

Inverter-Based Technology Providing Ancillary Services – Tariff and Manual Revisions

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Overview

- **Background**
- **Tariff Revisions**
- **Manual Updates/Revisions**
- **Next Steps**

Background

Background

- The NYISO requested clarification from the NPCC as to whether inverter technology-based energy storage resources can provide synchronized reserve.
- The NPCC answered that “[...] a storage resource with inverter technology complies with the original intent of the synchronized reserve requirement and therefore shall qualify towards a BA’s complement of synchronized reserves.”
- On January 17, 2017 the NYISO presented to MIWG proposed changes to the Ancillary Services Manual to reflect the clarification received from the NPCC.

Background (Cont.)

- Stakeholders provided feedback on the wording of the proposed changes.
- The NYISO has captured the feedback in the updated proposal that is being presented today.
- Similarly, the NYISO is proposing Tariff revisions to fully capture the NPCC clarification received.

Updates/Revisions

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Tariff Revisions

- **Operating Reserves** – Updated definition in OATT Sec. 1.15 and MST Sec. 2.15 to allow Generators and Demand Side Resources that utilize inverter-based energy storage technology, and that are otherwise eligible, to provide Spinning Reserves.
- **MST Section 15.4.1.2.1 - Spinning Reserve** (Section 15.4 Rate Schedule 4 – Payments for Supplying Operating Reserves): Updated to explicitly permit Suppliers utilizing inverter-based energy storage technology to provide Spinning Reserve.
- **OATT Section 1.12** – Included definition of “Local Generator” referencing the MST definition in MST Section 2.12.

Ancillary Services Manual - Updates

- **Sections 6.1 and 6.2.2** – Updated to permit Generators and Demand Side Resources utilizing inverter-based energy storage technology to provide Spinning Reserve.
- **Sections 6.2.3.4 and 6.2.3.5** – Updated to permit Demand Side Resources utilizing inverter-based energy storage technology to provide Spinning Reserve.

Ancillary Services Manual - Revisions

- **Global** – Ministerial housekeeping updates of acronyms, names and formatting.
- **Section 3.6.1** – Corrected the description of metering data flow process, which is not transmitted “from” the NYISO, but “to” the NYISO.
- **Section 4.2** – Removed requirement for Regulation providers’ bidding parameters that was already included in the same section.
- **Section 6.1** – Removed the description of resources providing Total 30-Minute Reserve, as it had been already included for the corresponding sub-categories.

Next Steps

- The NYISO intends to bring the proposed changes to the Operating Committee and Management Committee for action in October 2017.

Feedback

- The NYISO seeks feedback on the materials presented today
- Email additional feedback to: Daniel F. Noriega
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Questions?

We are here to help. Let us know if we can add anything.

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- Operating open, fair and competitive wholesale electricity markets
- Planning the power system for the future
- Providing factual information to policy makers, stakeholders and investors in the power system



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