

Leading Reactive Power Tests - I.1 R4: Verification Testing of Resource Capacity

1.) Does the NYISO track Leading Reactive Power Tests from the GOs?

As per the NYISO Ancillary Services Manual Section 3 Subsection 3.6.1 “At least once each calendar year each Resource providing Voltage Support Service must test or demonstrate Lagging and Leading Reactive Capability” unless granted an exception under the conditions mentioned in Ancillary Services Manual Section 3 Subsection 3.6.6. Due to this requirement, each GO performs a leading (performed between Jan 1 and Oct 31 inclusive) and lagging (performed between May 1 and Oct 31 inclusive) reactive power test and electronically submits the test results on the Voltage Support Test Data System (VSTDS). The VSTDS contains the list of all the qualifying generators that are eligible for providing VSS. This list contains all the test data submitted by the GO’s and is the best place to track the GO’s who have performed a leading(as well as lagging) reactive power test for a particular capability period.

2.) How does the NYISO track these tests?

The VSTDS has a complete list of VSS eligible generators. It also allows the NYISO to view historical data 2 years prior to the current capability year. For example, in 2017, it is possible to see test data submissions GO’s for capability year 2016 and 2015.

3.) What system is used? Does the NYISO know who has and hasn’t tested?

VSTDS allows tracking of the test data submissions of all the VSS eligible generators and it can be easily pointed out which GO has tested their generators and who hasn’t.