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nyiso Stage 1A Installed Capacity Manual

CLEAN

Stage 1A Manual Adopted by ICAPWG and BIC for the 2001
Summer Capability Period.

With Proposed Modifications to allow New Resources to Submit
DMNC Test Data Two (2) Calendar Days Before ISO-
administered Auctions.

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**CLEAN Stage 1A ICAP Manual
Draft Dated April 11 for BIC Consideration**

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4.0 Installed Capacity Requirements Applicable to Installed Capacity Suppliers

4.2 DMNC Test Procedures (Section 5.12.8 ISO Services Tariff)

Potential Installed Capacity Suppliers must perform DMNC tests in accordance with the procedures described below (unless exempt in accordance with the provisions of Section 4.10 of this Manual), and provide the ISO with the required documentation of those tests. Alternatively, potential Installed Capacity Suppliers, with the exception of new Resources, may use historical production data for the immediately preceding like Capability Period, no more than twelve months old, in lieu of DMNC test data.

Installed Capacity Suppliers offering to supply Installed Capacity as a System Resource must submit DMNC test data, or historical production data, for each Generator that it seeks to aggregate.

Interruptible Load Resources must provide evidence of a one hour disconnection period less than one year old.

Beginning with the Winter 2000-2001 Capability Period, final DMNC Test results (see Attachment D) must be transmitted to the ISO not later than sixty days following the end of the test period.

4.2.1 DMNC Test Periods

The DMNC Test Period for the Summer Capability Period is June 1 through September 15 and for the Winter Capability Period is November 1 through April 15.

New Resources may qualify as Installed Capacity Suppliers at any time during a Capability Year based on the results of an appropriate demonstration test, production data, or Special Case Resource certification. New generating Resources must temperature-adjust the results of the appropriate demonstration test or production data, using the procedures noted in Attachment D to this Manual.

To qualify as Installed Capacity Suppliers in any Installed Capacity auction administered by the ISO, new Resources shall submit to the ISO the results of an appropriate demonstration test, production data or Special Case Resource certification prescribed by this Manual by 5:00 PM at least two (2) calendar days before the administration of the

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relevant auction provided, however, that Resources shall submit such results by 5:00 PM on the Friday immediately preceding an auction when such auction is scheduled on a Monday. For example, if the ISO administers the auction on a Thursday, new Resources shall submit appropriate demonstration test, production data or Special Case Resource certification by 5:00 PM on the Tuesday preceding the auction. If the ISO administers an auction on Monday, new Resources shall submit such results by 5:00 PM on the Friday preceding the auction.

In addition to the submission of the results of an appropriate demonstration test or production data required by the previous paragraph, new Resources that want to participate in ISO-administered auctions shall submit to the ISO a notification letter if they do not already have and will require a point ID to participating in the ISO market. This notification letter shall be in a form and substance substantially similar to the form included in Attachment D to this Manual. The notification letter shall state the intention of the Resource to seek qualification as an Installed Capacity Supplier, and include the Resource's name, location, and other information as the ISO may reasonably request. This letter does not oblige a Resource to qualify as an ICAP Supplier; it allows the ISO to prepare and be able to accommodate a Resource should that Resource request qualification and submit appropriate demonstration test or production data shortly before an auction. A Resource shall submit the notification letter to the ISO by the first business day of the month in which it wishes to qualify as an Installed Capacity Supplier.

Notwithstanding the previous two (2) paragraphs, new Resources shall be authorized to submit results of an appropriate demonstration test, production data or Special Case Resource certification until 5:00 PM on April 23, 2001 to participate in the April 24, 2001 Deficiency Procurement Auction. Further, new Resources that intend to participate in the April 24, 2001 Deficiency Procurement Auction shall be authorized to submit their notification letter as required in the previous paragraph until 5:00 PM on April 17, 2001.

