

Securing 100+kV Transmission Facilities in the Market Model – TCC Auction Update

Gregory R. Williams

MANAGER, TCC MARKET OPERATIONS

Installed Capacity/Market Issues Working Group

August 7, 2018 Rensselaer, NY

Agenda

Agenda

- Background
- Autumn 2018 Centralized TCC Auction Update
- Securing 100+ kV Facilities in the Autumn 2018 Centralized TCC Auction
- Next Steps

Background

Background

- Stakeholders previously requested that the NYISO provide an update regarding Autumn 2018 Centralized TCC Auction modeling assumptions for 115 kV facilities that may become secured in the energy market during the upcoming 2018-2019 Winter Capability Period.
 - The purpose of this presentation is to discuss this update.

Autumn 2018 Centralized TCC Auction Update

Autumn 2018 Centralized TCC Auction Update

- The Autumn 2018 Centralized TCC Auction will consist of three rounds for one-year TCCs (25% of system capacity) and four rounds for six-month TCCs (45% of system capacity).
 - TCCs awarded have a start date of November 1, 2018
- The Bidding and Offering Period for Round 1 is expected to begin at 8:00 AM on August 24, 2018.
- The Bidding and Offering Period for the November 2018 Balance-of-Period Auction is expected to begin at 8:00 AM on October 12, 2018.
 - One-month TCCs for all months of the 2018-2019 Winter Capability Period are made available for sale

DRAFT – FOR DISCUSSION PURPOSES ONLY

Securing 100+kV Facilities in the Autumn 2018 Centralized TCC Auction

Securing 100+kV Facilities in the Autumn 2018 Centralized TCC Auction

- The NYISO began securing the Browns Falls – Taylorville (3/4) and the Taylorville – Boonville (5/6) facilities in the Spring 2018 Centralized TCC Auction.
 - The ratings for these facilities reflected a 20 MW Constraint Reliability Margin (CRM).
- The NYISO will begin securing in all rounds of the Autumn 2018 Centralized TCC Auction the four facilities with the notation “Targeting November 2018” in the 100+kV Facilities List posted with the materials of the July 24, 2018 ICAP/MIWG meeting*.
 - The ratings for these facilities will reflect a 20 MW CRM in all rounds of the Autumn 2018 Centralized TCC Auction.
- The NYISO will also begin securing in all rounds of the Autumn 2018 Centralized TCC Auction the eighteen facilities with the notation “Targeting December 2018” in the 100+kV Facilities List posted with the materials of the July 24, 2018 ICAP/MIWG meeting*.
 - The ratings for these facilities will reflect a 20 MW CRM in all rounds of the Autumn 2018 Centralized TCC Auction.

*100+kV Facilities List: http://www.nyiso.com/public/webdocs/markets_operations/committees/bic_icapwg/meeting_materials/2018-07-24/July%2024,%202018%20List%20of%20Facilities%20-%20100+kV%20FINAL.PDF



DRAFT – FOR DISCUSSION PURPOSES ONLY

Securing 100+kV Facilities in the November 2018 Balance-of-Period Auction

- The November 2018 Balance-of-Period Auction will allow TCC Market Participants to reconfigure their TCC holdings for the individual months (periods) of November 2018 through April 2019.
- Adjustments to facility ratings which may occur as a result of tariff updates which would permit the use of non-zero CRM values less than 20 MW may be reflected in the November 2018 Balance-of-Period Auction and/or subsequent TCC auctions, depending on the status of this initiative.
- Adjustments to the secured status of 100+kV Facilities may be reflected in the November 2018 Balance-of-Period Auction and/or subsequent TCC auctions based on information available at the time auctions are conducted.
- The NYISO will provide announcements via email to stakeholders describing any changes in modeling assumptions for 100+kV Facilities which differ from those used in the Autumn 2018 Centralized TCC Auction prior to the start of the November 2018 Balance-of-Period Auction or subsequent TCC auctions.

DRAFT – FOR DISCUSSION PURPOSES ONLY

Additional Auction Modeling Considerations

- The available Point of Injection (POI) and Point of Withdrawal (POW) for bidding and offering related to the Niagara Power Plant in the Autumn 2018 Centralized TCC Auction will continue to be PTID 23760 NIAGARA.
- TCC auction injections and withdrawals specified at PTID 23760 NIAGARA will continue to be distributed across the individual Niagara Main and Lewiston Pump Generating units in proportion to the nominal capacity values of the various units.
- The Niagara Power Plant is comprised of 25 individual generating units, divided into three distinct points of injection onto the bulk power system*:
 - Niagara 230 kV bus:
 - 12 Lewiston Pump Generating units (480 MW total) and 6 Main Generating units (1290 MW total)
 - Niagara 115 kV east bus:
 - 4 Main Generating units (860 MW total)
 - Niagara 115 kV west bus:
 - 3 Main Generating units (645 MW total)

* This information is taken from the presentation “Niagara Generation Modeling Update” from the July 24, 2018 ICAP/MIWG meeting, which can be found at the following link: http://www.nyiso.com/public/webdocs/markets_operations/committees/bic_icapwg/meeting_materials/2018-07-24/Enhancements%20to%20the%20Niagara%20Model%20vJuly24_2018vFINAL.pdf



DRAFT – FOR DISCUSSION PURPOSES ONLY

Next Steps

Next Steps

- **On or before August 22, 2018**
 - Provide an announcement via email confirming the 115 kV elements to be secured beginning with Round 1 in the Autumn 2018 Centralized TCC Auction.
- **August 24, 2018**
 - The Bidding and Offering Period for Round 1 of the Autumn 2018 Centralized TCC Auction is expected to begin at 8:00 AM.
- **By November 30, 2018**
 - Targeting to begin securing four facilities identified for November 2018 in the energy market models.
- **By December 31, 2018**
 - Targeting to begin securing eighteen facilities identified for December 2018 in the energy market models.
 - **Niagara modeling enhancements remain under development and could affect the ultimate timing to secure these facilities in the energy market models.**

DRAFT – FOR DISCUSSION PURPOSES ONLY

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



www.nyiso.com

DRAFT – FOR DISCUSSION PURPOSES ONLY

©COPYRIGHT NYISO 2018. ALL RIGHTS RESERVED