

# NYISO Manual Revisions

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**Business Issues Committee**

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# Agenda

- Background
- Ancillary Services Manual
- Day-Ahead Scheduling Manual
- Transmission and Dispatch Operations Manual
- Next Steps

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# Background

# Zone J Operating Reserves

- **On April 26, 2019, following NYISO Board of Directors and stakeholder approval, the NYISO filed a proposal with FERC to establish a new NYC reserve region.**
  - The NYISO proposes to procure 500 MW of 10-minute reserves and 1,000 MW of 30-minute reserves in Zone J, consistent with NYSRC reliability rules for NYCA reliability.
  - The NYISO proposes to establish operating reserve demand curves that assign a \$25/MWh value to the proposed reserve requirements for Zone J.
  - Pending FERC approval, the NYISO proposes to implement the new Zone J reserve requirements in late June 2019.
- **Implementation of the Zone J reserve region requires revisions to several manuals.**
  - Affected Manuals: Ancillary Services, Day-Ahead Scheduling, and Transmission and Dispatch Operations<sup>1</sup>
- **Certain additional revisions unrelated to the Zone J reserve requirements are also being proposed within the affected manuals.**

1. Following implementation of the Zone J reserve requirements, the NYISO will also update the locational reserve requirements posting, located at: [https://www.nyiso.com/documents/20142/3694424/nyiso\\_locational\\_reserve\\_reqmts.pdf/ab6e7fb9-0d5b-a565-bf3e-a3af59004672](https://www.nyiso.com/documents/20142/3694424/nyiso_locational_reserve_reqmts.pdf/ab6e7fb9-0d5b-a565-bf3e-a3af59004672).

# Voltage Support and Automatic Fuel Swap Testing

- Revisions related to testing and eligibility for voltage support service are also being proposed.
  - Section 3 of the Ancillary Services Manual
- The NYISO also proposes clarifying revisions to the procedures and reporting for the automatic fuel swap testing requirements applicable to certain generators in NYC.
  - Section 8 of the Ancillary Services Manual

# Ancillary Services Demand Curve Values

# Ancillary Service Demand Curves

- The Ancillary Services demand curve values are presented in an identical table in each of the three affected manuals.
- This table will be uniformly updated in each manual to reflect the new reserve region.
  - Ancillary Services Manual: Section 6.8.2
  - Day-Ahead Scheduling Manual: Section 4.3.4
  - Transmission and Dispatch Operations Manual: Section 7.3.6

New York Region	Type	Demand Curve Amount (MW)	Demand Curve Price (\$)
NYCA	Regulation	25.0	\$25.00
		80.0	\$525.00
		remainder	\$775.00
	Spinning Reserve	All	\$775.00
	10 Minute Reserve	All	\$750.00
Eastern New York (EAST)	30 Minute Reserve	300.0	\$25.00
		655.0	\$100.00
		955.0	\$200.00
	remainder	\$750.00	
Southeastern New York (SENY)	Spinning Reserve	All	\$25.00
	10 Minute Reserve	All	\$775.00
	30 Minute Reserve	All	\$25.00
New York City (NYC)	Spinning Reserve	All	\$25.00
	10 Minute Reserve	All	\$25.00
	30 Minute Reserve	All	\$500.00
Long Island (LI)	Spinning Reserve	All	\$25.00
	10 Minute Reserve	All	\$25.00
	30 Minute Reserve	All	\$25.00

# Ancillary Services Manual



# Proposed Revisions: Zone J Operating Reserve Requirements

- **Section 6.2: General Responsibilities and Requirements**
  - 6.2: Add reference to Zone J reserve requirements
- **Section 6.5: Operating Reserve Settlements – General Rules**
  - 6.5.1 and 6.5.3: Add reference to Zone J reserve requirements and update numerical references to reflect Zone J reserve requirements
- **Section 6.8: Operating Reserve Demand Curves**
  - 6.8:
    - Update to include Zone J reserve requirements and associated reserve demand curves
    - Add clarifying language to address reserve demand curves applicable in real-time during SCR/EDRP activations
  - 6.8.1: Update to include Zone J reserve requirements and add a new example addressing real-time reserve demand curve impacts of a Zone J only activation of SCR/EDRP
    - Changes to charts in Section 6.8.1 are reflected by red text, as graphics do not support “red-lined” changes
  - 6.8.2: Update table to reflect reserve demand curve values for Zone J reserves