To qualify Installed Capacity for a Bilateral Transaction or for a self-supplying LSE, new Resources shall submit to the ISO the results of an appropriate demonstration test, production data or Special Case Resource certification prescribed by this Manual by 5:00 PM at least two (2) calendar days before the day LSEs must certify that they have procured sufficient Installed Capacity for the following Obligation Procurement Period (in this paragraph, the "Certification Day") provided, however, that Resources shall submit the results of an appropriate demonstration test, production data or Special Case Resource certification prescribed by this Manual by 5:00 PM on the Friday immediately preceding the Certification Day when such Certification Day is a Monday. For example, if the Certification Day is a Thursday, new Resources shall submit appropriate demonstration test, production data or Special Case Resource certification results by 5:00 PM on the Tuesday preceding the Certification Day. If the Certification Day is a Monday, new Resources shall submit such results by 5:00 PM on the Friday preceding the Certification Day.

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Existing Resources that have increased Capacity due to changes in their generating equipment may demonstrate the DMNC of the incremental Capacity for and within a Capability Period by following the procedures described above for new Generators.

The ISO shall inform each potential Installed Capacity Supplier that is required to submit DMNC data of ISO-documented DMNC ratings for the Summer Capability Period in February, and for the Winter Capability Period in August (See Attachment A).

Attachment D: Dependable Maximum Net Generating Capability Audit Forms and the Procedure to Weather Adjust DMNC Test Data

The following forms are included in this attachment:

- Steam Generation
- Hydro Generation
- Internal Combustion and Combustion Turbine Generation
- Combined Cycle Generation
- Other

Procedure to Weather Adjust DMNC Test Data

All DMNC tests on internal combustion, combustion units and combined cycles units must be temperature adjusted. The temperature to be used for the temperature adjustment is the average ambient and cooling system temperature at the generator location experienced at the time of the TD peak during the previous four relevant Capability Periods. The dates and times of the TD peak in each Capability Period will be posted on the ISO website.

- Determine the weather adjusted DMNC rating for the generator using the manufacturer's provided temperature adjustment curves and generator specific curves (if applicable) produced from historical experience.
- Provide both sets of ratings and temperature adjustment curves.
- The higher of the two values may be claimed. The ISO may lower the value claimed for the weather-adjusted DMNC, if the provided temperature adjustment curves are significantly different.

Submission of DMNC Test Data

DMNC test data should be submitted to the address listed below. Data should be submitted in accordance with Attachment A and Section 4.2 of the Installed Capacity Manual.

Manager Resource Adequacy
C/o New York Independent System Operator
290 Washington Ave. Ext.
Albany, NY 12203

NEW YORK ISO
DEPENDABLE MAXIMUM NET GENERATING CAPABILITY AUDIT
Fossil or Nuclear Steam Generation

Sheet _____
Date _____

Company _____

| Generator or Station | Date of Test | DEPENDABLE MAXIMUM NET CAPABILITY (MW) | | | | | | Pre-Test DMNC Rating* | Post-Test DMNC Rating | Difference (Post-Pre) | Test | | | Remarks |
|----------------------|--------------|--|---|---|---|---------|---|-----------------------|-----------------------|-----------------------|------|---|--|---------|
| | | Demonstrated | | | | Average | A | | | | B | C | | |
| | | Hourly | | | | | | | | | | | | |
| | | 1 | 2 | 3 | 4 | | | | | | | | | |
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- A. Over Pressure
- B. Top Feed Water Heater OS
- C. Exceptions to Procedure Explained in Remarks Section
- * From Last Like Capability Period

NEW YORK ISO

**FORM OF
NOTIFICATION OF INTENT TO SEEK QUALIFICATION AS ICAP SUPPLIER**

TO: Manager Resource Adequacy
C/o New York Independent System Operator
290 Washington Ave. Ext.
Albany, NY 12203

In accordance with Section 4.2.1 of the Installed Capacity Manual, this letter notifies the New York ISO that _____ [Name of the ISO Customer Signatory of the ISO Services Tariff] intends to qualify _____ [Name of the Resource] to supply Installed Capacity to the NYCA for the _____ [Type of Auction] scheduled for _____, _____ [Date of Auction].

The Resource is located at:

_____ [Address]

The contact person for the Resource is:

_____ [Name]
_____ [Title]
_____ [ISO Customer]
_____ [Address]

_____ [email]
_____ [phone number]

This notification does not oblige the ISO Customer and the Resource to qualify as Installed Capacity Supplier.

_____ [Signature]
_____ [Name]
_____ [Title]
_____ [Date]