

Public Policy Transmission Need: Western NY

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Background

- ◆ FERC approved the NYISO's Public Policy Transmission Planning Process (PPTPP) in July 2014, with an effective date of January 1, 2014
- ◆ On August 1, 2014, NYISO issued a letter inviting stakeholders and interested parties to submit proposed transmission needs driven by Public Policy Requirements.
- ◆ NYISO received proposed transmission needs from eight entities.
- ◆ NYISO submitted the proposed needs to the PSC on October 3, 2014.

PSC Determination of a Need

- ◆ On November 12, 2014, the PSC published a SAPA notice with a comment period through December 29, 2014.
- ◆ On April 3, 2015, the PSC sought supplemental comments regarding transmission capability in Western NY.
- ◆ On July 20, 2015, the PSC issued an order addressing Public Policy Requirements for transmission planning purposes, including identification of a Public Policy Transmission Need (PPTN) for Western NY.

Western NY PPTN

- ◆ NYISO should consider projects that increase Western NY transmission capability sufficient to:
 - *Obtain the full output from Niagara (2,700 MW including Lewiston Pumped Storage);*
 - *Maintain certain levels of simultaneous imports from Ontario across the Niagara tie lines (i.e., maximize Ontario imports under normal operating conditions and at least 1,000 MW under emergency operating conditions);*
 - *Maximize transfers out of Zone A to the rest of the state;*
 - *Prevent transmission security violations (thermal, voltage or stability) that would result under normal and emergency operating conditions; and*
 - *Maintain reliability of the transmission system with fossil-fueled generation in Western NY out-of-service, as well as in-service.*

Sufficiency Base Case

- ◆ 2014 Comprehensive Reliability Plan base case representation for 2024
- ◆ Niagara & Lewiston output of 2,700 MW
- ◆ 1,000 MW Ontario Import to Zone A
- ◆ Without and with major fossil-fueled generation in Zone A
 - *Dunkirk*
 - *Huntley*
 - *Lockport*
 - *Somerset*

Viability & Sufficiency Assessment

- ◆ Ontario Import and Dysinger East transfer limits (N-1)
 - *Project must achieve 2,700 MW output from Niagara plus:*
 - at least 1,000 MW Ontario Import under NYSRC Emergency Transfer Criteria
 - an increase to the Ontario Import limit under NYSRC Normal Transfer Criteria
- ◆ Transmission Security (N-1-1)
 - *Project must maintain transmission security with 2,700 MW output from Niagara plus:*
 - Ontario Import of 1,000 MW under Emergency Transfer Criteria

Next Steps

- ◆ NYISO presents baseline results to assist solution development
- ◆ NYISO solicits Public Policy Transmission Projects and Other Public Policy Projects
 - *Solicitation window: 60 days*
 - *Developer qualification information: submit no later than 30 days after the solicitation for solutions*
- ◆ NYISO conducts Viability & Sufficiency Assessment of all proposed projects

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