

# VSS Test Validation

**Brad Garrison**  
*Engineer, Auxiliary Market Operations*  
**New York Independent System Operator**

*Market Issues Working Group*  
*February 17<sup>th</sup>, 2012*

# Issues at January MIWG

- ◆ At the January MIWG several Generator Owners expressed concerns over the recent changes to VSS testing regulations found in Section 3 of the Ancillary Services Manual
- ◆ The NYISO has reviewed the concerns of the Generator Owners and has returned to MIWG as requested to discuss possible solutions to the issues that were raised

# VSS Supplier and VSS Testing Requirements

- ◆ Beginning with the Summer 2012 Capability Period, VSS suppliers that do not make adequate metering data available to the NYISO will be disqualified as VSS suppliers
  - *Adequate metering data must be transmitted to the NYISO through existing Transmission Owner communication equipment or real time Generator Owner data via direct communications to the NYISO*

# VSS Testing Data

- ◆ Real time data is used for independent verification of VSS tests and verification of compliance with VSS events
  - *Independent verification is necessary since approved test levels are the basis of VSS payments*
  - *It is also necessary to have accurate metering during VSS events*
    - Real time data is used for means of verification for other NYISO Generator testing

# VSS Verification for 2012

- ◆ VSS Tests will continue to be verified by metering data sent to the NYISO in real time either through direct Transmission Owner or direct Generator Owner communication
- ◆ Improvements made in the NYISO's VSS test verification and approval process
  - *Internal procedures changed to accelerate Generator Owner notification of VSS test problems and notification of approved VSS test levels*
    - This will allow more opportunity for Generators to retest if needed
  - *NYISO upgrades continuing to allow for MLPS connections from Generator Owner*

# Considerations for VSS Testing

- ◆ Prior to a VSS Test Generator Owners can call the VSS Engineer to confirm the NYISO is receiving Generator meter telemetry
- ◆ Identical Treatment Generators that test lagging capability at a different time from leading capability ensure optimum conditions for accurate metering of a test
- ◆ Establish a direct connection from a Generator's gross meters to the NYISO as a backup to Transmission Owner meter communication equipment

# Possible Change to ASM

- ◆ NYISO willing to discuss possible changes to the Ancillary Services Manual section 3.6.1 to allow for an “extraordinary circumstances” review
- ◆ “Beginning with the Summer 2012 Capability Period, VSS suppliers that do not make adequate metering data available **for** the NYISO through existing Transmission Owner communication equipment as required during the Capability Year will be disqualified as VSS suppliers. If Transmission Owner communication equipment is down during the test the NYISO will accept real time Generator Owner data via direct communications to the NYISO. **In the event of an extraordinary circumstance, where there is a failure of both the Transmission Owner and Generator Owner communication equipment, the NYISO will allow, within 30-days of Generator Owner receipt of the test results, for a one-time remote link to be established from the NYISO to the Generator Owner data for the purposes of verifying that VSS test.”**



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.

---

***[www.nyiso.com](http://www.nyiso.com)***