

03/27/2006

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Subject: Voltage Support Service – Request for Qualification for Facilities Located Within the New York Control Area

All synchronous generators and synchronous condensers located within the NYCA, and operating under the operational control of the NYISO, may participate in the NYISO Voltage Support Service Ancillary Service. This Technical Bulletin describes the process that a Market Participant must follow to qualify a synchronous generator or synchronous condenser to provide Voltage Support Service, and receive compensation under Rate Schedule 2 of the NYISO Services Tariff.

Details:

The New York Independent System Operator (NYISO) coordinates and administers the market for Ancillary Services, which includes Voltage Support Services. In order to maintain transmission voltages within acceptable limits, Voltage Support Service must be provided by generation facilities that are located electrically within the New York Control Area, and under the operational control of the NYISO, to produce or absorb reactive power.

Qualification Process

In order to qualify to receive payments as a Voltage Support Service Supplier the candidate Supplier (including previously dis-qualified VSS Suppliers that must re-qualify) must complete the VSS Qualification Form (Attachment A of this document), including the statement of intent to participate in the Voltage Support Services Market, and attach:

- Documentation that the synchronous generator or synchronous condenser has an automatic voltage regulator (AVR). This documentation shall include the voltage regulator block diagram and associated data, the manufacturer’s model number and specifications, and a generator reactive capability data sheet (“D-curve”); and
- Documentation that the synchronous generator or synchronous condenser has completed the reactive power (MVAR) capability testing in accordance with established testing requirements, Section 3.5 of the NYISO Ancillary Services Manual and Technical Bulletin # 91, A printed copy of the completed NYISO Reactive Capability Test Report form should be attached.

The candidate VSS Supplier must complete and return the **Voltage Support Service Suppliers Qualification Form** (Attachment A) and supporting data to:

Manager, Grid Accounting
 New York Independent System Operator, Inc.
10 Krey Boulevard
Rensselaer, NY 12144

Note: The original application form must be completed by a representative of the Supplier and signed by a Vice-President (or equivalent) of the corporation.

Deleted: ¶ Voltage Support Services are provided by qualified suppliers, and are reimbursed by the NYISO in accordance with Rate Schedule 2 of the NYISO Services Tariff. The capacity-based component of the payment made to qualified Voltage Support Service providers differs for those who provide Installed Capacity and those who do not.¶

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The purpose of this “Technical Bulletin” is to facilitate participation in the NYISO by communicating various NYISO concepts, techniques, and processes to Market Participants before they can be formally documented in a NYISO manual. The information contained in this bulletin is subject to change as a result of a revision to the ISO Tariffs or a subsequent filed tariff with the FERC.

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Allowance for Out-of-period Reactive Capability Testing

There are three (3) conditions where NYISO will provisionally accept testing for Voltage Support Service when that test is not conducted within the specified Summer Capability Period:

- A new resource entering commercial operation, or
- An existing provider's resource returning to service from an extended forced outage, or
- An existing resource becoming eligible to qualify as a VSS supplier.

These conditions are described in detail in Section 3.5.4 (Allowance for Out-of-period Reactive Capability Testing) of the NYISO Ancillary Services Manual.

Follow-up Testing Requirement

For any of the above conditions, the following conditions and requirements apply:

The NYISO will accept the demonstrated lagging MVAr capability as the basis for compensation on a provisional basis until the beginning of the next Summer Capability Period.

To continue qualification to receive VSS payments the resource is required to perform a complete annual test within thirty (30) days of the start of the Summer Capability Period, and forward the completed test report, in electronic form, to NYISO within five (5) business days of the completion of that test. This "in period" test will also qualify the resource for continued participation in the VSS in the next compensation year.

VSS Payment Schedule

Payments to Voltage Support Service ~~Suppliers~~ are made in accordance with rules and procedures established in the NYISO Market Services Tariff, Rate Schedule No. 2, and the NYISO Ancillary Services Manual.

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For VSS Suppliers, that are electrically located outside the NYCA, qualifications for Voltage Support Service will be subject to additional criteria established by the NYISO.

Contact NYISO Market Relations (518-356-6060) with any questions concerning the request for qualification to provide Voltage Support Service.

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Attachment A

Voltage Support Services

Qualifications Request Form

_____ Attached to this form is documentation that demonstrates that the resource(s) listed below have an Automatic Voltage Regulator (AVR).

_____ Attached to this form is a completed NYISO Reactive Power Capability Test Report documenting that the resource(s) listed below have successfully performed Reactive Power capability testing during current calendar year.

The resource(s) listed below will participate in Voltage Support Ancillary Service under the direction of the NYISO and agree to comply with all applicable rules and procedures associated with NYISO voltage and reactive power control.

Resource	<i>Type (Generator or Synch. Cond.)</i>	<i>Location</i>	<i>NYISO ICAP Contract</i>	<i>NYISO MIS PTID</i>	<i>Generator MW Capability</i>

Market Participant Information:

Officer's Signature Date

NYISO Approval:

Approved by Date

Manager, Grid Accounting and Settlements