

Establishment of Wind/Solar Forecasts

Registration:
Wind/Solar Resource
submits Static Plant
Data

- Static plant data submitted during NYISO Customer and Resource Registration process
- Section EE of registration package
- Includes descriptions of their individual site configuration, turbine and solar array locations, meteorological (met) tower locations, make/model information, and unique identifiers for each meteorological data collection point

Plant Modeling:
NYISO, and external
forecast vendor model
the plant in their
systems

- NYISO transfers plant specific data (including Section BB and EE of Registration package) to external forecast vendor for each individual plant to be modeled in their system
- NYISO models the resource in its operational systems
- Vendor performs data integrity check, communicates with NYISO Registration if any information needs to be resubmitted
- Vendor reviews physical location of plant and meteorological data collection points for accuracy
- At minimum, each wind turbine or solar array at the plant site must be within 5 kilometers of a meteorological data collection point. This is the minimum requirement only
- See [Section 3.3.2 of Wind and Solar Plant Operator User's Guide](#) for more details

Resource sets up
transfer of Real Time
met data elements to
NYISO

- Wind/Solar plant owner sets up technology to enable data transfer of Real-time meteorological data with the NYISO; NYISO will in turn transfer data to the forecast vendor
- Details on formats and protocols, as well as equipment maintenance details in [Appendix A of the Wind and Solar Plant Operator's User's Guide](#)
- SendMetData message: Message web service hosted by NYISO for plants to transfer met data
- For data elements and descriptions of the data elements, see [section A.11 of Appendix A of the above-mentioned User's Guide](#)

Testing of Real-time
met data transfer to
the NYISO

Plant starts
transferring Real-time
met data for
forecasting

- Wind/Solar plants must test Real-time met data transfer during or just after start-up testing, but prior to start of commercial participation
- NYISO Registration team will communicate with the resource if either the NYISO or the forecast vendor has any issues with the data transfer

Forecast vendor
provides NYISO
scheduling software
with Day-ahead and
Real-time power
output forecasts for
each plant

- Plant owners must transfer Real-time met data at least once every 30 seconds 24/7/365
- Forecast vendor will send plant owners hourly met data quality alerts
 - Plant owner must take action to address any data quality issues
- Plant owners can access Day-ahead and Real-time forecasts from the vendor's website using login credentials provided by the vendor
- Plant owners must ensure that the met data feed is maintained throughout their NYISO market participation
- Plant owners will be assessed a IPR Forecasting Charge by NYISO