

# Verification Testing of Resource Capacity PRR 104

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# ***Verification Testing of Resource Capacity***

- ◆ It has been requested by several Generator Owners that the Leading Reactive Power Testing for VSS be revised
  - *Proposed change would require this test once every three years*
  - *Advantages to changing the test frequency*
    - Provides flexibility for NYISO and Transmission Owner system operators in scheduling the tests
    - Reduces system resources needed for annual testing.
  - *Potential disadvantages*
    - Reduced data available on generators participating in VSS

# **Verification Testing of Resource Capacity**

- ◆ Changes to test frequency would require changes to the Ancillary Services Manual and the NYSRC Requirement C-R1 Verification Testing of Resource Capacity
  - *Ancillary Services Manual changes are under review by NYISO Committees*
  - *NYSRC Reliability Rule C-R1 Measurement C-M3 requires that generators which are voltage support ancillary service providers shall annually verify the reactive power capacity of their generators and report test results*

# **Verification Testing of Resource Capacity**

## **◆ Current Wording for NYSRC C-M3**

- *Generation equipment owners shall annually perform tests for all generators that are voltage support ancillary service providers to verify the reactive power capacity of their generators and report test results to the NYISO, in accordance with NYISO procedures and schedules as required in Measurement C-M1. (C-R1)*

## **◆ Proposed Wording for NYSRC C-M3**

- *Generation equipment owners shall annually perform Lagging Reactive Power tests for all generators that are voltage support ancillary service providers to verify the reactive power capacity of their generators. Generation equipment owners shall perform Leading Reactive Power tests once every three calendar years for all generators that are voltage support ancillary service providers to verify the reactive power capacity of their generators. Test results must be reported to the NYISO, in accordance with NYISO procedures and schedules as required in Measurement C-M1. (C-R1)*

# ***Schedule***

- ◆ Change reviewed in NYISO Committee Meetings
  - *SOAS March 23, 2010*
  - *MIWG April 19, 2010*
- ◆ Reviewed and Voted Upon
  - *BIC May 5, 2010*
  - *OC May 6, 2010*

The New York Independent System Operator (NYISO) is a not-for-profit corporation that began operations in 1999. The NYISO operates New York's bulk electricity grid, administers the state's wholesale electricity markets, and provides comprehensive reliability planning for the state's bulk electricity system.

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