

Dual Participation - Manuals Updates

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Agenda

- Background
- Overview
- Emergency Operations Manual
- Day Ahead Scheduling Manual
- Transmission & Dispatch Operations Manual
- Ancillary Services Manual
- ICAP Manual
- Next Steps

Background – Dual Participation

Date	Working Group	Discussion points and links to materials
2/29/2020	ICAPWG/MIWG/PRLWG	DER Important Dates and Schedule
4/24/2018	MC	DER Energy & Capacity Market Design (Refer to slides 28-29)
4/23/2019	MC	Dual Participation – Additional Clarifications
4/17/2019	BIC	DER Energy & Capacity Market Design (Refer to slides 45-47; 92-96)
2/28/2019	MIWG	DER Energy Market Design: Dual Participation

Overview – Dual Participation

- **The NYISO’s market rules will allow resources that provide Wholesale Market services to also provide services to another entity (e.g., the utility or a host facility) beginning May 1, 2020**
- **The Dual Participation rules will apply to all Resources**
- **Resources engaged in Dual Participation will be required to:**
 - Comply with all NYISO market rules for the services offered to the wholesale market
 - Appropriately offer into the wholesale markets to reflect any non-wholesale (e.g., retail) obligations

Emergency Operations Manual

Updates – Emergency Operations Manual

- **Ministerial edits to Table of Contents & hyperlinks throughout**
- **Section 1.2.2. Operating Objectives**
 - Addition: “The ISO and Transmission Owners shall coordinate scheduling and dispatch for all Generators, Demand Side Resources, and Distributed Energy Resources engaged in Dual Participation giving priority to minimizing the magnitude of reliability impacts and to resolving actual impacts over predicted impacts. The ISO has the final authority to determine schedules for resources engaged in Dual Participation.”

Day Ahead Scheduling Manual

Revisions – Day Ahead Scheduling Manual

■ Section 3.1 Bid/Post Functions

- Addition: “Resources engaged in Dual Participation that submit Bids in the Day-Ahead Market to meet an obligation(s) to a distribution utility or other entity must follow all applicable NYISO bidding and scheduling requirements (see, e.g., Market Participant User’s Guide Sec.[*to be identified when published]).”

Transmission & Dispatch Operations Manual

Updates – Transmission & Dispatch Operations Manual

- Ministerial edits to hyperlinks throughout
- **Section 2.1.2 NYISO Objective**
 - Addition: “The ISO and Transmission Owners shall coordinate scheduling and dispatch for all Generators, Demand Side Resources, and Distributed Energy Resources engaged in Dual Participation giving priority to minimizing the magnitude of reliability impacts and to resolving actual impacts over predicted impacts. The ISO has the final authority to determine schedules for resources engaged in Dual Participation.”

Updates – Transmission & Dispatch Operations Manual

- **Section 2.2.5. NYISO Responsibilities and Authorities**
 - Addition: “Coordinate the scheduling and dispatch of dual participating resources with TOs”
- **Section 2.4. Market Operations Timeline**
 - Ministerial spelling correction: “Corrective Action Mode”
- **Section 4.2.2. Voltage Control**
 - Addition: “NYISO and applicable TO shall coordinate to ensure dual participating resources are available to provide emergency services if applicable”

Updates – Transmission & Dispatch Operations Manual

■ *Unrelated to Dual Participation*

- Section 4.2.11. Solar Magnetic Disturbances
 - NYISO Actions – Level K6 Warning or Alert and Level K7 or Above Warning or Alert
 - Removal: “TOs will notify generators within their areas”
 - Transmission Owner Actions
 - Addition: “Notify generators within their areas that have a high-side wye grounded winding with terminal voltage greater than 200kV”

Updates – Transmission & Dispatch Operations Manual

- Section 4.2.12. Status of Transmission and Generation Protection Systems
 - Coordination
 - Addition: “*Coordination*. Coordinate protection systems and changes in generation, transmission, load, or operating conditions that could require changes in the protection systems of others. This coordination shall take place between the affected facility owners, including dual participating resources.”

Updates – Transmission & Dispatch Operations Manual

■ Section 6.1.1. Real-Time Commitment Process

- Real-Time Bids to Supply Energy and Ancillary Services
 - Addition:
 - Language to define obligations outside the NYISO-administered markets
 - Language to define how routine load changes and demand side charge management will not need to be bid in under Dual Participation
- Self-Commitment Requests
 - Addition: “Self-Committed Flexible Resources, including Resources engaged in Dual Participation, must provide the NYISO with schedules of their expected minimum operating points in quarter hour increments.”

Updates – Transmission & Dispatch Operations Manual

■ Section 6.7.4. Out-of-Merit Generation

- Transmission Owner Requests for Out-of-Merit Generation
 - Addition: “A TO may request an OOM for Resources engaged in Dual Participation that are not economically scheduled by the NYISO for a local system need.”

■ Section 6.7.9. Supplemental Commitment Process

- Addition: “A TO may utilize the SRE process for Resources engaged in Dual Participation that are not economically scheduled by the NYISO for a local system need.”

Ancillary Services Manual

Revisions – Ancillary Services Manual

■ Section 3.3. Responsibilities for Service

- Addition: “Resources engaged in Dual Participation and providing VSS must meet all requirements identified in the NYISO Market Services Tariff and this Ancillary Services Manual.”

■ Section 3.7.2. Voltage Support Availability

- Addition: “The supplier is obligated to provide timely notification of any operational restrictions that may limit the voltage support capability, including, for suppliers engaged in Dual Participation, any limitations caused by the services provided by the supplier to the distribution utility or other entity.”

Revisions – Ancillary Services Manual

■ Section 4.4. Performance Tracking

- Addition: “Regulation Service Resources, including Resources engaged in Dual Participation, are required to change their output level at a rate consistent with the amount of Regulation Service each resource has been scheduled to provide.”

■ Section 6.2.3. Other Supplier Requirements

- Addition: “For Suppliers engaged in Dual Participation, the total Energy and Operating Reserves that can be provided shall account for the Supplier’s obligation(s) to the distribution or other entity.”

Revisions – Ancillary Services Manual

■ Section 6.3.1. Bidding and Bid Selection

- Addition: “Availability Bids submitted for Resources engaged in Dual Participation shall reflect the capability available to the wholesale market, accounting for any obligation(s) to a distribution utility or other entity.”

■ Section 6.3.3. Responsibilities of Suppliers Scheduled to Provide Operating Reserves in the Day-Ahead Market

- Addition to include Suppliers engaged in Dual Participation

ICAP Manual

Revisions – ICAP Manual

- **Section 4.1.2 Added to describe requirements pertaining to Resources engaged in Dual Participation:**
 - Capacity market participation details
 - Market entry/exit obligations

Next Steps

- **Emergency Operations Manual**
 - April 9, 2020 – CDAS, SOAS
 - April 8, 2020 – BIC
 - April 16, 2020 – OC
- **Day Ahead Scheduling Manual**
 - April 8, 2020 –BIC
- **Transmission & Dispatch Operations Manual**
 - April 9, 2020 – CDAS, SOAS
 - April 8, 2020 – BIC
 - April 16, 2020 – OC
- **Ancillary Services Manual**
 - April 9, 2020 – CDAS, SOAS
 - April 8, 2020 – BIC
 - April 16, 2020 – OC
- **ICAP Manual**
 - April 8, 2020 – BIC

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- Maintaining and enhancing regional reliability
- Operating open, fair and competitive wholesale electricity markets
- Planning the power system for the future
- Providing factual information to policymakers, stakeholders and investors in the power system



Questions?