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# Proposed Revisions: Voltage Support and Automatic Fuel Swap

## ■ Section 3 – Voltage Support Service

- 3.2: Update description of supplier qualifications to include asynchronous generators
- 3.6.5.: Address reactive testing opportunities for voltage support service providers otherwise prevented by testing due to a transmission outage

## ■ Section 8 – Automatic Fuel Swap Capability Testing

- 8.4. and 8.5: Clarify procedures and documentation related to automatic fuel swap testing for certain generators located in NYC

# Additional Proposed Revisions

- **The following revisions unrelated to the proposed Zone J reserve requirements are also being proposed.**
  - Sections 2.2, 2.3, 3.4, 3.5, 3.7.2, 4.5, 4.6, 4.7, 4.8, 4.9, 6.6, 6.7, 6.10 and Attachment B
    - Corrections to provide for consistent use of references to the Market Administration and Control Area Services Tariff
  - Section 4.8
    - Update description of the Regulation Service Demand Curve to reflect the current \$525/MWh value assigned to the middle “step” of the curve
  - Section 6.1
    - Corrections to reflect current reserve procurement targets
    - Removal of language siting example types of reserve providers
  - Section 6.5.4
    - Non-substantive, clarifying revision to address pricing of reserve products
  - Update URLs to reflect NYISO’s website redesign

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# Day-Ahead Scheduling Manual

# Proposed Revisions: Zone J Operating Reserve Requirements

- NYISO is proposing the following changes to the Day-Ahead Scheduling Manual to reflect the Zone J reserve region:
  - Section 2.3.3: Add reference to Zone J reserve requirements
  - Section 4.3.4: Update table to reflect the reserve demand curve values for the Zone J reserve requirements

# Additional Proposed Changes

- The following additional updates unrelated to the Zone J reserve requirements are also being proposed:
  - Section 2.1, 2.3, 2.3.1, 4.1, 4.3.1, 4.4.3
    - Remove obsolete references to non-firm transactions
  - Section 2.3.2, 3.2.5, 4.2.7, 4.3.5.1, 4.4, 5.1, 8.2, 8.4
    - Update URLs to reflect NYISO's website redesign
  - Section 4.2.4
    - Remove provision describing Real-Time Market activities that are not applicable to the Day-Ahead Market
  - Section 4.3.5.1
    - Update to reflect the ability to assign non-zero constraint reliability margin values less than 20 MW

# Transmission and Dispatch Operations Manual

# Proposed Revisions

- **NYISO is proposing changes to the following sections of the Transmission and Dispatch Manual to reflect the Zone J reserve region:**
  - Section 7.3.6: Update table to reflect the reserve demand curve values for the Zone J reserve requirements
  - Section 7.3.8: Add reference to Zone J reserve requirements
- **Revisions unrelated to the Zone J reserve requirements include:**
  - Section 7.3.7.1: Update to reflect the ability to assign non-zero constraint reliability margin values less than 20 MW
  - Update URLs to reflect NYISO's website redesign



# Next Steps

- A clean and redlined version of each manual is posted with today's meeting materials and also on the NYISO website, under the “Manuals, Technical Bulletins, & Guides”
- NYISO's proposed stakeholder process is as follows:
  - June 20, 2019: Seek stakeholder approval at BIC
  - June 21, 2019: Seek stakeholder approval at OC

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# Feedback/Questions?

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# The Mission of the New York Independent System Operator, in collaboration with its stakeholders, is to serve the public interest and provide benefits to consumers by:

- Maintaining and enhancing regional reliability
- 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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