

Order No. 890-A revised FERC's regulations to require Transmission Providers to post information on the underlying assumptions associated with their daily load forecasts, including weather and economic assumptions.

The NYISO's load forecasting model is a unified system that uses a series of equations, drivers, and historical information specific to each of the eleven LBMP zones in New York. It uses a combination of Advanced Neural Network ("ANN") and regression models to generate its forecasts. The ANN analysis takes a non-linear approach to the estimation of the model's parameters. The regression models are linear models estimated using ordinary least squares.

The load forecasting model uses historical load and weather data information for each of the NYISO's eleven zones to develop zonal load forecast models. These models are then used together with zonal weather forecasts to develop an independent load forecast for each zone. The zonal forecasts are summed to produce a forecast for the New York Control Area ("NYCA") as a whole. The model develops the hourly load forecasts for the current day and the next six days, a total of up to 168 hours. The NYISO reviews and re-estimates its day-ahead forecasting models prior to June of each year to keep them up to date.

The load forecasting model uses proprietary weather data and forecasts from the NYISO's weather information vendor. The hourly weather data provided by the vendor include dry bulb temperature, wind speed, cloud cover, dew point, and wet bulb temperature. The data from the stations is aggregated in a manner that best represents each zone. The NYCA-wide and zonal population and weather-station weighting schemes are set forth in Tables B-2 and B-3 of Attachment B to the NYISO's Day-Ahead Scheduling Manual.

The day-ahead load forecasting model does not currently incorporate economic assumptions or economic forecast data since these variables are virtually constant from one day to the next.

Additional information on the NYISO's load forecasting model is provided in Section 6 and Appendix B of the Day-Ahead Scheduling Manual.

http://www.nyiso.com/public/webdocs/documents/manuals/operations/dayahd_schd_mnl.pdf