

Grid Supply Point Operational Metering Data

The files in this directory contain time series data taken from Northern Powergrid's historian system relating to analogue sensors located at Grid Supply Point substations within the Northern Powergrid electricity network.

The data is the first in a series of releases under an Energy Networks Association Open Networks initiative aimed at enabling interested parties to gain a greater insight into the capacity available in the distribution network.

All data provided is licensed under the Northern Powergrid Open Data Licence v1.0.

Data is provided in JSON format which should enable it to be conveniently read into third party systems for further analysis and gives the possibility of more granular and/or on-demand releases in future. The format is formed of two nested arrays comprising:

- a) substation name, feeder name, measurement type, unit and array b
- b) timestamp and value

The data is taken from transducers installed on the distribution network. Many of these have been installed for indicative purposes only and take data from instrumentation circuits that were not intended for accurate measurement (this is particularly true for individual feeder currents). It is therefore advisable to verify values by cross reference and/or aggregation before relying on individual series.

The data has been minimally pre-processed to remove the following:

- flat line (unchanging for a whole month) data sets (i.e. faulty/absent/de-energised transducers)
- sensitive data which identifies the activities of a single customer
- spurious values after the decimal point caused by integer to float conversion

NORTHERN POWERGRID

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