



Manual 12

Transmission and Dispatch Operations Manual

Issued: March 2021

11. Full Load Fuel Oil Test

Scheduling criteria – The following process will apply to the scheduling of these tests:

- a. Test schedules will be submitted three days in advance including an estimate of the expected test hours for the selected pseudo-unit per Section A-2 above.
- b. When DAM schedules for the day following the test are received by the CC unit owner/operator (by 11:00 of the test day) the test will either be feasible or not based upon the unit minimum down time and the following day's schedule.
 - i. If the test is feasible and will be conducted, the CC unit owner/operator will, as described in Section A-3 above, notify the NYISO through the Transmission Owner that the test is confirmed and the planned actual hours in which it will be conducted. Following the procedures described in Section A-3 the CC unit owner/operator will also bid into the RT market (HAM) in "Self-Scheduled Fixed Mode" their best estimate of unit output in 15 minute increments over the test period and will also follow all other procedures described in section A-3 above.
 - ii. If the Day Ahead schedules will not permit sufficient downtime to run the test as scheduled, the CC unit owner/operator will follow the test cancellation procedures described in Section A-3 above and reschedule the test per section A-1 above for a subsequent day.

Test Periodicity – 1/month/Combustion Turbine

Qualifying test duration – 3 hours

12. Control System Performance Testing

DAM scheduling criteria – No special operating levels defined.

Test Periodicity – as needed

Qualifying test duration – up to 16 hours

6.7.9. Supplemental Commitment Process

The NYISO may use the SRE process to commit additional resources outside of the SCUC and

RTC processes to meet NYISO reliability or local reliability requirements. Transmission Owners (TOs) may request the commitment of additional generators to ensure local reliability in accordance with the

local reliability rules. The NYISO will use SREs to fill these requests by TOs. In addition, Generator Owners may request the operation of a specific steam unit if certain combustion turbines have an energy or a non-synchronous reserve schedule that necessitates operation of the steam unit due to 24-hour NO_x Averaging Period requirements.

When the NYISO requests that generators submit bids in response to an SRE, ICAP suppliers must offer their available capacity unless an offer is pending in the Real Time market when the SRE request is made or the unit is unable to run due to an outage, operational issues or temperature derates. Special Case Resources are not required to respond to SRE requests by section 5.12.1 of the

Market Services Tariff. However, the NYISO may request SCR and EDRP resources to respond to SRE requests on a voluntary basis.

Since SREs are only performed to address reliability concerns, it is intended that units committed by the SRE process fulfill their obligation by physically operating.

A TO may utilize the SRE process for Resources engaged in Dual Participation that are not economically scheduled by the NYISO for a local system need.

NYISO Requests for SREs

The NYISO may perform SREs in response to the following two conditions:

1. When Day-Ahead reliability criteria violations are forecast after SCUC has begun or completed its Day-Ahead evaluation (i.e.: too late for additional day-ahead commitments).
2. When In-Day reliability criteria violations are anticipated more than 75 minutes ahead (i.e.: too early for RTC commit additional resources).

Transmission Owner Requests for SREs

TOs may request the NYISO to issue an SRE to commit additional resources for reliability purposes in a local area. TO requests for SREs are subject to the same conditions and the same time frame as the NYISO's use of the SRE process – after SCUC has run. Any requests by TOs to commit generators not otherwise committed by the NYISO in the Day-Ahead Market will be posted to the OASIS.

When requesting an SRE, TOs must give the NYISO the reliability reason for the request, the expected duration of the SRE, and the specific facility or constraint affected. NYISO dispatchers will log all such TO requests for SREs. Within 5 business days the TO requesting the SRE commitment shall provide detailed written justification for the SRE to SREinfo@nyiso.com. The NYISO will review all SRE requests to ensure that practices being followed are consistent with NYISO tariffs and NYS Reliability Rules.

The TOs written justification must detail the system conditions that resulted in the need for the SRE

commitment such that the NYISO can independently verify the request. The following system conditions should be identified when applicable: TO local area or regional load levels; identification of thermal transmission facility or substation voltage constraint, identification of whether the constraint represents a predicted actual or post-contingency violation; identification of significant transmission or generating unit outages affecting such constraint; and identification of special local reliability criteria. Other local area system conditions that resulted in the need for the SRE commitment should also be identified.

Generator Owner Requests for SREs

If certain combustion turbines have an energy or a non-synchronous reserve schedule that necessitates the operation of a specific steam unit operated by the turbine owner due to 24-hour NO_x Averaging Period requirements, the NYISO may commit the steam unit if the generator owner takes the following actions:

- The generator owner shall notify the NYISO and the TO of this operational requirement. The generator owner must notify the NYISO via the TO after the DAM posts, but no later than Hour Beginning (HB) 14 of the day prior to the operating day. In addition, throughout the operating day, the generator owner must communicate to the NYISO via the TO any changes in run-time limitations that may result from the combustion turbine's actual energy schedule or availability.
- The generator owner may request of the NYISO and inform the TO that a specific steam unit be operated, as required, to satisfy the NO_x averaging requirements for the selected combustion turbine's energy or non-synchronous reserve DAM schedule given the 24-hour NO_x Averaging Period requirements for the operating day. The generator owner request should identify the steam unit, the required additional hours of operation, and the specific generation levels necessary to meet the 24-hour NO_x Averaging Period requirement.

If the combustion turbines are not required for either NYISO or local TO reliability, and the associated steam units are not committed in the DAM, then the NYISO will mark the combustion turbines as unavailable in the generation outage scheduler, such that they are not committed in real-time operation. The combustion turbines will be identified as Energy Limited Resources (ELR), since the generator owner will be unable to fulfill the DAM energy or non-synchronous reserve schedule as determined by the NYISO. Combustion turbines subject to the 24-hour NO_x Averaging Period requirement must be registered as Energy Limited Resources.

6.7.10. Supplemental Resource Evaluation Procedures

SRE commitment refers to the NYISO scheduling a generator to start-up to run at, or above, its minimum generation level. SCUC commits resources for the next day, and RTC can commit resources in the Dispatch Day. RTC begins with SCUC Day-Ahead generator and load schedules, non-expired/non-