

# TCC Market – PAR Modeling

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*DRAFT – For Discussion Only*

# Background

- ◆ In the first quarter of 2010 the NYISO Operations Analysis & Services group and Potomac Economics Market Monitoring Unit identified different modeling assumptions between the TCC auctions and the Day-Ahead Market which led to consistent day-ahead congestion shortfalls.
- ◆ The differences exist in the modeling of the PAR controlled lines between NJ and NY (i.e., Waldwick, Ramapo, Farragut and Goethals).
- ◆ Reviewed during the August 10, 2010 Market Issues Working Group Meeting - Agenda item 3 “State of the Market Quarterly Report”.

# Background

- ◆ The expected flows over the PJM-NYISO ABC, JK, and 5018 interconnections are established in the Day-Ahead and Real-Time Markets in accordance with Technical Bulletin 152 “PJM Proxy Bus Pricing and Scheduling”.
- ◆ The expected flows over these facilities in the TCC Auctions are currently modeled in accordance with Section 3.9.1 of the TCC Manual.
  - *The Farragut, Goethals (ABC) and Waldwick (JK) PARs are modeled in the OPF analysis with fixed schedules consistent with recent historical DAM schedules.*
  - *The Ramapo (5018 interconnection) PARs are modeled in the OPF analysis with fixed schedules consistent with recent historical DAM schedules.*

# Revised TCC Auction PAR Modeling

- ◆ Technical Bulletin 152 “PJM Proxy Bus Pricing and Scheduling” is being revised to add a section pertaining to the TCC Market. The modeling of the expected flows on the PJM-NYISO ABC, JK and 5018 interconnections will be consistent with the modeling used in the Day-Ahead Market.
  - *Consolidated Edison Company of New York’s Day-Ahead Market hourly election for the “600/400MW Contracts” will be assumed to equal 1000 MW assuming all ABC and JK transmission equipment is represented in-service for these Auctions. Should any of this equipment be represented as out-of-service the election shall be reduced to less than 1000MW, to a value consistent with elections observed in the Day-Ahead Market when such outages are modeled*
  - *13% of the net TCC auction injection at the PJM Proxy Bus TCC bidding PTID will be scheduled on the ABC interconnection.*
  - *-13% of the net TCC auction injection at the PJM Proxy Bus TCC bidding PTID will be scheduled on the JK interconnection.*
  - *40% of the net TCC auction injection at the PJM Proxy Bus TCC bidding PTID will be scheduled on the Branchburg-Ramapo interconnection.*
  - *In the TCC Market the remaining flow will be distributed over the free flowing lines that are also part of the NYISO/PJM Interface.*

# Implementation

- ◆ The revised PAR modeling for the PJM-NYISO ABC, JK, and 5018 interconnections will be implemented for the Spring 2011 Centralized TCC Auction and the subsequent Summer 2011 Reconfiguration Auctions.
  - *May 2011 through October 2011.*
- ◆ The current PAR modeling assumptions for the PJM-NYISO ABC, JK, and 5018 interconnections will be utilized for the remaining Winter 2010/2011 Reconfiguration Auctions to maintain consistency with the Autumn 2010 Centralized TCC Auction.
  - *February 2011*
  - *March 2011*
  - *April 2011*

# Questions?



The New York Independent System Operator (NYISO) is a not-for-profit corporation that began operations in 1999. The NYISO operates New York's bulk electricity grid, administers the state's wholesale electricity markets, and provides comprehensive reliability planning for the state's bulk electricity system.

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