is permitted. If an issuer has multiple otherwise-eligible securities, one of which is an Index Security as of the Reconstitution reference date, only that security may be eligible; otherwise, only the security with the highest three-month average daily value traded (ADVT) may be eligible.

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<sup>1</sup> Preferred shares that demonstrate characteristics similar to an equity security type and are not fixed income type securities (i.e., convertible stocks, bonds, and preferred stocks).

## **Eligible exchanges**

A security must be listed on an Index-eligible global stock exchange identified in **Nasdaq Eligible Exchanges**, with the exception of the following ineligible exchanges: BSE Ltd., National Stock Exchange of India, Shanghai Stock Exchange, and Shenzhen Stock Exchange.

## **Industries and sectors**

A security must be classified as a smart grid; electric infrastructure; EV network; smart building; software; and/or other grid related activities company, as determined by Clean Edge.

## **Market capitalization**

An issuer must have a market capitalization of at least \$100 million (USD).

## **Liquidity**

Each security must have a three-month ADVT of at least \$500 thousand (USD).

## **Seasoning**

Each security must have traded for at least three months on an index-eligible exchange prior to the Reconstitution reference date.

## **Float**

At least 20% of a security's total shares outstanding must be publicly available for trading (float shares).

## **Other eligibility criteria**

If, at reconstitution, Nasdaq becomes aware that an issuer or security will soon undergo a fundamental change that makes it ineligible, Nasdaq will remove the security from consideration. This includes entering into a definitive merger or acquisition agreement or other pending arrangement that would make it ineligible for Index inclusion, or a filing of bankruptcy or similar protection from creditors.

# **CONSTITUENT SELECTION**

## **Constituent selection process**

An Index Reconstitution is conducted semiannually based on the Reconstitution reference date.

All securities that meet the applicable Security Eligibility Criteria are included in the Index.

## CONSTITUENT WEIGHTING

### Constituent weighting scheme

The Index is a modified free float market capitalization-weighted index.

### Constituent weighting process

An Index Rebalance is conducted quarterly based on the Rebalance reference date.

Clean Edge categorizes each eligible company as Pure Play or Diversified. Pure Play companies are those that receive a significant portion of revenue from smart grid and grid infrastructure activities. Diversified companies are those that have activities that contribute to broader grid modernization and smart grid market.

Category weights are set to the following values, which may only change when necessitated by security-level constraints:

- Pure Play: 80%
- Diversified: 20%

All Index Securities' initial weights are determined by dividing each Index Security's free float market capitalization by the sum of all Index Securities' free float market capitalizations. Initial index weights are then adjusted separately by category. Securities in the Pure Play category undergo a two-stage weight adjustment while securities in the Diversified category undergo a one-stage weight adjustment.

**Pure Play Stage 1:** Initial index weights of Pure Play Index Securities are adjusted to meet the following Stage 1 constraints, producing Stage 1 weights:

- No Pure Play Index Security weight may exceed 8% of the entire index.
- The collective weight of Pure Play securities must equal 80%.

**Pure Play Stage 2:** Stage 1 weights of Pure Play Index Securities are adjusted to meet the following Stage 2 constraints, producing their final weights:

- For Pure Play Index Securities with the five largest free float market capitalizations among Pure Play securities, Stage 1 weights are maintained.
- For all other Pure Play Index Securities, no weight may exceed 4% of the entire index.
- The collective weight of Pure Play securities must equal 80%.

**Diversified:** Initial index weights of Diversified Index Securities are adjusted to meet the following constraint:

- No Diversified Index Security weight may exceed 2% of the entire index.
- The collective weight of Diversified securities must equal 20%.

The final set of index weights satisfies the following constraints:

- Securities in the Pure Play category must have a collective weight of 80%, unless necessitated to change by security-level constraints.
- No Pure Play Index Security weight may exceed 8%.

- No more than five Pure Play securities may have weights exceeding 4%
- Securities in the Diversified category must have a collective weight of 20%, unless necessitated to change by security-level constraints.
- No Diversified Index Security weight may exceed 2%.

## INDEX CALENDAR

### Reconstitution & Rebalancing schedule

<b>Reconstitution Frequency</b>	Semiannually
<b>Rebalance Frequency</b>	Quarterly
<b>Reconstitution Reference Dates</b>	Last trading day of February and August, respectively
<b>Reconstitution Announcement Dates</b>	After the close on the sixth trading day prior to the Reconstitution effective date
<b>Reconstitution Effective Dates</b>	At market open on the first trading day following the third Friday in March and September, respectively
<b>Rebalance Reference Dates</b>	Last trading day of February, May, August and November, respectively
<b>Rebalance Announcement Dates</b>	After the close on the sixth trading day prior to the Rebalance effective date
<b>Rebalance Effective Dates</b>	At market open on the first trading day following the third Friday in March, June, September and December, respectively

### Holiday schedule

The Index is calculated Monday through Friday and does not close for holidays, as it is a Global Index.

