



# **Graduated Transmission Demand Curve**

## **Manual Updates**

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# Agenda

- **Manual Updates**
  - ***Transmission and Dispatching Operations Manual***
    - Updates unrelated to graduated transmission demand curve (GTDC)
    - Demand curve table update for GTDC
  - ***Day-Ahead Scheduling Manual***
    - Demand curve table update for GTDC
  - ***Ancillary Services Manual***
    - Demand curve table update for GTDC

# Transmission &

## Dispatching Operations Manual

- Change “Secured Transmission” to “Controlled Transmission” in several sections
- Background definitions (Section 2.2.1)
  - *Remove the reference to certain Transmission Facilities that are not part of the NYISO Controlled Transmission System*
- Added new Section 2.2.3
  - *Incorporate Technical Bulletin 165*
    - Describes Generator Operator communications with the NYISO
- Transmission Owner Responsibilities and Authorities (Section 2.2.5)
  - *Add requirement related to the establishment of System Operating Limits*



# Transmission & Dispatching Operations Manual

- **Default Generator Voltage Schedule (new Section 2.2.6.2)**
  - ***Incorporate Technical Bulletin 229***
    - Provides resources a default Generator voltage schedule and allowable bandwidth in the event they have not received a more specific schedule from the NYISO or the interconnecting TO
- **Normal State Criteria (Section 2.3.2)**
  - ***Minor clarifying changes to existing language***
- **Hotline Communications (Section 2.6.1)**
  - ***Replace existing language with reference to the Emergency Operations Manual for details regarding NYISO Hotline communications***

# Transmission & Dispatching Operations Manual

- **Security Assessment (Section 3.1.2)**
  - *Revise timing of periodic security assessments to every 60 seconds*
  - *Remove reference to “active RTD constraints”*
- **Response to Normal State Conditions (Section 3.1.6)**
  - *Corrected reference to “National Weather Bureau” to reflect “National Weather Service”*
- **Automatic Voltage Regulator/ Power System Stabilizer Outages (Section 3.1.9)**
  - *Remove this section due to redundancy, as it is covered in the Outage Scheduling Manual*
- **Attachment C (blank attachment)**
  - *Remove this currently unused attachment*
- **Attachment D (Generating Unit AVR/ PSS Status Log)**
  - *Remove this attachment due to redundancy, as it is covered in the Outage Scheduling Manual*



# Transmission & Dispatching Operations Manual

- **Real-Time Commitment Process (Section 5.1.1)**
  - ***Real-Time Commitment Process, Minimum Run Time***
    - Removed second paragraph due to redundancy, as the same limitations applicable to updating real-time bids submitted by Real-Time Minimum Run Qualified Gas Turbines are described in the language under the heading titled “*Real-Time Bids to Supply Energy and Ancillary Services*”
  - ***Real-Time Commitment Process, Bidding and Scheduling Rules***
    - Removed rule number 6 to clarify that the limitation on timing for updating previously submitted real-time bids applicable to Real-Time Minimum Run Qualified Gas Turbines does not apply to previously accepted DAM bids

# Transmission & Dispatching Operations Manual

- Demand curves (Section 6.3.6)
  - *Update the Transmission Shortage Cost to reflect GTDC values, as modified by Comprehensive Shortage Pricing*

NY Region	Type	Demand Curve (MW)	Demand Curve Price (\$)
NYCA	Regulation*	25.0	\$25.00
		80.0	\$400.00
		remainder	\$775.00
NYCA	Spinning Reserve	All	\$775.00
NYCA	10 Minute Reserve	All	\$750.00
NYCA	30 Minute Reserve	300.0	\$25.00
		655.0	\$100.00
		955.0	\$200.00
		remainder	\$750.00
Eastern NY (EAST)	Spinning Reserve	All	\$25.00
	10 Minute Reserve	All	\$775.00
	30 Minute Reserve	All	\$25.00
Southeastern New York (SENY)	Spinning Reserve	All	\$25.00
	10 Minute Reserve	All	\$25.00
	30 Minute Reserve	All	\$25.00
Long Island (LI)	Spinning Reserve	All	\$25.00
	10 Minute Reserve	All	\$25.00
	30 Minute Reserve	All	\$25.00
All	Transmission	5.0	\$350.00
		20.0	<del>\$1,175.00</del> \$2,350.00
		remainder	\$4,000.00

# Day-Ahead Scheduling Manual

- **Demand Curves (Section 4.3.4)**

- *Update the Transmission Shortage Cost to reflect GTDC values, as modified by Comprehensive Shortage Pricing*

New York Region	Type	Demand Curve Amount (MW)	Demand Curve Price (\$)
NY CA	Regulation	25.0	\$25.00
		80.0	\$400.00
		remainder	\$775.00
NY CA	Spinning Reserve	All	\$775.00
NY CA	10 Minute Reserve	All	\$750.00
NY CA	30 Minute Reserve	300.0	\$25.00
		655.0	\$100.00
		955.0	\$200.00
		remainder	\$750.00
Eastern New York (EAST)	Spinning Reserve	All	\$25.00
	10 Minute Reserve	All	\$775.00
	30 Minute Reserve	All	\$25.00
Southeastern New York (SENY)	Spinning Reserve	All	\$25.00
	10 Minute Reserve	All	\$25.00
	30 Minute Reserve	All	\$25.00
Long Island (LI)	Spinning Reserve	All	\$25.00
	10 Minute Reserve	All	\$25.00
	30 Minute Reserve	All	\$25.00
All	Transmission	5.0	\$350.00
		20.0	<del>\$1,175.00</del> \$2,350.00
		remainder	\$4,000.00



# Ancillary Services Manual

- **Demand Curves (Section 6.8.1)**
  - **Revise the Transmission Shortage Cost to reflect GTDC values, as modified by Comprehensive Shortage Pricing**

New York Region	Type	Demand Curve Amount (MW)	Demand Curve Price (\$)
NYCA	Regulation	25.0	\$25.00
		80.0	\$400.00
		remainder	\$775.00
NYCA	Spinning Reserve	All	\$775.00
NYCA	10 Minute Reserve	All	\$750.00
NYCA	30 Minute Reserve	300.0	\$25.00
		655.0	\$100.00
		955.0	\$200.00
		remainder	\$750.00
Eastern New York (EAST)	Spinning Reserve	All	\$25.00
	10 Minute Reserve	All	\$775.00
	30 Minute Reserve	All	\$25.00
Southeastern New York (SENY)	Spinning Reserve	All	\$25.00
	10 Minute Reserve	All	\$25.00
	30 Minute Reserve	All	\$25.00
Long Island (LI)	Spinning Reserve	All	\$25.00
	10 Minute Reserve	All	\$25.00
	30 Minute Reserve	All	\$25.00
All	Transmission	<del>All</del> 5.0 20.0 remainder	<del>\$350.00</del> \$2,350.00 \$4,000.00

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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 policy makers, stakeholders and investors in the power system*

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