

# 2020 Update of Load Forecasting Manual

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**Arthur Maniaci**

Principal Forecaster

**Business Issues Committee**

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# Summary

- **Manual was last updated in September 2013**
- **Primary data sources and methods have remained the same**
  - Schedule for developing ICAP forecast is provided each year by September 1.
  - Transmission owners and other stakeholders submit actual load data, weather-adjusted peaks, and regional load growth factors to the NYISO
  - The NYISO prepares its own estimates and compares.
  - TO results are accepted by NYISO and other stakeholders if they are within acceptance criteria specified in the manual.
- **Revisions were primarily to include methods for accounting for Behind-the-Meter: Net Generation in the Installed Capacity Market Forecast**
  - If a BTM:NG resource does not require power to serve load from the TO at the hour of the NYISO or a Locality peak, then the load of the BTM:NG resource is not included in the actual and weather-adjusted load of the TO.
  - If it does require power from the TO, then that load is deducted from the TO's actual load and weather-adjusted load.
  - The forecast load of a BTM:NG resource is based upon a weather adjustment of its actual loads, a projection of the losses associated with the load, and a growth rate consistent with the growth rate of the Transmission District in which it is located.
- **Reviewed and modified at Load Forecasting Task Force during 2018 and 2019**
- **Presented to ICAP-WG in October 2019 and modified to address stakeholder comments in December 2019**

# Treatment of Behind-the-Meter: Net Generation

- If a BTM:NG resource does not require power to serve load from the TO at the hour of the NYISO or a Locality peak, then the load of the BTM:NG resource is not included in the actual and weather-adjusted load of the TO.
- If it does require power from the TO, then that load is deducted from the TO's actual load and weather adjusted load.
- The forecast load of a BTM:NG resource is based upon a weather adjustment of its actual loads, a projection of the losses associated with the load, and a growth rate consistent with the growth rate of the Transmission District in which it is located.

# Discussion

- Proposed method accounts for specific weather response of each resource, so that its net generation will be properly accounted for.
- Method is consistent with Tariff and ICAP Manual, since it uses top 20 hours of each resource, from within the top 40 NYCA hours.
- Method is consistent with current NYISO Demand Response Operation processes, which allow for a  $(1+WNF)$  factor specific to each resource.

# Our mission, in collaboration with our stakeholders, is to serve the public interest and provide benefit to consumers by:

- Maintaining and enhancing regional reliability
- Operating open, fair and competitive wholesale electricity markets
- Planning the power system for the future
- Providing factual information to policymakers, stakeholders and investors in the power system



# Questions?