### Index calculation and dissemination schedule

The Index is calculated five (5) days a week, Monday through Friday, starting with the earliest time zone (Asia/Tokyo) and closing with the latest time zone (America/New York), 12:30:01 Japan Standard Time to 17:16:00 Eastern Time.

## INDEX MAINTENANCE

### Deletion policy

If, at any time during the year other than the Index Reconstitution(s), an Index Security no longer meets the Eligibility Criteria, or is otherwise determined to have become ineligible for inclusion in the Index, it is removed from the Index. This includes circumstances where an Index Security is determined to be ineligible for continued inclusion in the Index due to bankruptcy, delisting, or a definitive agreement that would likely result in the security no longer being Index eligible. Please refer to Nasdaq's **Corporate Actions and Events Manual – Equities** for detailed handling of the aforementioned event types.

### Replacement policy

Index securities deleted at any time during the year other than the Index Reconstitution(s) are not replaced.

### Corporate actions

In the interim periods between scheduled index reconstitution events, individual Index securities may be the subject to a variety of corporate actions and events that require maintenance and adjustments to the Index. Specific treatment of each type of corporate action or event is described in Nasdaq's **Corporate Actions and Events Manual – Equities**, which is incorporated herein by reference.

In certain cases, corporate actions and events are handled according to the weighting scheme or other index construction techniques employed. Wherever alternate methods are described, the Index will follow the "Market Cap Corporate Action Method."

### Index share adjustments

Changes in the price and/or Index Shares driven by corporate events such as stock dividends, stock splits and certain spin-offs and rights issuances are adjusted on the ex-date.

For handling of changes to a security's free float factor, or changes in total shares outstanding (TSO) greater than 10% arising from other corporate events, please refer to Nasdaq's **Corporate Actions and Events Manual – Equities**.

## ADDITIONAL INFORMATION

### Announcements

Nasdaq announces Index-related information via the Nasdaq Global Index Watch (GIW) website at <http://indexes.nasdaqomx.com>.

For more information on the general Index Announcement procedures, please refer to the **Nasdaq Index Methodology Guide**.

## **Unexpected market closures**

For information on Unexpected Market Closures, please refer to the **Nasdaq Index Methodology Guide**.

## **Calculation types**

For information on the Index calculation types as well as the mathematical approach used to calculate the Index(es), please refer to the **Calculation Manual – Equities and Commodities**.

## **Recalculation and restatement policy**

For information on the Recalculation and Restatement Policy, please refer to the **Nasdaq Index Recalculation Policy**.

## **Data sources**

For information on data sources and the classification of dividends and associated tax rates, please refer to the **Nasdaq Index Methodology Guide**.

## **Contact information**

For any questions regarding an Index, please contact the Nasdaq Index Client Services team at [indexservices@nasdaq.com](mailto:indexservices@nasdaq.com).

## **Index dissemination**

Index values and weightings information are available through Nasdaq Global Index Watch (GIW) website at <https://indexes.nasdaqomx.com/> as well as the Nasdaq Global Index FlexFile Delivery Service (GIFFD) and Global Index Dissemination Services (GIDS). Similar to the GIDS offerings, Genium Consolidated Feed (GCF) provides real-time Index values and weightings for the Nordic Indexes.

For more detailed information regarding Index Dissemination, see the **Nasdaq Index Methodology Guide**.

## **Website**

For further information, please refer to Nasdaq GIW website at <https://indexes.nasdaqomx.com/>.

## **FTP and dissemination service**

Index values and weightings are available via FTP on the Nasdaq Global Indexes FlexFile Delivery Service (GIFFD). Index values are available via Nasdaq's Global Index Dissemination Services (GIDS).

## GOVERNANCE

All Nasdaq Indexes are managed by the governance committee structure and have transparent governance, oversight, and accountability procedures for the index determination process. For further details on the Index Methodology and Governance overlay, refer to the **Nasdaq Index Methodology Guide**.

## GLOSSARY OF TERMS AS USED IN THIS DOCUMENT

For the glossary of key terms, please refer to the **Nasdaq Index Methodology Guide**.

## DISCLAIMER

Nasdaq may, from time to time, exercise reasonable discretion as it deems appropriate in order to ensure Index integrity, including but not limited to, quantitative inclusion criteria. Nasdaq may also, due to special circumstances, if deemed essential, apply discretionary adjustments to ensure and maintain the high quality of the index construction and calculation. Nasdaq does not guarantee that any Index accurately reflects future market performance.

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