

# Start-up Bids Treatment

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#### MIWG

January 17, 2017 Krey Corporate Center, Rensselaer, NY

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#### Agenda

- Background
  - Issues identified
    - Overview of Start-up Bids
- Proposal
- Next Steps
- Questions/Feedback

#### **Issues Identified**

- The NYISO has identified two issues regarding the treatment of Start-up Bids:
  - Generators scheduled for <u>Energy and/or</u> <u>Regulation</u> services in the DAM, have been able to inappropriately increase their Start-up Bids in RT. This occurs due to the order of precedence for single point and multi-point Start-up Bids.
  - Generators scheduled for <u>Reserve</u> services in the DAM, who should be allowed to increase Start-up Bids in RT, can not do so.

## Different Types of Start-up Bids

- Generators can submit <u>two</u> types of Start-up Bids:
  - Single point Start-up Bid, which specifies the cost to start the Generator as part of hourly offers.
  - Multi-point Start-up Bid, which specifies the cost to start the Generator based on how long the Generator has been offline and how long it takes to start.
- If both types are submitted, the single point Start-up Bid takes priority over the multi-point Start-up Bid. The Bids are exclusive.

# Different Types of Start-up Bids

Examples of Start-up Bids

Single point Bid	
Hourly offer	Start-up Bid [thousand USD]
HB 5	15
HB 6	18
HB 7	12
HB 8	20

Multi-point Bid	
Down time [Hr]	Start-up Bid [thousand USD]
< 4	10
4 - 8	15
8-12	20
> 12	25

#### **Energy and Regulation Bids Must Not Be Increased** Pursuant to NYISO's Market Administration and Control Area Services Tariff (MST), if a Generator is scheduled in the Day-Ahead Market ("DAM") to provide Energy and/or Regulation services, the Start-up Bids in Real-Time ("RT") must not exceed the Bids made in the DAM for any hour in which the Generator

was scheduled. [Section 4.4.1.2.1, MST]

#### **Reserve Bids Can Be Changed**

- In March 2011, the Attachment D of the NYISO's MST was removed.
- This change lifted the prohibition for Generators scheduled to provide reserves in the DAM to increase Start-up Bids in Real-Time.

### Proposal

- The NYISO proposes to permit any Generator scheduled in DAM to increase its Start-up Bids in the RT market. Therefore, the NYISO intends to:
  - Develop <u>tariff revisions</u> to permit Generators with DA <u>Energy and/or Regulation</u> schedules to increase Start-up Bids in RT. Implement software modifications based on tariff revisions.
  - Implement <u>software logic</u> to permit units to increase Startup Bids in RT when scheduled for <u>Reserves</u> in the DAM.
- This proposal is subject to the review of guarantee payments eligibility.

### **Next Steps**

- The NYISO intends to work with its stakeholders during Q1-2017 to develop tariff revisions to permit Generators with DA Energy schedules to increase Start-up Bids.
- The NYISO will implement software logic to permit units to increase Start-up Bids in the RT market when scheduled for Reserve services in the DAM.

#### **Questions/Feedback**

Please contact Daniel Noriega <u>dnoriega@nyiso.com</u> by January 31, 2017 The mission of the New York Independent System Operator, in collaboration with its stakeholders, is to serve the public interest and provide benefit 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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